



EMPLOYMENT AND EARNINGS

January 1983

U.S. Department of Labor
Bureau of Labor Statistics

In this issue:
1982 annual averages
Revised seasonally adjusted labor force series





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

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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Calendar of Features

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

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Revised historical national data adjusted to new benchmarks	Supplement ²
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State and area annual averages	May
Area definitions	May

State and area unemployment data

Annual averages	June
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¹ The issue that introduces new benchmark varies. The June 1982 issue introduced March 1981 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in June 1982.

³ Issue varies. Latest revised data introduced June 1982.

Employment and Earnings

Vol. 30 No. 1 January 1983

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

Editors' Note

It is the annual practice of the Bureau of Labor Statistics to recalculate the seasonal adjustment factors for unemployment and other labor force series derived from the Current Population Survey (household survey) to incorporate the experience in the most recent year. As a result of the recalculation of seasonal factors, seasonally adjusted data for the past 5 years are subject to revision. The data in the A-1, 2, 33-42, and 44-53 tables have been revised to reflect the updated seasonal adjustment factors. Revised monthly data covering the entire 1978-82 revision period for a broader range of labor force series will appear in next month's issue.

The seasonal adjustment methodology is described in the article beginning on page 9 in this issue. The article also gives the new seasonal adjustment factors to be used to calculate the overall unemployment rate for January-June 1983.

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Employment and Unemployment Developments, December 1982

The overall employment situation changed little from November to December. The Nation's jobless rate was 10.8 percent in December; the rate in November was 10.7 percent, as revised.

Total employment—as measured by the monthly survey of households—was 99.1 million, about the same as in October and November. Nonfarm payroll employment—as measured by the monthly survey of establishments—fell by 165,000 to 88.5 million. While there was a decline in manufacturing employment, it was the smallest in more than a year.

Unemployment

Both the number of unemployed persons, at 12.0 million, and the unemployment rate, at 10.8 percent in December, were about unchanged from November, after seasonal adjustment. Similarly, jobless rates for the major demographic groups—adult men (10.1 percent), adult women (9.2 percent), teenagers (24.5 percent), white workers (9.7 percent), black workers (20.8 percent), and Hispanics (15.3 percent)—were little changed over the month. Joblessness among the major occupational and industry groups also remained near November levels. However, since the July 1981 pre-recession low, the unemployment rates for all of these groups have risen substantially. (See tables A-33 and A-36.)

The number of unemployed persons seeking work for 27 weeks or longer continued to increase and in December accounted for more than one-fifth of the jobless total. The mean duration of unemployment rose to a post-World War II high of 18.0 weeks over the month, while the median duration of unemployment, at 10.1 weeks, was about unchanged. (See table A-37.)

Total employment and the labor force

Total employment was unchanged in December at 99.1 million, seasonally adjusted. Since the beginning of the recession, employment has dropped by 1.7 million, with adult men and teenagers accounting for the decline. The proportion of the population employed, at 56.5 percent in December, has declined by 1.9 percentage points over the same period.

The civilian labor force totaled 111.1 million in December, seasonally adjusted. Since December 1981, the labor force has increased by 1.9 million, with adult

women accounting for the largest share of the increase—1.3 million. Over the same period, the labor force of adult men increased by 880,000, while that of teenagers dropped by 260,000. (See table A-33.)

Discouraged workers

The number of discouraged workers (persons who report that they want to work but are not looking for jobs because they believe they could not find any) rose for the sixth consecutive quarter, reaching 1.8 million in the fourth quarter of 1982. Increases occurred among both women and men. Three-fourths of all discouraged workers were not looking for work because of job-market factors. (See table A-53.)

Industry payroll employment

Nonagricultural payroll employment declined by 165,000 in December to 88.5 million, seasonally adjusted. Since the recession began, decreases in manufacturing have dominated the overall employment reduction. In December, however, comparatively little of the drop took place in this industry (50,000). Within durable goods, job losses in primary metals, nonelectrical machinery, and electrical and electronic equipment were offset to a large extent by an increase in the transportation equipment industry. With the exception of declines in the food and apparel industries, there were few changes in nondurables. Employment in mining and construction continued to drop.

In the service-producing sector, an increase in retail sales employment during the December holiday buying period was less than expected for this time of the year; thus, after seasonal adjustment, the number of jobs in retail trade was down by about 65,000. Employment losses continued in wholesale trade. Elsewhere in the sector, there was a small over-the-month increase in the number of jobs in finance, insurance, and real estate, while employment held about steady in transportation and public utilities, services, and government. (See table B-4.)

Hours of work

Little change was registered in the average workweek of production or nonsupervisory workers on private nonfarm payrolls. At 34.6 hours in December, the average workweek was 0.1 hour shorter than in the

previous month. Since July 1981, the workweek has declined by 0.7 hour. Both the factory workweek and overtime hours were unchanged in December at 38.9 and 2.3 hours, respectively. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls was down 0.7 percent in December to 101.8 (1977 = 100). The manufacturing index, at 83.0 in December, fell 0.4 percent over the month and was 16.8 percent lower than in July 1981. (See table C-7.)

Hourly and weekly earnings

Average hourly earnings increased by 0.6 percent in December, and average weekly earnings were up 0.4 percent, seasonally adjusted. Before adjustment for seasonality, average hourly earnings of \$7.82 were up 2 cents over the month and 37 cents over the year.

Average weekly earnings, at \$272.14, rose \$1.48 over the month and \$9.90 from a year earlier. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 151.9 (1977 = 100) in December, seasonally adjusted, 0.6 percent higher than in November. For the 12 months ended in December, the increase (before seasonal adjustment) was 5.9 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.0 percent during the 12-month period ended in November. (See table C-8.)

Changes in household data series

In the February 1983 issue of *Employment and Earnings*, the Bureau will publish, in addition to the traditional *civilian* series, new labor force series that include persons in the Armed Forces stationed in the United States. In addition, all occupational data will be coded according to the classification system developed for the 1980 census, which evolved from the 1980 Standard Occupational Classification system. All data now presented for "black and other" will be converted to "black" only. Improvements will also be made in the estimation procedures, using newly available data from the 1980 census. An article describing the nature and impact of these changes will also appear in the February issue of this publication.

Revision of Seasonally Adjusted Labor Force Series

*Robert J. McIntire

As pointed out in the explanatory note on seasonal adjustment published at the end of each issue of *Employment and Earnings*, the purpose of seasonal adjustment is to eliminate from economic time series the influence of seasonal events such as weather, holidays, opening and closing of schools, etc., to make it easier to observe and analyze the cyclical and other nonseasonal movements in the series. That note also warns the reader that "seasonal adjustment is merely an approximation based on past experience." This statement is always most particularly applicable to the current seasonally adjusted estimates which appear monthly in this publication and in the news releases on the employment situation.

Seasonal factors used for the current adjustment of any economic time series are based on estimates of the average seasonal pattern displayed by that series during the past, with most emphasis on the recent past. Although a more refined estimate of seasonality for any point in time can be produced retrospectively (from estimates of the average seasonal pattern displayed by a series during the years preceding, containing, and following the point of interest), the latter part of the required period is not available at the time of current adjustment and initial estimates must be made from past experience. As time goes by, it is possible to improve on the initial estimates of seasonality by incorporating more recent data into the estimation process.

Thus, at the end of each calendar year the Bureau of Labor Statistics reestimates the seasonality of the employment, unemployment, and other labor force series derived from the Current Population Survey, based on the inclusion of another full year of data. Early in the next year, the Bureau issues the new seasonal factors and the revised seasonally adjusted data, usually for the 5 most recent years. Thus, each year's data are generally subject to five revision cycles before the values are con-

sidered final. The latest revisions reflect the inclusion of data through December 1982 and provide improved estimates for January 1978 through December 1982. Seasonally adjusted data for 1977 and earlier years were not revised.

Revised data for many of the major seasonally adjusted labor force series were published in the news release on the December 1982 employment situation, issued January 7 (USDL 83-5). Data for recent months and quarters for many more of the revised series appear in this issue of *Employment and Earnings*.

Table 1 provides the new seasonal factors to be applied to the unadjusted data for the 12 components of the civilian labor force for the first 6 months of 1983.

Table 1. Current seasonal adjustment factors for the 12 major labor force components, January-June 1983

Procedure and series	Jan.	Feb.	Mar.	Apr.	May	June
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Males, 20 years and over	0.908	0.907	0.915	0.966	1.029	1.061
Females, 20 years and over	.784	.770	.841	.919	1.084	1.200
Males, 16-19 years	.626	.596	.713	.868	1.078	1.484
Females, 16-19 years	.646	.481	.595	.747	1.052	1.489
Nonagricultural employment:						
Males, 20 years and over	.986	.986	.992	.996	1.001	1.008
Females, 20 years and over	.998	1.002	1.006	1.004	1.001	.987
Unemployment:						
Males, 20 years and over	1.158	1.144	1.118	1.016	.970	.981
Females, 20 years and over	1.053	1.019	.983	.945	.958	.999
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Males, 16-19 years	-313	-361	-274	-192	-95	411
Females, 16-19 years	-258	-289	-268	-199	-154	276
Unemployment:						
Males, 16-19 years	35	42	-17	-86	-90	247
Females, 16-19 years	-58	-52	-77	-93	-11	281

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

These 12 component series will be used along with data on the resident Armed Forces¹ to calculate the seasonally adjusted overall unemployment rate. The factors for the last 6 months of 1983 will be estimated in early July, based on data through June 1983, and will be published in the July issue of this publication.

Adjustment methods and procedures

The methodology used in the current end-of-year adjustment process was the same as has been used for the last 3 years. Discussions of this methodology and additional references are contained in the "Revisions of Seasonally Adjusted Labor Force Series" articles in the February 1982, January 1981, and January 1980 issues of *Employment and Earnings*. The only variation in this year's process from last year's was the selection of different ARIMA models (used by the X-11 ARIMA program to extend the series prior to seasonal adjustment) for 2 of the 12 major component series of the civilian labor force—unemployed women age 16-19 and those 20 years and over. New models which better fit and forecast the series were identified and used. The ARIMA models used this year for all 12 of the major component series are displayed in table 2.

Availability of revised series

Next month's issue will contain the 1978-82 revisions of the monthly seasonally adjusted data for a few hun-

¹ The resident Armed Forces data are not considered to have a seasonal component and so are not adjusted for seasonality. They are being included among the employed and labor force totals for the first time with the publication of data for January 1983.

Table 2. ARIMA models for the 12 major labor force components, 1983

Series	Model	Transformation
Agricultural employment:		
Males, 20 years and over	(0,1,4) (0,1,1)	NONE
Females, 20 years and over	(0,1,2) (0,1,1)	LOG
Males, 16-19 years	(0,1,2) (0,1,1)	NONE
Females, 16-19 years	(2,0,1) (0,1,1)	NONE
Nonagricultural employment:		
Males, 20 years and over	(0,1,1) (0,1,1)	LOG
Females, 20 years and over	(0,1,1) (0,1,1)	LOG
Males, 16-19 years	(0,1,1) (0,1,1)	NONE
Females, 16-19 years	(0,1,1) (0,1,1)	NONE
Unemployment:		
Males, 20 years and over	(2,1,2) (0,1,1)	NONE
Females, 20 years and over	(2,1,2) (0,1,1)	LOG
Males, 16-19 years	(0,1,1) (0,1,1)	NONE
Females, 16-19 years	(0,1,4) (0,1,1)	NONE

dred of the labor force series most in demand. These revisions replace the data published in the February 1982 issue for 1978-81 and the seasonally adjusted estimates for 1982 published during the past year.

Data for any of the several hundred seasonally adjusted labor force series and the January-June 1983 factors for any of the other independently adjusted series (there are approximately 200 in addition to the 12 major components) may be obtained from BLS upon request. Requests for data or inquiries concerning seasonal adjustment methodology or the availability of machine-readable files of labor force data should be addressed to the Division of Data Development and Users Services, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics, Washington, D.C. 20212.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.3	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 ¹	110,601	66,550	60.2	63,015	61,179	6,260	54,919	1,834	2.3	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	6.3	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,950
1960 ¹	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	3.3	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	3.5	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 ¹	146,574	89,484	61.1	87,034	82,153	3,484	78,669	4,882	5.5	57,091
1973 ¹	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978 ¹	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1978.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.3	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,450
1982.....	174,451	112,384	64.4	110,204	99,526	3,401	96,125	10,678	9.7	62,067
Monthly data, seasonally adjusted ²										
1981:										
December.....	173,330	111,230	64.2	109,066	99,677	3,219	96,458	9,389	8.5	62,100
1982:										
January.....	173,495	111,193	64.1	109,034	99,688	3,379	96,309	9,346	8.6	62,301
February.....	173,657	111,532	64.2	109,364	99,695	3,367	96,328	9,669	8.8	62,125
March.....	173,843	111,653	64.2	109,478	99,597	3,367	96,230	9,881	9.3	62,189
April.....	174,020	111,916	64.3	109,740	99,484	3,356	96,128	10,256	9.3	62,104
May.....	174,201	112,553	64.6	110,378	99,994	3,446	96,548	10,384	9.4	61,648
June.....	174,364	112,320	64.4	110,147	99,681	3,371	96,310	10,466	9.5	62,043
July.....	174,544	112,596	64.5	110,416	99,588	3,445	96,143	10,828	9.3	61,948
August.....	174,707	112,810	64.6	110,614	99,683	3,429	96,254	10,931	9.9	61,897
September.....	174,889	113,056	64.6	110,858	99,543	3,363	96,180	11,315	10.2	61,832
October.....	175,069	112,940	64.5	110,752	99,176	3,413	95,763	11,576	10.5	62,126
November.....	175,238	113,222	64.6	111,042	99,136	3,466	95,670	11,906	10.7	62,016
December.....	175,380	113,311	64.6	111,129	99,093	3,411	95,682	12,036	10.8	62,070

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

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

NOTE: Seasonally adjusted data in this table have been revised. See article in this issue for additional information.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Sex, year, and month	Total nonin- stitutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
MALES										
Annual averages										
1972 ¹	70,241	55,961	79.7	53,555	50,896	2,849	48,047	2,659	5.0	14,280
1973 ¹	71,567	56,900	79.5	54,624	52,349	2,847	49,502	2,275	4.2	14,667
1974	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.3	15,059
1975	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978 ¹	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,956
1979	79,968	62,676	78.4	60,726	57,607	2,686	54,921	3,120	5.1	17,293
1980	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
1982	83,514	64,440	77.2	62,450	56,271	2,736	53,534	6,179	9.3	19,072
Monthly data, seasonally adjusted²										
1981:										
December ..	82,978	64,122	77.3	62,142	56,746	2,612	54,134	5,396	8.7	13,857
1982:										
January ..	83,054	64,023	77.1	62,048	56,667	2,693	53,974	5,381	8.7	19,031
February ..	83,129	64,139	77.2	62,156	56,670	2,695	53,975	5,486	8.8	18,990
March	83,218	64,148	77.1	62,161	56,499	2,692	53,807	5,662	9.1	19,070
April	83,303	64,287	77.2	62,300	56,444	2,705	53,739	5,856	9.4	19,015
May	83,389	64,631	77.5	62,645	56,724	2,773	53,951	5,921	9.5	18,757
June	83,464	64,308	77.0	62,325	56,249	2,729	53,520	6,076	9.7	13,155
July	83,550	64,351	77.0	62,361	56,127	2,781	53,346	6,234	10.0	19,199
August ...	83,627	64,508	77.1	62,504	56,159	2,771	53,388	6,345	10.2	19,118
September	83,712	64,783	77.4	62,775	56,072	2,707	53,365	6,703	10.7	19,930
October ..	83,798	64,774	77.3	62,776	55,932	2,764	53,168	6,844	10.9	13,023
November ..	83,877	64,889	77.4	62,898	55,892	2,793	53,099	7,006	11.1	18,988
December ..	84,044	64,847	77.2	62,855	55,809	2,710	53,099	7,046	11.2	19,197
FEMALES										
Annual averages										
1972 ¹	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,955	34,855	44.8	34,804	32,715	622	32,093	2,089	6.3	43,000
1974	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922
1982	90,937	47,944	52.7	47,755	43,256	665	42,591	4,499	9.4	42,913
Monthly data, seasonally adjusted²										
1981:										
December ..	90,352	47,109	52.1	46,924	42,931	607	42,324	3,993	9.5	42,243
1982:										
January ..	90,441	47,170	52.2	46,986	43,021	686	42,335	3,965	8.4	43,270
February ..	90,528	47,393	52.4	47,208	43,025	672	42,353	4,183	8.3	43,135
March	90,625	47,505	52.4	47,317	43,098	675	42,423	4,219	8.9	43,120
April	90,718	47,628	52.5	47,440	43,040	651	42,389	4,400	9.3	43,089
May	90,813	47,921	52.8	47,733	43,270	673	42,597	4,463	9.3	42,891
June	90,900	48,012	52.8	47,822	43,432	642	42,790	4,390	9.2	42,888
July	90,995	48,246	53.0	48,055	43,541	664	42,797	4,594	9.5	42,749
August ...	91,081	48,302	53.0	48,110	43,524	658	42,866	4,586	9.5	42,779
September	91,176	48,274	52.9	48,083	43,471	656	42,815	4,612	9.6	42,902
October ..	91,272	48,166	52.8	47,976	43,244	649	42,595	4,732	9.9	43,106
November ..	91,361	48,333	52.9	48,144	43,244	673	42,571	4,900	10.2	43,028
December ..	91,336	48,463	53.1	48,274	43,284	701	42,583	4,990	10.3	42,873

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

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

NOTE: Seasonally adjusted data in this table have been revised. See article in this issue for additional information.

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

[Numbers in thousands]

Sex, age, and race	December 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	64,281	76.5	62,288	55,280	7,009	11.3	19,764	392	5,089	1,480	12,795
16 to 21 years	7,768	62.7	7,161	5,432	1,729	24.1	4,621	22	4,106	24	470
16 to 19 years	4,335	53.9	4,102	2,990	1,113	27.1	3,714	15	3,388	12	298
16 to 17 years	1,570	40.8	1,559	1,078	481	30.9	2,276	11	2,182	1	83
18 to 19 years	2,765	65.8	2,543	1,912	631	24.8	1,438	5	1,206	11	216
20 to 64 years	58,128	88.7	56,369	50,552	5,817	10.3	7,393	182	1,694	1,086	4,430
20 to 24 years	9,266	84.8	8,488	6,989	1,499	17.7	1,655	17	1,194	42	401
25 to 54 years	41,707	94.0	40,727	36,863	3,864	9.5	2,647	102	489	568	1,488
25 to 29 years	9,741	94.2	9,347	8,058	1,289	13.8	597	21	271	41	264
30 to 34 years	8,821	95.2	8,557	7,771	786	9.2	445	15	114	76	240
35 to 39 years	7,483	95.9	7,287	6,627	660	9.1	317	15	49	84	169
40 to 44 years	5,870	94.5	5,782	5,305	477	8.2	341	16	25	112	189
45 to 49 years	4,945	92.2	4,915	4,569	346	7.0	417	16	26	122	252
50 to 54 years	4,847	90.2	4,839	4,534	305	6.3	529	19	4	134	373
55 to 64 years	7,155	69.8	7,154	6,699	454	6.4	3,091	63	11	475	2,542
55 to 59 years	4,313	80.2	4,312	4,008	304	7.1	1,061	27	8	243	794
60 to 64 years	2,842	58.3	2,842	2,691	150	5.3	2,030	36	3	233	1,758
65 years and over	1,817	17.4	1,817	1,738	79	4.4	8,657	194	7	390	8,066
65 to 69 years	1,053	26.7	1,053	1,000	53	5.1	2,886	45	4	109	2,728
70 years and over	764	11.7	764	738	26	3.4	5,771	149	3	281	5,338
White											
16 years and over	56,358	77.1	54,827	49,327	5,500	10.0	16,696	308	3,962	1,199	11,227
16 to 21 years	6,684	65.0	6,215	4,899	1,317	21.2	3,597	11	3,224	18	343
16 to 19 years	3,798	57.0	3,613	2,736	877	24.3	2,861	5	2,627	3	220
16 to 17 years	1,437	45.2	1,428	1,013	415	29.1	1,745	2	1,677	1	64
18 to 19 years	2,361	67.9	2,186	1,724	462	21.1	1,116	3	950	7	156
20 to 64 years	50,912	89.4	49,566	45,009	4,557	9.2	6,005	149	1,328	863	3,659
20 to 24 years	7,879	85.8	7,301	6,182	1,120	15.3	1,304	15	972	31	285
25 to 54 years	36,526	94.8	35,759	32,700	3,060	8.6	2,005	80	352	445	1,129
25 to 34 years	16,038	95.5	15,540	13,928	1,612	10.4	749	29	286	82	351
35 to 44 years	11,769	95.9	11,532	10,629	903	7.8	505	22	49	154	280
45 to 54 years	8,719	92.1	8,687	8,143	545	6.3	752	30	17	208	498
55 to 64 years	6,507	70.7	6,506	6,128	377	5.8	2,696	54	4	393	2,245
55 to 59 years	3,907	81.3	3,906	3,656	249	6.4	900	23	4	202	671
60 to 64 years	2,600	59.2	2,600	2,472	128	4.9	1,795	31	--	193	1,574
65 years and over	1,648	17.4	1,648	1,581	67	4.1	7,830	153	7	323	7,348
Black and other											
16 years and over	7,922	72.1	7,461	5,953	1,508	20.2	3,068	84	1,127	289	1,568
16 to 21 years	1,084	51.4	945	533	412	43.6	1,025	10	883	5	127
16 to 19 years	537	38.6	489	253	236	48.2	853	10	761	4	78
16 to 17 years	133	20.1	132	65	67	50.6	531	9	505	--	18
18 to 19 years	404	55.7	358	188	169	47.4	322	2	256	4	60
20 to 64 years	7,215	83.9	6,802	5,541	1,261	18.5	1,388	32	366	217	772
20 to 24 years	1,387	79.8	1,187	807	379	32.0	350	2	222	11	116
25 to 54 years	5,181	89.0	4,967	4,163	803	16.2	642	21	137	124	359
25 to 34 years	2,525	89.6	2,364	1,901	463	19.6	293	7	98	34	154
35 to 44 years	1,584	91.1	1,536	1,302	234	15.2	154	8	26	42	78
45 to 54 years	1,072	84.6	1,067	960	107	10.0	194	6	13	43	127
55 to 64 years	648	62.1	648	571	77	11.9	396	9	7	83	296
55 to 59 years	406	71.6	406	352	55	13.5	161	5	4	40	113
60 to 64 years	242	50.8	242	219	22	9.3	234	5	3	42	184
65 years and over	170	17.0	170	158	12	7.2	827	42	--	63	718

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	December 1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	48,378	53.0	48,189	43,570	4,619	9.6	42,958	31,588	4,784	1,065	5,521
16 to 21 years	6,675	55.4	6,611	5,442	1,169	17.7	5,363	1,124	3,874	13	351
16 to 19 years	3,841	49.3	3,818	3,048	770	20.2	3,946	519	3,199	9	219
16 to 17 years	1,451	39.0	1,450	1,125	325	22.4	2,270	111	2,103	1	55
18 to 19 years	2,390	58.8	2,368	1,923	445	18.8	1,676	408	1,096	8	164
20 to 64 years	43,360	63.4	43,194	39,382	3,812	8.8	25,045	20,820	1,572	499	2,152
20 to 24 years	7,555	70.0	7,463	6,491	972	13.0	3,232	1,915	991	16	310
25 to 54 years	30,871	67.3	30,796	28,234	2,563	8.3	15,028	13,237	562	246	992
25 to 29 years	7,358	70.6	7,309	6,589	720	9.9	3,063	2,605	245	21	191
30 to 34 years	6,421	67.9	6,403	5,820	583	9.1	3,042	2,713	104	30	196
35 to 39 years	5,575	69.3	5,570	5,090	480	8.6	2,465	2,198	102	40	125
40 to 44 years	4,464	68.9	4,462	4,125	338	7.6	2,015	1,805	65	27	118
45 to 49 years	3,668	64.6	3,667	3,411	256	7.0	2,014	1,802	27	40	146
50 to 54 years	3,385	58.2	3,385	3,199	187	5.5	2,428	2,113	19	89	206
55 to 64 years	4,935	42.1	4,935	4,658	277	5.6	6,785	5,669	19	236	850
55 to 59 years	2,979	49.3	2,979	2,806	173	5.8	3,066	2,619	15	127	306
60 to 64 years	1,956	34.5	1,956	1,852	104	5.3	3,718	3,049	4	109	555
65 years and over	1,177	7.8	1,177	1,140	37	3.1	13,967	10,249	12	557	3,150
65 to 69 years	727	14.8	727	702	25	3.4	4,179	3,313	6	93	768
70 years and over	449	4.4	449	438	12	2.6	9,788	6,936	6	464	2,382
White											
16 years and over	41,501	52.8	41,367	37,845	3,521	8.5	37,166	27,992	3,700	814	4,660
16 to 21 years	5,822	58.4	5,777	4,901	876	15.2	4,149	868	3,032	13	235
16 to 19 years	3,379	52.5	3,363	2,768	595	17.7	3,060	406	2,494	9	151
16 to 17 years	1,301	42.5	1,300	1,029	272	20.9	1,763	90	1,626	1	45
18 to 19 years	2,079	61.6	2,063	1,739	324	15.7	1,297	315	868	8	176
20 to 64 years	37,070	63.3	36,953	34,057	2,896	7.8	21,458	18,170	1,197	382	1,711
20 to 24 years	6,483	72.1	6,419	5,710	709	11.1	2,514	1,535	764	12	203
25 to 54 years	26,239	67.1	26,185	24,235	1,948	7.4	12,893	11,506	417	191	778
25 to 29 years	11,558	69.2	11,510	10,559	951	8.3	5,150	4,580	241	40	299
30 to 34 years	8,570	68.9	8,565	7,925	640	7.5	3,877	3,497	134	51	196
35 to 39 years	6,110	61.2	6,109	5,751	358	5.9	3,866	3,429	42	102	293
40 to 44 years											
45 to 54 years											
55 to 64 years	4,349	41.8	4,349	4,111	238	5.5	6,051	5,129	15	177	730
55 to 59 years	2,619	49.1	2,619	2,472	148	5.6	2,719	2,361	13	90	255
60 to 64 years	1,730	34.2	1,730	1,640	90	5.2	3,333	2,768	2	87	475
65 years and over	1,051	7.7	1,051	1,021	30	2.9	12,648	9,416	9	424	2,798
Black and other											
16 years and over	6,878	54.3	6,822	5,724	1,098	16.1	5,792	3,596	1,084	251	861
16 to 21 years	852	41.3	833	540	293	35.1	1,213	256	842	--	116
16 to 19 years	462	34.3	455	280	175	38.5	886	113	705	--	67
16 to 17 years	150	22.8	150	96	54	35.8	507	21	477	--	9
18 to 19 years	312	45.1	305	184	121	39.8	379	93	228	--	58
20 to 64 years	6,290	63.7	6,241	5,326	917	14.7	3,586	2,651	376	117	443
20 to 24 years	1,072	59.9	1,044	781	263	25.2	718	380	227	4	107
25 to 54 years	4,634	68.5	4,613	3,999	614	13.3	2,135	1,731	145	55	204
25 to 29 years	2,221	69.9	2,202	1,850	352	16.0	956	738	108	11	98
30 to 34 years	1,469	70.9	1,468	1,290	177	12.1	603	506	33	15	47
35 to 54 years	943	62.1	943	858	85	9.0	577	487	4	27	59
55 to 64 years	585	44.4	585	547	39	6.6	733	539	4	59	130
55 to 59 years	359	50.8	359	334	25	7.0	348	258	2	37	51
60 to 64 years	226	37.0	226	212	14	6.1	385	281	2	22	79
65 years and over	126	8.7	126	119	6	5.1	1,319	832	3	133	351

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. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
MALES								
16 years and over	63,597	64,281	76.6	76.5	61,617	62,288	76.1	75.9
16 to 19 years	4,598	4,335	55.6	53.9	4,312	4,102	54.0	52.5
16 to 17 years	1,705	1,570	42.3	40.8	1,685	1,559	42.0	40.7
18 to 19 years	2,893	2,765	68.3	65.8	2,628	2,543	66.2	63.9
20 to 24 years	9,255	9,266	85.0	84.8	8,509	8,488	83.8	83.7
25 to 54 years	40,782	41,707	94.0	94.0	39,835	40,727	93.9	93.9
25 to 34 years	18,215	18,562	94.6	94.7	17,576	17,904	94.4	94.5
35 to 44 years	12,721	13,353	95.6	95.3	12,450	13,068	95.5	95.2
45 to 54 years	9,846	9,791	91.2	91.2	9,809	9,754	91.1	91.2
55 to 64 years	7,094	7,155	69.7	69.8	7,093	7,154	69.6	69.8
55 to 59 years	4,366	4,313	80.7	80.2	4,365	4,312	80.7	80.2
60 to 64 years	2,728	2,842	57.2	58.3	2,728	2,842	57.1	58.3
65 years and over	1,867	1,817	18.2	17.4	1,867	1,817	18.2	17.4
White								
16 years and over	56,070	56,358	77.4	77.1	54,548	54,827	76.9	76.7
16 to 19 years	4,056	3,798	58.7	57.0	3,832	3,613	57.3	55.8
16 to 17 years	1,562	1,437	46.4	45.2	1,545	1,428	46.2	45.0
18 to 19 years	2,494	2,361	70.4	67.9	2,287	2,186	68.5	66.2
20 to 24 years	7,936	7,879	86.0	85.8	7,386	7,301	85.1	84.8
25 to 54 years	35,915	36,526	94.9	94.8	35,169	35,759	94.8	94.7
25 to 34 years	15,892	16,038	95.5	95.5	15,403	15,540	95.4	95.4
35 to 44 years	11,231	11,769	96.2	95.9	11,005	11,532	96.2	95.8
45 to 54 years	8,792	8,719	92.2	92.1	8,761	8,687	92.1	92.0
55 to 64 years	6,456	6,507	70.4	70.7	6,455	6,506	70.4	70.7
55 to 59 years	3,963	3,907	81.5	81.3	3,962	3,906	81.5	81.3
60 to 64 years	2,493	2,600	57.9	59.2	2,493	2,600	57.9	59.2
65 years and over	1,707	1,648	18.4	17.4	1,707	1,648	18.4	17.4
Black and other								
16 years and over	7,527	7,922	71.3	72.1	7,069	7,461	70.0	70.9
16 to 19 years	542	537	40.0	38.6	481	489	37.1	36.5
16 to 17 years	143	133	21.6	20.1	140	132	21.2	19.9
18 to 19 years	399	404	57.7	55.7	341	358	53.8	52.6
20 to 24 years	1,320	1,387	79.2	79.8	1,123	1,187	76.5	77.2
25 to 54 years	4,867	5,181	88.2	89.0	4,667	4,967	87.7	88.6
25 to 34 years	2,323	2,525	88.6	89.6	2,174	2,364	87.9	89.0
35 to 44 years	1,490	1,584	90.9	91.1	1,445	1,536	90.7	90.9
45 to 54 years	1,053	1,072	83.7	84.6	1,049	1,067	83.7	84.6
55 to 64 years	638	648	62.8	62.1	638	648	62.8	62.1
55 to 59 years	403	406	73.3	71.6	403	406	73.3	71.6
60 to 64 years	235	242	50.4	50.8	235	242	50.4	50.8
65 years and over	160	170	16.1	17.0	160	170	16.1	17.0

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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. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
FEMALES								
16 years and over	47,142	48,378	52.2	53.0	46,957	48,189	52.1	52.9
16 to 19 years	3,899	3,841	48.5	49.3	3,870	3,818	48.3	49.2
16 to 17 years	1,530	1,451	39.2	39.0	1,528	1,450	39.1	39.0
18 to 19 years	2,369	2,390	57.2	58.8	2,342	2,368	57.0	58.5
20 to 24 years	7,478	7,555	69.2	70.0	7,390	7,463	68.9	69.8
25 to 54 years	29,792	30,871	66.2	67.3	29,725	30,796	66.1	67.2
25 to 34 years	13,271	13,779	67.7	69.3	13,211	13,712	67.6	69.2
35 to 44 years	9,415	10,039	68.1	69.1	9,409	10,032	68.1	69.1
45 to 54 years	7,105	7,053	61.3	61.4	7,104	7,052	61.3	61.4
55 to 64 years	4,816	4,935	41.3	42.1	4,816	4,935	41.3	42.1
55 to 59 years	2,967	2,979	48.8	49.3	2,967	2,979	48.8	49.3
60 to 64 years	1,849	1,956	33.2	34.5	1,849	1,956	33.2	34.5
65 years and over	1,157	1,177	7.8	7.8	1,157	1,177	7.8	7.8
White								
16 years and over	40,494	41,501	51.9	52.8	40,362	41,367	51.8	52.7
16 to 19 years	3,458	3,379	52.0	52.5	3,438	3,363	51.8	52.4
16 to 17 years	1,382	1,301	42.8	42.5	1,381	1,300	42.8	42.5
18 to 19 years	2,077	2,079	60.7	61.6	2,057	2,063	60.4	61.4
20 to 24 years	6,430	6,483	71.1	72.1	6,368	6,419	70.9	71.9
25 to 54 years	25,327	26,239	65.8	67.1	25,278	26,185	65.8	67.0
25 to 34 years	11,181	11,558	67.5	69.2	11,137	11,510	67.4	69.1
35 to 44 years	8,000	8,570	67.5	68.9	7,996	8,565	67.5	68.8
45 to 54 years	6,146	6,110	61.1	61.2	6,145	6,109	61.1	61.2
55 to 64 years	4,236	4,349	40.8	41.8	4,236	4,349	40.8	41.8
55 to 59 years	2,593	2,619	48.1	49.1	2,593	2,619	48.1	49.1
60 to 64 years	1,643	1,730	33.0	34.2	1,643	1,730	33.0	34.2
65 years and over	1,042	1,051	7.8	7.7	1,042	1,051	7.8	7.7
Black and other								
16 years and over	6,648	6,878	53.8	54.3	6,595	6,822	53.6	54.1
16 to 19 years	441	462	31.6	34.3	432	455	31.2	33.9
16 to 17 years	148	150	21.9	22.8	148	150	21.8	22.8
18 to 19 years	292	312	40.9	45.1	284	305	40.2	44.6
20 to 24 years	1,048	1,072	59.5	59.9	1,022	1,044	58.9	59.3
25 to 54 years	4,464	4,634	68.3	68.5	4,446	4,613	68.2	68.4
25 to 34 years	2,091	2,221	68.8	69.9	2,074	2,202	68.7	69.7
35 to 44 years	1,415	1,469	71.9	70.9	1,413	1,468	71.9	70.9
45 to 54 years	960	943	62.7	62.1	959	943	62.7	62.1
55 to 64 years	580	585	45.4	44.4	580	585	45.4	44.4
55 to 59 years	375	359	53.9	50.8	375	359	53.9	50.8
60 to 64 years	206	226	35.3	37.0	206	226	35.3	37.0
65 years and over	115	126	8.2	8.7	115	126	8.2	8.7

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

[Numbers in thousands]

Sex and age	December 1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agri- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
TOTAL							
16 years and over	11,452	9,136	181	8,955	2,316	20.2	7,299
16 to 19 years	771	397	16	382	373	48.4	1,490
16 to 17 years	221	116	3	113	105	47.4	899
18 to 19 years	550	281	13	269	269	48.9	591
20 to 24 years	1,879	1,286	16	1,270	593	31.6	823
25 to 54 years	7,560	6,321	113	6,208	1,239	16.4	2,147
25 to 34 years	3,613	2,886	52	2,834	727	20.1	915
35 to 44 years	2,347	1,991	31	1,960	356	15.2	578
45 to 54 years	1,600	1,443	30	1,413	157	9.8	655
55 to 64 years	994	896	19	876	98	9.9	961
55 to 59 years	628	561	16	545	67	10.7	419
60 to 64 years	366	335	4	331	31	8.6	542
65 years and over	248	236	17	219	12	4.9	1,967
Males							
16 years and over	5,863	4,521	144	4,377	1,342	22.9	2,499
16 to 19 years	396	181	4	177	215	54.4	711
16 to 17 years	99	43	2	41	56	56.7	458
18 to 19 years	297	138	3	136	159	53.6	253
20 to 24 years	986	641	13	629	344	34.9	244
25 to 54 years	3,839	3,129	94	3,034	710	18.5	488
25 to 34 years	1,823	1,410	43	1,366	413	22.7	206
35 to 44 years	1,181	974	27	947	207	17.5	119
45 to 54 years	835	745	24	721	90	10.8	164
55 to 64 years	503	438	17	420	66	13.0	353
55 to 59 years	318	270	14	256	48	15.1	141
60 to 64 years	185	168	4	165	18	9.4	212
65 years and over	140	133	16	117	7	4.7	703
Females							
16 years and over	5,589	4,615	37	4,578	974	17.4	4,790
16 to 19 years	375	217	12	205	158	42.2	780
16 to 17 years	122	74	1	72	49	39.9	441
18 to 19 years	252	143	10	133	109	43.3	339
20 to 24 years	893	645	3	641	249	27.8	579
25 to 54 years	3,721	3,192	19	3,174	529	14.2	1,659
25 to 34 years	1,790	1,476	9	1,468	314	17.5	709
35 to 44 years	1,166	1,017	4	1,013	149	12.9	459
45 to 54 years	765	699	6	692	66	8.7	491
55 to 64 years	491	458	2	456	33	6.7	609
55 to 59 years	311	292	2	289	19	6.1	278
60 to 64 years	181	167	--	166	14	7.6	330
65 years and over	109	103	1	102	6	5.2	1,163

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
TOTAL								
Total noninstitutional population	173,330	175,380	74,714	75,995	82,306	83,549	16,310	15,835
Total labor force	110,739	112,659	58,999	59,945	43,243	44,537	8,497	8,176
Percent of population	63.9	64.2	79.0	78.9	52.5	53.3	52.1	51.5
Civilian labor force	108,574	110,477	57,305	58,186	43,087	44,371	8,182	7,920
Employed	99,562	98,849	52,962	52,290	40,096	40,522	6,503	6,337
Agriculture	2,870	3,011	2,194	2,240	462	514	214	257
Nonagricultural industries	96,691	95,838	50,768	50,049	39,634	40,008	6,289	5,780
Unemployed	9,013	11,628	4,343	5,896	2,991	3,849	1,679	1,383
Percent of labor force	8.3	10.5	7.6	10.1	6.9	8.7	20.5	23.3
Not in labor force	62,592	62,722	15,715	16,050	39,063	39,012	7,813	7,660
White								
Total noninstitutional population	150,409	151,721	65,517	66,395	71,331	72,228	13,561	13,099
Total labor force	96,564	97,859	52,014	52,560	37,035	38,121	7,514	7,173
Percent of population	64.2	64.5	79.4	79.2	51.9	52.8	55.4	54.8
Civilian labor force	94,910	96,194	50,716	51,214	36,924	38,004	7,269	6,976
Employed	87,956	87,172	47,324	46,590	34,698	35,078	5,934	5,504
Agriculture	2,642	2,761	1,992	2,041	440	483	209	237
Nonagricultural industries	85,314	84,411	45,332	44,549	34,258	34,594	5,725	5,268
Unemployed	6,954	9,022	3,392	4,624	2,226	2,926	1,335	1,472
Percent of labor force	7.3	9.4	6.7	9.0	6.0	7.7	18.4	21.1
Not in labor force	53,845	53,862	13,503	13,835	34,296	34,106	6,047	5,921
Black and other								
Total noninstitutional population	22,921	23,659	9,197	9,601	10,975	11,321	2,749	2,733
Total labor force	14,175	14,800	6,985	7,385	6,207	6,416	983	999
Percent of population	61.8	62.6	75.9	76.9	56.6	56.7	35.8	35.5
Civilian labor force	13,664	14,283	6,588	6,972	6,163	6,367	913	944
Employed	11,605	11,677	5,638	5,699	5,398	5,445	569	533
Agriculture	229	250	202	199	22	30	4	21
Nonagricultural industries	11,377	11,427	5,436	5,500	5,376	5,414	565	512
Unemployed	2,059	2,606	950	1,273	765	923	344	411
Percent of labor force	15.1	18.2	14.4	18.3	12.4	14.5	37.6	43.5
Not in labor force	8,746	8,859	2,212	2,215	4,768	4,905	1,766	1,739

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 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,426	12,389	12,037	20,252	10,281	9,971	4,174	2,108	2,066
Total labor force	14,442	7,768	6,675	12,506	6,684	5,822	1,936	1,084	852
Percent of population	59.1	62.7	55.4	61.8	65.0	58.4	46.4	51.4	41.3
Civilian labor force	13,771	7,161	6,611	11,993	6,215	5,777	1,778	945	833
Employed	10,873	5,432	5,442	9,800	4,899	4,901	1,073	533	540
Agriculture	426	357	69	353	337	56	33	20	13
Nonagricultural industries	10,447	5,074	5,373	9,407	4,562	4,846	1,040	513	527
Unemployed	2,898	1,729	1,169	2,193	1,317	876	705	412	293
Looking for full-time work	1,837	1,123	713	1,345	834	511	491	289	202
Looking for part-time work	1,061	605	456	847	482	365	214	123	91
Percent of labor force	21.0	24.1	17.7	18.3	21.2	15.2	39.6	43.6	35.1
Not in labor force	9,984	4,621	5,363	7,746	3,597	4,149	2,238	1,025	1,213
Major activity: going to school									
Civilian labor force	4,563	2,248	2,315	4,075	2,003	2,071	488	244	244
Employed	3,532	1,647	1,885	3,283	1,538	1,745	249	108	141
Agriculture	128	111	17	124	111	14	4	--	4
Nonagricultural industries	3,404	1,536	1,868	3,159	1,428	1,731	245	108	137
Unemployed	1,031	601	430	792	465	327	239	136	103
Looking for full-time work	83	44	39	48	27	22	34	17	17
Looking for part-time work	948	557	391	744	438	305	204	119	86
Percent of labor force	22.6	26.7	18.6	19.4	23.2	15.8	49.0	55.6	42.3
Not in labor force	7,980	4,106	3,874	6,256	3,224	3,032	1,724	883	942
Major activity: other									
Civilian labor force	9,209	4,913	4,296	7,918	4,212	3,706	1,290	701	590
Employed	7,342	3,785	3,556	6,517	3,361	3,157	824	425	400
Agriculture	298	247	51	269	227	42	29	20	9
Nonagricultural industries	7,044	3,539	3,505	6,248	3,134	3,115	795	405	390
Unemployed	1,867	1,128	739	1,401	851	549	466	276	190
Looking for full-time work	1,754	1,079	675	1,297	808	490	457	272	185
Looking for part-time work	113	48	65	104	44	60	9	5	5
Percent of labor force	20.3	23.0	17.2	17.7	20.2	14.8	36.1	39.4	32.2
Not in labor force	2,004	515	1,489	1,490	373	1,117	514	142	371

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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 1982								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	94,024	77,658	6,472	9,894	10.5	16,453	14,719	1,734	10.5
16 to 21 years	7,996	4,936	1,224	1,837	23.0	5,775	4,714	1,061	18.4
16 to 19 years	3,517	1,849	695	973	27.7	4,403	3,493	910	20.7
16 to 17 years	460	147	121	191	41.6	2,549	1,934	615	24.1
18 to 19 years	3,057	1,702	574	781	25.6	1,854	1,559	295	15.9
20 years and over	90,507	75,809	5,777	8,921	9.9	12,049	11,226	824	6.9
20 to 24 years	13,319	9,880	1,255	2,184	16.4	2,632	2,345	287	10.9
25 years and over	77,189	65,929	4,523	6,737	8.7	9,418	8,881	537	5.7
25 to 54 years	65,101	55,327	3,761	6,013	9.2	6,423	6,010	413	6.4
55 years and over	12,087	10,602	763	724	6.0	2,995	2,871	123	4.1
Males, 16 years and over	56,990	47,649	3,131	6,210	10.9	5,298	4,500	798	15.1
16 to 21 years	4,425	2,699	603	1,123	25.4	2,735	2,130	605	22.1
16 to 19 years	1,956	1,034	332	590	30.2	2,147	1,624	522	24.3
16 to 17 years	55,035	46,615	2,799	5,620	10.2	3,151	2,875	276	8.8
20 years and over	7,423	5,439	614	1,371	18.5	1,065	937	128	12.1
20 to 24 years	47,612	41,177	2,186	4,249	8.9	2,086	1,939	148	7.1
25 years and over	39,852	34,284	1,786	3,780	9.5	875	793	82	9.4
25 to 54 years	7,760	6,892	400	469	6.0	1,211	1,146	65	5.4
55 years and over									
Females, 16 years and over	37,034	30,009	3,341	3,683	9.9	11,155	10,219	936	8.4
16 to 21 years	3,571	2,236	621	713	20.0	3,040	2,584	456	15.0
16 to 19 years	1,561	816	363	382	24.5	2,257	1,869	388	17.2
16 to 17 years	35,473	29,194	2,978	3,301	9.3	8,888	8,350	548	6.2
20 years and over	5,896	4,441	641	814	13.8	1,567	1,408	159	10.1
20 to 24 years	29,577	24,753	2,338	2,487	8.4	7,331	6,942	390	5.3
25 years and over	25,249	21,043	1,975	2,233	8.8	5,548	5,217	331	6.0
25 to 54 years	4,328	3,710	363	255	5.9	1,783	1,725	59	3.3
55 years and over									
White									
Males, 16 years and over	50,095	42,578	2,651	4,866	9.7	4,732	4,098	634	13.4
16 to 21 years	3,743	2,414	494	834	22.3	2,473	1,991	482	19.5
16 to 19 years	1,674	941	281	451	27.0	1,939	1,514	425	21.9
16 to 17 years	48,421	41,636	2,370	4,415	9.1	2,793	2,584	209	7.5
20 years and over	6,352	4,823	502	1,027	16.2	949	856	93	9.8
20 to 24 years	42,069	36,814	1,868	3,388	8.1	1,843	1,728	115	6.2
25 years and over	35,029	30,493	1,534	3,003	8.6	730	674	57	7.8
25 to 54 years	7,040	6,321	334	386	5.5	1,113	1,054	59	5.3
55 years and over									
Females, 16 years and over	31,227	25,713	2,753	2,761	8.8	10,140	9,380	760	7.5
16 to 21 years	3,041	1,999	530	511	16.8	2,737	2,371	365	13.3
16 to 19 years	1,332	737	314	281	21.1	2,031	1,717	314	15.5
16 to 17 years	29,894	24,975	2,439	2,480	8.3	8,109	7,663	446	5.5
20 years and over	5,012	3,886	537	589	11.8	1,407	1,287	120	8.6
20 to 24 years	24,862	21,089	1,902	1,891	7.6	6,703	6,376	326	4.9
25 years and over	21,080	17,784	1,623	1,672	7.9	5,104	4,828	276	5.4
25 to 54 years	3,802	3,305	279	218	5.7	1,598	1,548	50	3.1
55 years and over									
Black and other									
Males, 16 years and over	6,856	5,071	480	1,344	19.5	566	402	164	29.0
16 to 21 years	683	285	108	289	42.3	263	139	123	46.9
16 to 19 years	282	92	50	139	49.3	207	111	97	46.7
16 to 17 years	6,614	4,979	429	1,205	18.2	358	291	67	18.7
20 years and over	1,071	615	112	344	32.1	116	80	35	30.6
20 to 24 years	5,543	4,364	318	861	15.5	243	211	31	12.8
25 years and over	4,823	3,793	253	778	16.1	145	119	26	17.9
25 to 54 years	720	571	66	83	11.5	98	92	6	6.1
55 years and over									
Females, 16 years and over	5,807	4,297	589	922	15.9	1,015	839	176	17.3
16 to 21 years	530	237	91	202	38.1	303	212	91	29.9
16 to 19 years	229	78	49	101	44.2	226	152	74	32.7
16 to 17 years	5,578	4,218	539	821	14.7	789	687	102	12.9
20 years and over	884	556	104	225	25.4	160	121	38	24.0
20 to 24 years	4,695	3,662	436	596	12.7	629	566	63	10.0
25 years and over	4,169	3,258	351	559	13.4	444	389	55	12.4
25 to 54 years	526	404	84	36	6.8	186	177	8	4.3
55 years and over									

¹ 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 1982									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	119,477	63.8	98,849	11,628	17.5	62,722	31,980	9,873	2,553	18,316
Husbands	39,571	79.6	36,644	2,928	7.4	19,125	127	254	931	8,812
With employed wife	22,001	91.5	20,520	1,480	6.7	2,045	32	139	298	1,576
With unemployed wife	1,816	94.0	1,409	407	22.4	116	1	10	16	89
With wife not in labor force	15,755	66.4	14,715	1,040	6.6	7,963	94	105	617	7,147
Wives	25,978	52.3	24,046	1,932	7.4	23,718	21,205	363	291	1,859
With employed husband	21,929	59.8	20,520	1,409	6.4	14,715	13,672	299	100	644
With unemployed husband	1,837	64.5	1,480	407	21.6	1,040	964	18	13	45
With husband not in labor force	2,161	21.3	2,045	116	5.4	7,963	6,569	46	178	1,170
Relatives in married-couple families	13,546	61.0	10,994	2,552	18.8	8,645	842	6,187	239	1,376
16 to 19 years	5,305	50.6	4,206	1,099	20.7	5,173	136	4,723	13	300
20 to 24 years	5,342	75.4	4,415	927	17.4	1,747	143	1,313	23	266
25 years and over	2,899	62.7	2,373	526	13.1	1,725	563	151	203	810
Females who maintain families	5,796	60.6	5,031	765	13.2	3,762	2,865	149	157	591
Relatives in families maintained by females	4,866	56.5	3,552	1,314	27.0	3,742	816	1,769	257	899
16 to 19 years	1,294	44.2	816	478	36.9	1,633	193	1,382	2	146
20 to 24 years	1,539	71.1	1,091	448	29.1	626	128	323	17	158
25 years and over	2,033	57.8	1,645	388	19.1	1,483	585	64	238	595
Males who maintain families	1,814	74.9	1,595	219	12.1	608	29	35	86	458
Relatives in families maintained by males	1,459	58.4	1,167	292	20.0	1,038	417	315	64	242
16 to 19 years	302	52.5	205	97	32.0	273	16	221	2	34
20 to 24 years	414	71.9	328	86	20.8	162	53	70	1	37
25 years and over	743	55.2	634	109	14.7	601	349	24	51	171
Persons living alone	10,320	53.2	9,535	784	7.6	9,092	4,951	267	439	3,435
Males	5,359	71.0	4,826	534	10.0	2,192	141	148	155	1,748
Females	4,960	41.8	4,710	251	5.1	6,901	4,810	120	284	1,687
All others¹	7,127	78.2	6,285	842	11.8	1,992	728	534	99	644

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

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

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
Total, 16 years and over	5,346	7,009	8.7	11.3	3,667	4,619	7.8	9.6
Married, spouse present	2,234	3,108	5.5	7.7	1,571	2,026	6.1	7.7
Widowed, divorced, or separated	611	825	11.0	14.7	816	1,012	8.7	10.7
Single (never married)	2,501	3,075	16.2	19.1	1,280	1,580	10.7	12.9
Whites, 16 years and over	4,212	5,500	7.7	10.0	2,742	3,521	6.8	8.5
Married, spouse present	1,863	2,644	5.1	7.2	1,300	1,735	5.7	7.4
Widowed, divorced, or separated	455	620	10.1	13.4	588	724	7.8	9.5
Single (never married)	1,894	2,236	14.3	16.4	854	1,062	8.6	10.4
Black and other, 16 years and over	1,134	1,508	16.0	20.2	925	1,098	14.0	16.1
Married, spouse present	372	464	9.9	11.9	270	291	9.8	10.2
Widowed, divorced, or separated	155	205	14.9	20.3	228	288	12.2	15.6
Single (never married)	607	839	26.7	33.1	426	518	21.6	24.4
Total, 20 to 64 years of age	4,270	5,817	7.7	10.3	2,967	3,812	7.1	8.8
Married, spouse present	2,156	3,012	5.5	7.7	1,498	1,943	6.0	7.6
Widowed, divorced, or separated	597	816	11.3	15.1	775	971	8.9	11.1
Single (never married)	1,517	1,988	13.4	16.4	695	897	8.3	10.3
Whites, 20 to 64 years of age	3,337	4,557	6.8	9.2	2,206	2,896	6.1	7.9
Married, spouse present	1,797	2,562	5.1	7.3	1,233	1,659	5.6	7.2
Widowed, divorced, or separated	446	612	10.4	13.8	553	691	8.0	9.9
Single (never married)	1,095	1,383	11.5	13.8	420	545	6.2	7.3
Black and other, 20 to 64 years of age	932	1,261	14.5	18.5	761	917	12.6	14.7
Married, spouse present	360	451	9.9	11.9	265	285	9.8	10.3
Widowed, divorced, or separated	152	205	15.4	21.3	222	280	12.4	15.8
Single (never married)	422	605	23.5	29.5	274	352	17.6	20.8

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A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
Total, 16 years and over	9,013	11,628	8.3	10.5	8.7	11.3	7.8	9.6
White-collar workers	2,258	2,929	4.0	5.1	3.2	4.3	4.7	5.8
Professional and technical	510	589	2.9	3.3	2.6	3.5	3.3	3.0
Managers and administrators, except farm	340	474	2.9	3.9	2.5	3.6	4.1	4.8
Sales workers	287	393	4.0	5.4	3.8	4.7	4.3	6.1
Clerical workers	1,121	1,473	5.7	7.4	5.7	7.5	5.7	7.4
Blue-collar workers	4,351	5,530	12.7	16.4	12.2	16.0	14.5	18.0
Craft and kindred workers	1,253	1,603	9.2	12.0	9.4	12.2	6.9	9.0
Carpenters and other construction craft workers	625	769	14.9	18.2	15.0	18.4	8.0	11.9
All other	628	834	6.6	9.1	6.6	9.1	6.8	8.7
Operatives, except transport	1,781	2,224	15.0	19.8	14.3	19.5	16.0	20.3
Transport equipment operatives	382	499	10.1	13.1	10.6	13.1	5.4	12.9
Nonfarm laborers	935	1,204	18.5	22.3	18.2	23.1	20.3	17.2
Construction laborers	249	355	27.2	32.5	26.9	32.3	(1)	(1)
All other	686	849	16.5	19.7	16.1	20.4	19.4	16.0
Service workers	1,342	1,786	9.0	11.5	9.4	12.3	8.7	11.0
Private household	41	83	3.4	7.2	(1)	(1)	3.4	7.2
All other	1,301	1,703	9.5	11.9	9.5	12.3	9.4	11.5
Farm workers	159	263	7.8	9.8	7.3	8.7	10.6	15.0
No previous work experience	863	1,120	--	--	--	--	--	--
16 to 19 years	625	858	--	--	--	--	--	--
20 to 24 years	163	158	--	--	--	--	--	--
25 years and over	76	103	--	--	--	--	--	--

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

A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
Total, 16 years and over	100.0	100.0	8.3	10.5	8.7	11.3	7.8	9.5
Nonagricultural private wage and salary workers	77.5	79.0	8.7	11.2	9.2	12.2	8.0	10.0
Mining	.9	1.5	6.6	16.6	6.7	18.2	6.2	8.2
Construction	10.2	9.8	18.1	22.0	18.5	22.6	14.2	15.3
Manufacturing	26.6	27.4	10.5	14.4	9.8	13.5	11.8	16.0
Durable goods	16.8	18.5	10.9	16.2	10.7	15.7	11.7	17.6
Lumber and wood products	1.7	.9	22.3	16.9	21.2	16.5	30.3	19.0
Furniture and fixtures	.7	.7	11.9	15.1	8.8	12.2	18.1	22.3
Stone, clay, and glass products	1.0	.8	12.4	15.3	11.7	14.2	15.1	23.1
Primary metal industries	1.9	2.7	13.2	29.4	13.3	29.2	12.2	30.9
Fabricated metal products	2.2	2.3	12.4	18.7	12.7	19.2	11.4	17.1
Machinery, except electrical equipment	2.3	3.5	7.0	14.3	7.0	14.6	7.2	13.2
Electrical equipment	2.3	2.7	8.2	12.7	6.4	9.6	10.3	16.7
Transportation equipment	3.6	3.4	14.6	18.3	14.3	16.6	16.3	24.9
Automobiles	2.8	2.1	21.2	23.3	19.5	20.3	29.8	35.6
Other transportation equipment	.9	1.3	7.4	13.4	8.2	12.9	3.4	15.5
Instruments and related products	.4	.6	5.4	10.0	4.6	9.4	6.5	10.6
Other durable goods industries	.8	.9	10.3	12.6	7.1	8.2	14.3	18.4
Nondurable goods	9.8	8.9	9.8	11.6	8.1	9.6	12.1	14.5
Food and kindred products	2.6	2.2	12.4	13.3	10.4	11.2	17.3	17.5
Textile mill products	1.1	.7	12.5	10.8	15.8	10.1	9.4	11.6
Apparel and other textile products	2.3	1.5	14.5	14.1	11.2	12.3	15.4	14.6
Paper and allied products	.5	.5	5.6	8.1	4.6	6.9	9.1	11.6
Printing and publishing	.9	1.1	5.0	8.0	4.3	7.2	5.9	9.0
Chemicals and allied products	.9	1.0	6.2	9.5	5.0	7.6	9.2	13.7
Rubber and plastics products	1.0	1.0	12.3	16.4	11.1	13.5	14.3	22.0
Other nondurable goods industries	.6	.8	8.9	14.9	6.8	10.5	12.0	21.1
Transportation and public utilities	3.9	3.9	5.9	7.9	6.6	9.0	4.0	4.8
Railroads and railway express	.6	.6	9.1	13.5	8.8	13.9	(1)	(1)
Other transportation	2.7	2.7	8.7	11.5	9.5	12.4	5.5	8.3
Communication and other public utilities	.6	.6	2.0	2.8	1.9	3.2	2.2	1.9
Wholesale and retail trade	19.1	19.1	8.4	10.5	8.1	9.7	8.8	11.3
Finance, insurance, and real estate	2.5	2.4	3.8	4.7	3.8	5.4	3.5	4.2
Service industries	14.4	14.8	6.8	8.5	7.5	9.8	6.4	7.5
Professional services	5.9	5.3	4.7	5.2	4.0	5.2	5.1	5.2
All other service industries	8.5	9.5	9.7	13.0	10.7	14.0	8.6	12.1
Agricultural wage and salary workers	2.9	3.0	18.1	21.0	17.5	20.5	20.6	22.6
All other classes of workers	10.0	8.4	3.5	3.8	3.5	3.9	3.6	3.6
No previous work experience	9.6	9.6	--	--	--	--	--	--

¹ 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. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	9,013	11,628	4,343	5,896	2,991	3,849	1,679	1,883	6,954	9,022	2,059	2,606
Job losers.....	5,363	7,384	3,296	4,783	1,544	2,158	523	443	4,238	5,834	1,124	1,550
On layoff.....	2,028	2,519	1,282	1,706	596	713	149	100	1,701	2,131	325	388
Other job losers.....	3,335	4,865	2,014	3,077	948	1,445	374	343	2,537	3,703	798	1,162
Job leavers.....	806	736	330	290	372	332	105	115	697	622	109	114
Reentrants.....	1,982	2,392	605	709	948	1,211	428	472	1,439	1,784	543	608
New entrants.....	862	1,115	111	114	127	148	623	854	580	781	282	334
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	59.5	63.5	75.9	81.1	51.6	56.0	31.2	23.5	61.0	64.7	54.6	59.5
On layoff.....	22.5	21.7	29.5	28.9	19.9	18.5	8.9	5.3	24.5	23.6	15.8	14.9
Other job losers.....	37.0	41.8	46.4	52.2	31.7	37.5	22.3	18.2	36.5	41.1	38.8	43.6
Job leavers.....	8.9	6.3	7.6	4.9	12.4	8.6	6.2	6.1	10.0	6.9	5.3	4.4
Reentrants.....	22.0	20.6	13.9	12.0	31.7	31.5	25.5	25.0	20.7	19.8	26.4	23.3
New entrants.....	9.6	9.6	2.6	1.9	4.3	3.8	37.1	45.3	8.3	8.7	13.7	12.8
UNEMPLOYMENT RATE												
Total unemployment rate.....	8.3	10.5	7.6	10.1	6.9	8.7	20.5	23.8	7.3	9.4	15.1	18.2
Job loser rate ¹	5.0	6.7	5.7	8.2	3.6	4.9	6.4	5.6	4.5	6.0	8.2	10.8
Job leaver rate ¹.....	.7	.7	.6	.5	.9	.7	1.3	1.4	.7	.6	.9	.8
Reentrant rate ¹	1.8	2.2	1.1	1.2	2.2	2.7	5.2	6.0	1.5	1.9	4.0	4.3
New entrant rate ¹.....	.8	1.0	.2	.2	.3	.3	7.6	10.8	.6	.8	2.1	2.3

¹ Unemployment rates are calculated as a percent of the civilian labor force.

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

[Percent distribution]

Reason, sex, and age	December 1982						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	11,628	100.0	31.1	30.9	38.1	17.4	20.7
Job losers.....	7,384	100.0	27.2	31.2	41.6	17.3	24.3
On layoff.....	2,519	100.0	39.9	29.9	30.2	12.7	17.6
Other job losers.....	4,865	100.0	20.6	32.0	47.5	19.6	27.8
Job leavers.....	736	100.0	30.8	34.7	34.5	18.5	16.0
Reentrants.....	2,392	100.0	39.3	30.3	30.4	16.6	13.8
New entrants.....	1,115	100.0	39.3	27.0	33.7	19.6	14.1
Males, 20 years and over.....	5,896	100.0	26.0	30.8	43.2	17.6	25.6
Job losers.....	4,783	100.0	25.8	30.8	43.4	17.1	26.4
On layoff.....	1,706	100.0	37.6	30.8	31.6	12.9	18.7
Other job losers.....	3,077	100.0	19.2	30.8	50.0	19.4	30.7
Job leavers.....	290	100.0	23.5	32.5	44.0	20.3	23.7
Reentrants.....	709	100.0	28.0	31.7	40.3	19.4	20.9
New entrants.....	114	100.0	31.1	21.1	47.9	22.2	25.7
Females, 20 years and over.....	3,849	100.0	33.9	30.7	35.4	16.8	18.7
Job losers.....	2,158	100.0	27.4	31.6	41.0	17.9	23.1
On layoff.....	713	100.0	41.5	27.3	31.2	13.5	17.7
Other job losers.....	1,445	100.0	20.5	33.7	45.8	20.0	25.8
Job leavers.....	332	100.0	33.5	34.7	31.8	18.1	13.8
Reentrants.....	1,211	100.0	45.2	28.5	26.3	14.3	12.0
New entrants.....	148	100.0	35.8	27.4	36.7	18.1	18.6
Both sexes, 16 to 19 years.....	1,883	100.0	41.0	31.3	27.6	18.2	9.4
Job losers.....	443	100.0	41.0	34.4	24.6	16.4	9.2
On layoff.....	100	100.0	68.2	31.3	.5	.5	--
Other job losers.....	343	100.0	33.0	35.3	31.6	20.4	11.3
Job leavers.....	115	100.0	41.5	40.1	18.4	15.3	3.1
Reentrants.....	472	100.0	41.1	32.9	26.0	18.2	7.8
New entrants.....	854	100.0	41.0	27.7	31.3	19.6	11.7

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

Sex, age, and race	December 1982								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
Total, 16 years and over	11,628	9,038	23.8	5.2	80.3	34.0	16.5	4.5	1.64
16 to 19 years	1,883	1,776	15.3	2.6	86.5	22.7	13.8	2.6	1.44
20 to 24 years	2,471	2,013	25.4	4.4	82.2	36.6	16.0	2.1	1.57
25 to 34 years	3,378	2,513	25.8	6.0	77.5	38.4	15.9	4.0	1.68
35 to 44 years	1,954	1,369	28.3	6.9	78.0	36.2	21.4	5.5	1.76
45 to 54 years	1,094	765	23.0	6.4	77.1	37.1	17.3	7.8	1.69
55 to 64 years	731	501	27.1	7.0	77.4	32.7	16.8	11.2	1.72
65 years and over	116	100	20.0	1.0	70.0	28.0	14.0	5.0	1.38
Males, 16 years and over	7,009	5,192	26.0	4.7	81.6	31.6	18.8	5.7	1.68
16 to 19 years	1,113	1,038	16.4	2.5	87.2	20.3	16.8	2.6	1.46
20 to 24 years	1,499	1,188	27.5	3.4	84.9	34.3	17.5	2.0	1.70
25 to 34 years	2,075	1,420	29.0	4.6	79.5	35.8	18.8	6.5	1.74
35 to 44 years	1,137	741	33.1	7.2	77.5	34.3	25.0	7.2	1.84
45 to 54 years	652	428	23.4	8.2	78.5	35.7	17.8	12.1	1.76
55 to 64 years	454	308	26.6	7.8	74.4	31.5	18.8	14.6	1.74
65 years and over	79	69	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	4,619	3,846	20.8	5.8	78.5	37.3	13.3	2.9	1.59
16 to 19 years	770	738	13.6	2.8	85.6	26.2	9.6	2.6	1.40
20 to 24 years	972	826	22.3	5.9	78.3	40.0	13.9	2.3	1.63
25 to 34 years	1,303	1,093	21.6	7.7	74.9	41.9	12.1	2.7	1.61
35 to 44 years	817	628	22.6	6.5	78.7	38.4	17.2	3.5	1.67
45 to 54 years	443	337	22.6	4.2	75.4	38.9	16.6	2.4	1.50
55 to 64 years	277	194	27.8	5.7	82.0	34.5	13.4	6.2	1.70
65 years and over	37	31	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	9,022	6,833	22.4	5.3	80.2	35.8	16.4	4.8	1.65
Males	5,500	3,950	25.7	4.6	81.4	33.6	19.4	6.2	1.71
Females	3,521	2,883	18.0	6.1	78.6	38.7	12.3	2.9	1.57
Black and other, 16 years and over	2,606	2,205	27.8	4.9	80.5	28.7	16.8	3.4	1.62
Males	1,508	1,242	26.9	5.0	82.2	25.4	17.0	4.1	1.51
Females	1,098	963	29.1	4.7	78.4	32.9	16.5	2.7	1.64

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

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

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

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

Sex and reason	December 1982								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
Total, 16 years and over	11,628	9,038	23.8	5.2	80.3	34.0	16.5	4.5	1.64
Job losers	7,384	4,859	29.3	5.8	80.5	37.0	19.2	5.0	1.77
Job leavers	736	738	21.3	6.9	80.4	40.0	14.0	2.3	1.65
Reentrants	2,392	2,327	16.4	4.5	77.7	31.8	13.6	4.7	1.43
New entrants	1,115	1,114	16.8	2.4	84.9	21.7	12.3	3.2	1.41
Males, 16 years and over	7,009	5,192	26.0	4.7	81.6	31.6	18.8	5.7	1.58
Job losers	5,096	3,314	30.1	5.3	80.4	34.0	21.3	6.4	1.79
Job leavers	344	345	20.3	3.2	84.3	36.8	12.2	2.6	1.59
Reentrants	975	939	18.8	5.0	83.5	28.3	16.6	6.0	1.58
New entrants	593	593	17.7	2.0	83.8	20.4	12.5	3.5	1.40
Females, 16 years and over	4,619	3,846	20.8	5.8	78.5	37.3	13.3	2.0	1.59
Job losers	2,287	1,545	27.5	7.0	80.6	43.4	14.8	2.2	1.76
Job leavers	392	392	22.2	10.5	76.8	42.9	15.6	2.0	1.70
Reentrants	1,417	1,387	14.7	4.2	73.9	34.2	11.5	3.9	1.43
New entrants	522	521	15.7	2.9	86.0	23.2	12.1	2.7	1.43

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. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
Total, 16 years and over	9,013	11,628	100.0	100.0	7,612	9,894	100.0	100.0
Less than 5 weeks	3,614	3,611	40.1	31.1	2,838	2,820	37.3	23.5
5 to 14 weeks	3,142	3,588	34.9	30.9	2,714	3,045	35.7	30.8
15 to 26 weeks	2,240	2,355	24.9	20.3	1,944	2,017	25.5	20.4
27 to 51 weeks	902	1,233	10.0	10.6	769	1,028	10.1	10.4
52 weeks and over	2,257	4,429	25.0	38.1	2,060	4,029	27.1	40.7
Average (mean) duration, in weeks	13.2	18.3	--	--	14.1	19.5	--	--
Median duration, in weeks	7.2	10.6	--	--	7.8	11.4	--	--

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. 1981	Dec. 1982	Dec. 1981	Dec. 1982
	December 1982										
Total, 16 years and over	11,628	3,611	3,588	2,026	2,403	18.3	10.6	40.1	31.1	25.0	38.1
16 to 21 years	2,898	1,113	922	524	339	13.8	8.3	46.4	38.4	20.3	29.9
16 to 19 years	1,883	773	590	343	177	12.5	7.8	49.0	41.0	13.5	27.6
20 to 24 years	2,411	798	776	431	467	17.5	9.9	39.8	32.3	22.6	36.3
25 to 34 years	3,378	931	1,126	577	744	19.4	11.2	39.3	27.6	26.5	39.1
35 to 44 years	1,954	556	569	362	467	19.8	11.8	34.0	28.5	28.6	42.4
45 to 54 years	1,094	303	296	168	328	22.5	12.9	37.8	27.7	30.3	45.3
55 to 64 years	731	210	200	126	195	20.7	12.2	35.8	28.7	27.9	43.9
65 years and over	116	40	31	20	25	19.8	9.3	38.0	34.6	22.1	38.7
Males, 16 years and over	7,009	1,985	2,170	1,224	1,629	20.1	11.5	39.1	28.3	25.1	40.7
16 to 21 years	1,729	638	557	300	233	14.6	8.6	46.5	36.9	13.9	30.9
16 to 19 years	1,113	450	354	187	121	13.2	7.8	49.1	40.5	18.8	27.7
20 to 24 years	1,499	424	495	264	317	19.0	10.8	37.1	28.3	25.1	39.7
25 to 34 years	2,075	488	696	365	525	21.8	12.6	37.8	23.5	27.3	42.9
35 to 44 years	1,137	311	314	210	303	21.9	12.7	33.1	27.3	30.8	45.1
45 to 54 years	652	168	166	106	212	24.0	14.5	40.7	25.8	31.7	48.9
55 to 64 years	454	123	122	78	132	21.9	13.2	31.5	27.0	27.4	46.2
65 years and over	79	21	23	15	20	23.3	11.4	(1)	26.7	(1)	44.0
Females, 16 years and over	4,619	1,625	1,419	802	773	15.6	9.3	41.6	35.2	23.5	34.1
16 to 21 years	1,169	475	365	224	105	12.7	7.9	46.3	40.6	23.3	28.1
16 to 19 years	770	323	236	156	56	11.4	7.7	48.9	41.9	20.5	27.5
20 to 24 years	972	375	281	167	150	15.1	9.0	43.8	38.5	18.7	32.6
25 to 34 years	1,303	442	430	212	219	15.5	9.1	41.4	34.0	24.5	33.0
35 to 44 years	817	245	255	152	165	17.0	10.7	35.3	30.0	25.7	38.8
45 to 54 years	443	135	130	62	116	20.2	10.7	33.9	30.4	29.5	40.2
55 to 64 years	277	87	78	48	63	18.9	10.7	41.9	31.5	28.5	40.2
65 years and over	37	19	8	4	5	12.4	4.8	(1)	(1)	(1)	(1)
White, 16 years and over	9,022	2,850	2,906	1,530	1,736	17.4	10.1	40.7	31.6	23.2	36.2
Males	5,500	1,578	1,762	964	1,196	19.1	11.0	39.9	28.7	24.4	39.3
Females	3,521	1,272	1,143	566	540	14.6	8.6	41.8	36.1	21.4	31.4
Black and other, 16 years and over	2,606	761	682	496	667	21.6	12.9	38.1	29.2	31.3	44.6
Males	1,508	407	407	261	433	23.4	13.5	35.8	27.0	32.7	46.0
Females	1,098	354	275	236	233	19.0	12.1	40.9	32.2	29.6	42.7
Males, 16 years and over:											
Married, spouse present	3,108	857	941	513	798	20.7	11.8	38.5	27.6	27.1	42.2
Widowed, divorced, or separated	825	189	244	157	235	24.9	14.0	35.6	22.9	29.4	47.6
Single (never married)	3,075	940	985	554	596	18.2	10.8	40.4	30.6	24.4	37.4
Females, 16 years and over:											
Married, spouse present	2,026	688	646	315	378	15.5	9.6	42.5	33.9	21.8	34.2
Widowed, divorced, or separated	1,012	355	321	165	171	16.1	8.5	35.8	35.1	27.1	33.2
Single (never married)	580	583	452	322	224	15.5	9.4	44.2	36.9	23.1	34.5

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
	December 1982										
OCCUPATION											
White-collar workers	2,929	799	1,018	547	565	17.7	11.0	36.2	27.3	27.9	38.0
Professional and managerial	1,063	237	368	227	212	18.9	12.3	32.8	22.3	31.9	41.3
Sales workers	393	127	132	70	65	15.6	9.7	45.2	32.4	22.1	38.2
Clerical workers	1,473	434	499	251	289	17.3	10.4	36.4	29.5	26.4	36.6
Blue-collar workers	5,530	1,615	1,636	929	1,351	20.0	11.4	40.1	29.2	24.2	41.2
Craft and kindred workers	1,603	464	473	289	376	19.6	11.0	39.8	28.9	21.6	41.5
Operatives, except transport	2,224	638	620	398	568	20.2	12.3	40.4	28.7	24.4	43.4
Transport equipment operatives	499	159	165	46	129	20.3	10.3	39.3	31.9	29.2	35.0
Nonfarm laborers	1,204	353	377	197	277	20.3	11.1	40.2	29.3	25.4	39.4
Service workers	1,786	609	552	308	317	17.0	9.7	42.8	34.1	22.9	35.0
INDUSTRY¹											
Agriculture	345	185	102	38	21	8.8	4.7	48.8	53.6	10.4	16.9
Construction	1,184	390	383	181	229	17.6	9.1	42.1	33.0	21.3	34.7
Manufacturing	3,187	873	886	563	865	21.3	12.9	40.0	27.4	25.7	44.8
Durable goods	2,152	515	567	416	655	22.7	14.9	37.4	23.9	27.9	49.8
Non-durable goods	1,034	358	320	147	210	18.4	9.7	44.5	34.6	21.8	34.5
Transportation and public utilities	510	170	138	84	117	19.9	10.8	37.8	33.4	25.5	39.4
Wholesale and retail trade	2,234	678	755	369	432	17.3	10.2	40.3	30.4	22.4	35.8
Finance and service industries	2,374	695	791	441	448	17.8	10.9	38.0	29.3	28.6	37.4
Public administration	276	56	98	63	60	21.1	13.3	27.7	20.1	35.8	44.6
No previous work experience	1,120	441	303	219	157	16.0	8.7	44.3	39.4	27.9	33.6

¹ Includes wage and salary workers only.

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

[In thousands]

Industry and age	Total		Males		Females	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
	All industries	99,562	98,849	56,272	55,280	43,290	43,570
16 to 19 years	6,503	6,037	3,309	2,990	3,194	3,049
16 to 17 years	2,546	2,203	1,285	1,078	1,261	1,125
18 to 19 years	3,957	3,834	2,024	1,912	1,933	1,923
20 to 24 years	13,837	13,480	7,275	6,989	6,562	6,491
25 to 54 years	64,896	65,097	37,099	36,263	27,797	28,234
25 to 34 years	28,285	28,238	16,076	15,829	12,209	12,409
35 to 44 years	20,538	21,147	11,698	11,932	8,840	9,215
45 to 54 years	16,072	15,712	9,325	9,103	6,747	6,610
55 to 64 years	11,398	11,357	6,794	6,699	4,604	4,658
55 to 59 years	7,005	6,814	4,175	4,008	2,830	2,806
60 to 64 years	4,393	4,543	2,619	2,691	1,774	1,852
65 years and over	2,928	2,878	1,795	1,738	1,133	1,140
Nonagricultural industries	96,691	95,838	53,890	52,829	42,801	43,009
16 to 19 years	6,289	5,780	3,122	2,780	3,167	3,001
16 to 17 years	2,461	2,078	1,208	969	1,253	1,110
18 to 19 years	3,828	3,702	1,914	1,811	1,914	1,891
20 to 24 years	13,484	13,080	6,977	6,655	6,507	6,426
25 to 54 years	63,316	63,436	35,838	35,564	27,478	27,872
25 to 34 years	27,666	27,546	15,583	15,281	12,083	12,264
35 to 44 years	20,032	20,633	11,287	11,531	8,745	9,102
45 to 54 years	15,617	15,258	8,967	8,751	6,650	6,505
55 to 64 years	10,941	10,931	6,403	6,340	4,538	4,591
55 to 59 years	6,759	6,572	3,568	3,808	2,791	2,764
60 to 64 years	4,182	4,358	2,435	2,532	1,747	1,827
65 years and over	2,661	2,611	1,551	1,491	1,110	1,120
Agriculture	2,870	3,011	2,381	2,451	489	561
16 to 19 years	214	257	187	210	27	47
16 to 17 years	85	125	77	109	8	15
18 to 19 years	129	133	110	101	19	32
20 to 24 years	353	399	298	334	55	65
25 to 54 years	1,580	1,661	1,261	1,300	319	362
25 to 34 years	619	692	492	548	127	145
35 to 44 years	506	514	411	401	95	114
45 to 54 years	455	455	358	351	97	103
55 to 64 years	457	427	391	359	66	67
55 to 59 years	246	242	207	199	39	42
60 to 64 years	211	185	184	160	27	25
65 years and over	267	267	244	247	23	20

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. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
	TOTAL	99,562	98,849	52,962	52,290	40,096	40,522	3,309	2,990	3,194	3,048
White-collar workers	53,555	54,428	24,160	24,482	27,102	27,697	623	533	1,570	1,716
Professional and technical	17,032	17,453	9,239	9,377	7,631	7,954	78	49	93	73
Health workers	3,144	3,374	1,010	1,097	2,109	2,257	10	5	16	14
Teachers, except college	3,489	3,526	998	1,023	2,466	2,491	2	2	24	11
Other professional and technical	10,399	10,553	7,231	7,257	3,056	3,206	66	42	43	48
Managers and administrators, except farm	11,235	11,637	8,057	8,344	3,072	3,197	56	42	50	54
Salaried workers	9,419	9,730	6,677	6,889	2,642	2,751	53	38	45	53
Self-employed workers in retail trade	813	816	542	547	268	268	1	1	3	--
Self-employed workers, except retail trade	1,003	1,090	839	908	162	179	2	2	1	2
Sales workers	6,817	6,944	3,400	3,496	2,762	2,799	227	213	428	437
Retail trade	3,618	3,545	1,106	1,135	1,915	1,855	187	156	410	400
Other industries	3,199	3,398	2,293	2,361	847	944	40	57	19	37
Clerical workers	18,471	18,394	3,464	3,266	13,637	13,747	263	229	1,103	1,152
Stenographers, typists, and secretaries	4,826	4,913	79	75	4,518	4,591	3	1	225	246
Other clerical workers	13,645	13,481	3,385	3,191	9,119	9,156	260	228	983	906
Blue-collar workers	30,018	28,283	22,685	21,513	5,472	5,089	1,613	1,433	249	240
Craft and kindred workers	12,380	11,797	11,176	10,657	870	826	310	284	25	30
Carpenters	1,062	1,103	1,002	1,048	19	32	41	24	1	--
Construction craft workers, except carpenters	2,499	2,347	2,387	2,224	43	50	64	65	5	7
Mechanics and repairers	3,364	3,270	3,166	3,066	76	75	122	129	--	1
Metal craft workers	1,215	1,114	1,126	1,059	57	37	31	17	2	1
Blue-collar worker supervisors, not elsewhere classified	1,803	1,584	1,573	1,397	228	184	3	3	--	--
All other	2,437	2,379	1,923	1,864	446	448	50	46	17	21
Operatives, except transport	10,107	8,994	5,593	5,030	3,919	3,504	457	332	138	128
Durable goods manufacturing	4,361	3,647	2,698	2,231	1,486	1,303	135	83	41	31
Nondurable goods manufacturing	3,179	2,982	1,274	1,281	1,768	1,600	87	41	50	60
Other industries	2,567	2,364	1,621	1,518	665	600	233	209	47	36
Transport equipment operatives	3,399	3,306	2,971	2,862	304	294	115	137	9	13
Drivers, motor vehicles	2,902	2,888	2,520	2,479	274	269	100	126	8	13
All other	497	419	450	383	30	25	15	11	1	--
Nonfarm laborers	4,132	4,185	2,946	2,964	379	465	731	679	77	79
Construction	669	735	556	607	13	17	96	109	4	2
Manufacturing	871	780	678	594	110	133	79	54	4	--
Other industries	2,593	2,670	1,711	1,762	256	315	556	516	59	77
Service workers	13,649	13,710	4,267	4,418	7,209	7,383	914	858	1,259	1,051
Private household workers	1,186	1,070	37	14	882	823	11	6	256	226
Service workers, except private household	12,463	12,640	4,230	4,404	6,327	6,560	902	852	1,004	824
Food service workers	4,715	4,686	996	1,095	2,399	2,452	614	591	706	549
Protective service workers	1,522	1,571	1,348	1,363	144	173	25	26	4	9
All other	6,226	6,383	1,886	1,946	3,784	3,935	263	235	294	266
Farm workers	2,339	2,429	1,851	1,876	312	354	160	166	16	33
Farmers and farm managers	1,402	1,379	1,232	1,202	148	164	18	10	4	2
Farm laborers and supervisors	937	1,050	619	674	164	190	142	156	12	30
Paid workers	772	890	584	653	73	98	108	112	7	26
Unpaid family workers	165	160	35	21	91	91	34	44	5	4

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
TOTAL						
Total, 16 years and over (thousands)	99,562	98,849	56,272	55,280	43,290	45,570
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.8	55.1	44.0	45.3	66.5	67.5
Professional and technical	17.1	17.7	16.6	17.1	17.8	18.4
Managers and administrators, except farm	11.3	11.8	14.4	15.2	7.2	7.5
Sales workers	6.8	7.0	6.4	6.7	7.4	7.4
Clerical workers	18.6	18.6	6.6	6.3	34.1	34.2
Blue-collar workers	30.2	28.6	43.2	41.5	13.2	12.2
Craft and kindred workers	12.4	11.9	20.4	19.8	2.1	2.0
Operatives, except transport	10.2	9.1	10.8	9.7	9.4	8.3
Transport equipment operatives	3.4	3.3	5.5	5.4	.7	.7
Nonfarm laborers	4.2	4.2	6.5	6.6	1.1	1.2
Service workers	13.7	13.9	9.2	9.5	19.6	19.4
Private household workers	1.2	1.1	.1	(1)	2.6	2.4
Other service workers	12.5	12.8	9.1	9.5	16.9	16.9
Farm workers	2.3	2.5	3.6	3.7	.8	.9
Farmers and farm managers	1.4	1.4	2.2	2.2	.4	.4
Farm laborers and supervisors	.9	1.1	1.4	1.5	.4	.5
White						
Total, 16 years and over (thousands)	87,956	87,172	50,336	49,327	37,620	37,845
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	55.3	56.7	45.4	46.8	68.4	69.6
Professional and technical	17.5	18.0	17.0	17.4	18.2	18.8
Managers and administrators, except farm	12.0	12.6	15.2	16.1	7.7	8.0
Sales workers	7.3	7.5	6.8	7.2	7.9	8.0
Clerical workers	18.5	18.6	6.4	6.1	34.7	34.8
Blue-collar workers	29.7	28.1	42.5	40.7	12.6	11.7
Craft and kindred workers	12.9	12.3	21.0	20.2	2.2	2.0
Operatives, except transport	9.6	8.6	10.3	9.3	8.7	7.7
Transport equipment operatives	3.3	3.3	5.2	5.2	.7	.7
Nonfarm laborers	3.9	3.9	6.0	6.0	1.1	1.2
Service workers	12.5	12.6	8.4	8.6	18.1	17.8
Private household workers	1.0	.9	.1	(1)	2.1	2.0
Other service workers	11.6	11.7	8.3	8.6	16.0	15.8
Farm workers	2.5	2.6	3.7	3.8	.8	.9
Farmers and farm managers	1.6	1.6	2.4	2.4	.4	.4
Farm laborers and supervisors	.9	1.0	1.3	1.4	.4	.5
Black and other						
Total, 16 years and over (thousands)	11,605	11,677	5,935	5,953	5,670	5,724
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	42.7	42.7	32.4	32.3	53.4	53.5
Professional and technical	14.3	14.7	13.1	13.8	15.4	15.7
Managers and administrators, except farm	5.9	5.8	7.5	7.4	4.2	4.2
Sales workers	3.5	3.4	3.2	3.0	3.8	3.7
Clerical workers	19.0	18.8	8.6	8.1	29.9	29.9
Blue-collar workers	33.4	32.2	48.8	47.8	17.2	16.1
Craft and kindred workers	8.8	9.0	15.7	16.1	1.5	1.5
Operatives, except transport	14.1	12.6	14.2	12.7	14.1	12.6
Transport equipment operatives	4.3	4.1	7.8	7.3	.6	.7
Nonfarm laborers	6.2	6.6	11.1	11.6	1.0	1.3
Service workers	22.5	23.5	16.2	17.4	29.1	29.9
Private household workers	2.9	2.7	.2	.1	5.8	5.4
Other service workers	19.6	20.8	16.0	17.3	23.3	24.4
Farm workers	1.4	1.6	2.5	2.6	.3	.6
Farmers and farm managers	.3	.2	.5	.3	.1	.1
Farm laborers and supervisors	1.1	1.4	2.0	2.2	.2	.5

¹ Less than 0.05 percent.

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

[in thousands]

Age and sex	December 1982								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,179	1,176	15,695	71,307	7,314	345	1,303	1,539	170
16 to 19 years	5,652	268	359	5,025	104	24	184	24	49
16 to 17 years	2,010	192	114	1,704	56	12	79	11	35
18 to 19 years	3,642	77	245	3,321	48	12	106	12	15
20 to 24 years	12,693	119	1,316	11,258	368	20	284	30	24
25 to 34 years	25,745	155	4,464	21,126	1,744	57	374	30	19
35 to 44 years	18,642	163	3,985	14,493	1,884	107	193	294	27
45 to 54 years	13,731	163	3,139	10,429	1,461	66	141	295	19
55 to 64 years	9,671	211	2,087	7,373	1,206	54	85	317	24
55 to 59 years	5,878	92	1,311	4,475	667	28	64	161	17
60 to 64 years	3,792	119	775	2,898	540	26	21	157	7
65 years and over	2,046	98	345	1,602	548	18	42	218	8
Males, 16 years and over	47,803	118	7,624	40,060	4,994	32	1,051	1,334	65
16 to 19 years	2,706	37	143	2,526	57	16	143	21	45
16 to 17 years	930	27	52	851	31	8	65	12	33
18 to 19 years	1,777	10	91	1,675	26	9	78	10	13
20 to 24 years	6,414	20	585	5,809	233	7	241	79	14
25 to 34 years	14,109	13	2,096	12,000	1,169	3	293	253	1
35 to 44 years	10,273	7	1,937	8,330	1,258	1	153	246	1
45 to 54 years	7,711	7	1,639	6,065	1,037	3	110	241	--
55 to 64 years	5,475	19	1,048	4,408	863	2	73	284	2
55 to 59 years	3,312	6	647	2,659	495	1	56	141	3
60 to 64 years	2,163	13	401	1,749	368	1	17	143	--
65 years and over	1,114	15	177	922	376	1	38	207	2
Females, 16 years and over	40,376	1,058	8,071	31,247	2,320	313	252	205	104
16 to 19 years	2,946	231	216	2,499	47	8	41	2	4
16 to 17 years	1,081	165	63	854	24	5	13	--	2
18 to 19 years	1,865	66	153	1,646	23	3	27	2	2
20 to 24 years	6,279	99	732	5,449	135	12	44	11	10
25 to 34 years	11,636	142	2,367	9,126	574	54	81	47	17
35 to 44 years	8,369	157	2,049	6,164	626	106	40	48	25
45 to 54 years	6,020	155	1,500	4,364	423	63	31	54	19
55 to 64 years	4,196	192	1,039	2,965	343	52	12	33	22
55 to 59 years	2,566	86	665	1,815	172	26	8	20	15
60 to 64 years	1,629	106	374	1,150	172	26	4	13	8
65 years and over	931	83	169	680	172	17	4	11	6

A-24. Employed persons by industry and occupation

[in thousands]

Industry	December 1982											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,011	85	37	9	81	65	16	19	264	--	5	2,409
Mining	929	187	107	4	112	211	247	35	16	--	10	--
Construction	5,598	200	821	27	391	2,993	250	149	735	--	32	--
Manufacturing	19,548	2,656	1,690	513	2,565	3,667	6,630	617	780	--	330	--
Durable goods	11,470	1,829	992	188	1,470	2,356	3,647	286	472	--	230	--
Nondurable goods	8,078	827	699	325	1,095	1,311	2,982	331	308	--	200	--
Transportation and public utilities	6,427	705	721	81	1,363	1,307	131	1,486	437	--	106	--
Wholesale and retail trade	21,176	526	4,014	4,616	3,907	1,436	872	715	1,277	--	3,313	--
Wholesale trade	4,072	178	825	1,070	851	353	156	346	259	--	34	--
Retail trade	17,104	348	3,189	3,545	3,056	1,083	716	369	1,018	--	3,779	--
Finance, insurance, and real estate	6,362	426	1,238	1,413	2,768	149	12	6	63	--	203	--
Services	30,688	11,656	2,367	279	5,457	1,636	793	227	480	1,070	6,725	--
Private households	1,234	10	--	--	13	5	--	4	97	1,070	37	--
Other service industries	29,454	11,646	2,367	278	5,444	1,631	793	223	383	--	6,588	--
Public administration	5,110	1,012	643	3	1,749	333	44	53	133	--	1,140	--

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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 ¹			
	Dec. 1981				Dec. 1982		Paid absences ²		Unpaid absences^{2}
			Dec. 1981	Dec. 1982			Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982
Total, 16 years and over	3,495	3,633	3,356	3,461	1,414	1,493	1,465	1,410
Vacation	1,030	1,171	1,003	1,146	714	776	211	245
Illness	1,321	1,268	1,277	1,234	521	506	637	608
Bad weather	126	184	105	121	--	--	--	--
Industrial dispute	16	41	14	41	--	--	--	--
All other reasons	1,003	969	957	919	179	212	617	556
Males, 16 years and over	1,570	2,061	1,851	1,905	824	878	709	668
Vacation	610	734	588	713	447	516	100	119
Illness	724	690	689	657	284	285	329	301
All other reasons ³	636	636	574	535	94	78	280	248
Females, 16 years and over	1,525	1,572	1,505	1,556	589	616	757	742
Vacation	419	437	414	432	266	260	111	126
Illness	596	578	589	577	237	222	308	307
All other reasons ³	509	558	502	546	85	134	338	309

¹ Excludes private household workers.

³ Includes bad weather and industrial dispute, not shown separately.

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

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

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

Hours of work	December 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	95,216	92,377	2,839	100.0	100.0	100.0
1-34 hours	24,674	23,678	996	25.9	25.6	35.1
1-4 hours	853	803	50	.9	.9	1.8
5-14 hours	4,599	4,354	245	4.8	4.7	8.6
15-29 hours	12,199	11,712	487	12.8	12.7	17.1
30-34 hours	7,023	6,809	214	7.4	7.4	7.5
35 hours and over	70,542	68,699	1,844	74.1	74.4	64.9
35-39 hours	6,936	6,821	115	7.3	7.4	4.0
40 hours	40,656	40,155	501	42.7	43.5	17.6
41 hours and over	22,950	21,723	1,228	24.1	23.5	43.2
41 to 48 hours	8,739	8,530	209	9.2	9.2	7.4
49 to 59 hours	8,177	7,787	391	8.6	8.4	13.8
60 hours and over	6,034	5,406	628	6.3	5.9	22.1
Average hours, total at work	38.0	37.9	41.0	--	--	--
Average hours, workers on full-time schedules	42.9	42.7	49.3	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	December 1982					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	24,674	6,734	17,940	23,678	6,313	17,366
Economic reasons	6,472	2,273	4,199	6,154	2,100	4,054
Slack work	3,444	2,035	1,409	3,210	1,866	1,344
Material shortages or repairs to plant and equipment	41	41	--	39	39	--
New job started during week	124	124	--	123	123	--
Job terminated during week	74	74	--	72	72	--
Could find only part-time work	2,790	--	2,790	2,710	--	2,710
Other reasons	18,204	4,461	13,741	17,525	4,213	13,312
Does not want, or unavailable for, full-time work	11,436	--	11,436	11,120	--	11,120
Vacation	989	989	--	983	983	--
Illness	1,709	1,571	138	1,670	1,541	129
Bad weather	569	569	--	418	418	--
Industrial dispute	9	9	--	9	9	--
Legal or religious holiday	65	65	--	65	65	--
Full time for this job	1,598	--	1,598	1,550	--	1,550
All other reasons	1,826	1,258	568	1,708	1,196	512
Average hours:						
Economic reasons	21.8	24.7	20.3	22.0	25.0	20.4
Other reasons	20.8	27.0	18.8	20.8	27.3	18.9
Worked 30 to 34 hours:						
Economic reasons	2,027	1,085	942	1,949	1,023	926
Other reasons	4,996	2,612	2,384	4,860	2,525	2,335

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

[Numbers in thousands]

Industry	December 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over ¹	92,377	6,154	13,312	72,911	51,188	8,530	13,193	37.9	42.7	
Wage and salary workers	85,233	5,404	12,001	67,828	48,763	8,037	11,028	37.8	42.4	
Construction	4,294	424	193	3,677	2,847	345	485	38.0	41.0	
Manufacturing	18,521	991	616	16,914	12,550	2,142	2,222	40.3	41.9	
Durable goods	10,875	480	238	10,157	7,555	1,248	1,354	40.6	41.9	
Nondurable goods	7,645	511	378	6,756	4,994	894	868	39.7	41.9	
Transportation and public utilities	5,731	283	389	5,059	3,542	616	901	40.3	42.8	
Wholesale and retail trade	18,532	1,739	4,417	12,376	7,751	1,890	2,735	35.9	43.6	
Finance, insurance, and real estate	5,660	141	458	5,061	3,850	486	725	39.3	41.5	
Service industries	26,707	1,704	5,625	19,378	14,136	1,951	3,291	35.9	42.4	
Private households	1,134	222	576	336	233	35	68	22.5	43.3	
All other industries	25,573	1,482	5,049	19,042	13,903	1,916	3,223	36.9	42.4	
Public administration	4,953	81	278	4,554	3,606	501	487	39.8	41.5	
Self-employed workers	6,799	729	1,164	4,906	2,331	479	2,096	39.6	47.9	
Unpaid family workers	345	21	147	177	94	14	69	35.9	48.4	

¹ Includes mining, not shown separately.

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

[Numbers in thousands]

Sex, age, race, and marital status	December 1982							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	92,377	6,154	13,312	72,911	51,188	21,723	37.9	42.7
16 to 21 years	10,164	1,169	4,380	4,615	3,623	992	27.9	40.7
16 to 19 years	5,642	660	3,240	1,742	1,401	341	23.9	40.3
16 to 17 years	2,022	118	1,785	119	103	16	15.6	35.7
18 to 19 years	3,620	543	1,455	1,622	1,296	326	28.5	40.6
20 years and over	86,735	5,493	10,072	71,170	49,789	21,381	38.8	42.8
20 to 24 years	12,689	1,204	2,166	5,319	6,910	2,409	36.0	41.7
25 years and over	74,047	4,289	7,906	61,852	42,880	18,972	39.3	42.9
25 to 44 years	46,595	2,859	4,169	39,567	27,071	12,496	39.8	43.1
45 to 64 years	25,022	1,295	2,589	21,138	14,966	6,172	39.4	42.8
65 years and over	2,430	135	1,148	1,147	843	304	29.1	42.2
Males, 16 years and over	50,924	2,882	3,838	44,204	28,207	15,997	40.8	44.0
16 to 21 years	4,930	568	1,926	2,436	1,790	646	29.7	41.8
16 to 19 years	2,693	313	1,444	936	713	223	25.4	41.1
16 to 17 years	937	60	801	76	65	11	16.5	35.3
18 to 19 years	1,756	253	643	860	647	213	30.2	41.6
20 years and over	48,231	2,569	2,394	43,268	27,493	15,775	41.7	44.1
20 to 24 years	6,481	576	875	5,030	3,377	1,653	37.7	42.8
25 years and over	41,751	1,995	1,519	38,237	24,116	14,121	42.3	44.3
25 to 44 years	25,986	1,337	535	24,114	14,939	9,175	42.9	44.5
45 to 64 years	14,373	595	400	13,378	8,663	4,715	42.4	44.0
65 years and over	1,392	61	585	746	514	232	31.1	43.0
Females, 16 years and over	41,453	3,271	9,474	28,708	22,983	5,725	34.3	40.8
16 to 21 years	5,235	602	2,454	2,179	1,833	346	26.3	39.5
16 to 19 years	2,949	347	1,796	806	688	118	22.4	39.4
16 to 17 years	1,086	58	984	44	38	6	14.8	36.3
18 to 19 years	1,863	289	812	762	649	113	26.9	39.5
20 years and over	38,504	2,924	7,678	27,902	22,294	5,608	35.2	40.8
20 to 24 years	6,208	628	1,292	4,288	3,532	756	34.1	40.5
25 years and over	32,296	2,295	6,387	23,614	18,764	4,850	35.5	40.9
25 to 44 years	20,608	1,523	3,634	15,451	12,130	3,321	36.0	41.0
45 to 64 years	10,649	700	2,189	7,760	6,302	1,458	35.3	40.7
65 years and over	1,038	75	563	400	328	72	26.3	40.8
RACE								
White	81,435	5,121	12,201	64,113	43,957	20,156	38.0	43.0
Males	45,413	2,427	3,503	39,483	24,503	14,980	41.1	44.3
Females	36,022	2,695	8,698	24,629	19,454	5,175	34.2	40.9
Black and other	10,942	1,033	1,111	8,798	7,231	1,567	37.1	41.2
Males	5,511	455	335	4,721	3,704	1,017	38.9	42.0
Females	5,431	578	775	4,078	3,527	551	35.3	40.3
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,405	1,436	1,110	31,859	19,778	12,081	42.6	44.3
Widowed, divorced, or separated	4,457	335	175	3,947	2,553	1,394	41.4	44.1
Single (never married)	12,062	1,111	2,553	8,398	5,874	2,524	35.5	42.8
Females, 16 years and over:								
Married, spouse present	23,050	1,723	5,460	15,867	12,875	2,992	34.3	40.6
Widowed, divorced, or separated	8,052	642	1,081	6,329	4,907	1,422	37.0	41.4
Single (never married)	10,351	906	2,933	6,512	5,202	1,310	32.2	40.7

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

[Numbers in thousands]

Occupation and sex	December 1982								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	92,926	6,224	13,402	73,300	51,404	8,571	13,325	37.9	42.7
White-collar workers	52,796	2,118	7,555	43,123	29,020	4,898	9,205	38.9	43.2
Professional and technical	16,954	481	2,008	14,465	9,637	1,639	3,189	39.8	43.4
Managers and administrators, except farm	11,292	246	511	10,535	5,203	1,426	3,906	45.0	46.7
Sales workers	6,680	488	1,613	4,579	2,740	566	1,273	36.0	44.0
Clerical workers	17,870	903	3,423	13,544	11,440	1,267	837	35.2	40.0
Blue-collar workers	26,953	2,424	1,887	22,642	16,619	2,840	3,183	38.8	42.1
Craft and kindred workers	11,268	718	383	10,167	7,272	1,278	1,617	40.4	42.4
Operatives, except transport	8,629	863	510	7,256	5,701	857	698	38.4	41.4
Transport equipment operatives	3,108	310	299	2,499	1,493	385	621	39.9	44.6
Nonfarm laborers	3,948	533	695	2,720	2,155	320	245	33.8	40.8
Service workers	13,177	1,682	3,960	7,535	5,765	833	937	32.2	42.1
Private household	1,039	185	531	323	229	31	63	22.9	42.8
Other service workers	12,138	1,496	3,430	7,212	5,538	801	873	33.0	42.0
Males, 16 years and over	51,299	2,931	3,884	44,484	28,358	5,669	10,457	40.8	46.0
White-collar workers	24,379	654	1,521	22,204	12,463	2,779	6,962	43.1	45.4
Professional and technical	9,197	199	493	8,505	5,230	935	2,340	42.7	44.7
Managers and administrators, except farm	8,176	157	198	7,821	3,524	1,033	3,264	46.4	47.6
Sales workers	3,607	146	426	3,035	1,559	415	1,061	41.3	45.6
Clerical workers	3,398	151	404	2,843	2,150	396	297	37.9	41.6
Blue-collar workers	21,840	1,812	1,329	18,699	13,350	2,417	2,932	39.4	42.5
Craft and kindred workers	10,440	652	274	9,514	6,780	1,188	1,546	40.7	42.5
Operatives, except transport	5,155	423	293	4,439	3,321	574	544	39.4	42.1
Transport equipment operatives	2,811	266	180	2,365	1,385	369	611	41.1	44.9
Nonfarm laborers	3,434	470	582	2,382	1,867	285	230	34.1	41.0
Service workers	5,080	465	1,034	3,581	2,545	473	563	36.0	43.1
Private household	20	8	5	7	4	--	3	23.6	47.3
Other service workers	5,060	457	1,030	3,573	2,540	473	560	36.1	43.1
Females, 16 years and over	41,626	3,293	9,518	28,815	23,045	2,903	2,867	34.3	40.8
White-collar workers	28,416	1,464	6,034	20,918	16,555	2,119	2,244	35.3	40.9
Professional and technical	7,757	282	1,515	5,960	4,405	705	850	36.4	41.7
Managers and administrators, except farm	3,115	89	314	2,712	1,677	393	642	41.4	44.3
Sales workers	3,073	341	1,186	1,546	1,183	151	212	29.7	40.7
Clerical workers	14,471	752	3,019	10,700	9,290	870	540	34.6	39.6
Blue-collar workers	5,113	612	558	3,943	3,269	424	250	35.9	40.2
Craft and kindred workers	828	66	108	654	493	90	71	36.8	41.0
Operatives, except transport	3,474	439	218	2,817	2,379	283	155	37.0	40.2
Transport equipment operatives	296	43	119	134	109	15	10	28.6	39.3
Nonfarm laborers	514	63	113	338	288	35	15	31.9	39.4
Service workers	8,097	1,217	2,926	3,954	3,221	360	373	29.9	41.1
Private household	1,019	177	526	316	225	31	60	22.9	42.7
Other service workers	7,078	1,039	2,400	3,638	2,998	328	313	30.9	41.0

HOUSEHOLD DATA

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

(Numbers in thousands)

Employment status	December 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,155	3,643	3,512	5,923	3,040	2,883	1,232	603	630
Civilian labor force	981	464	517	939	448	491	42	16	25
Employed	868	402	467	842	393	449	26	8	19
Agriculture	68	52	15	67	52	15	1	1	--
Nonagricultural industries	801	349	451	775	342	433	26	8	13
Unemployed	112	63	50	97	55	42	16	8	8
Unemployment rate	11.4	13.6	9.7	10.3	12.3	8.6	(1)	(1)	(1)
Not in labor force	6,174	3,179	2,995	4,984	2,592	2,392	1,190	586	604
Keeping house	40	11	29	37	9	28	3	2	1
Going to school	6,049	3,128	2,921	4,876	2,546	2,331	1,173	583	590
Unable to work	--	--	--	--	1	--	--	--	--
All other reasons	86	39	47	71	37	34	15	2	13

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

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

Class of worker and occupation	December 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	868	402	467	100.0	100.0	100.0
Nonagricultural industries	801	349	451	92.3	86.6	96.6
Wage and salary workers	705	282	423	81.2	70.0	90.6
Private household workers	346	46	301	39.9	11.4	64.5
Government workers	18	9	8	2.1	2.2	1.7
Other wage and salary workers	341	227	114	39.3	56.3	24.4
Self-employed workers	92	64	28	10.6	15.9	6.0
Unpaid family workers	4	4	--	.5	1.0	--
Agriculture	68	52	15	7.8	12.9	3.2
Wage and salary workers	34	26	9	3.9	6.5	1.9
Self-employed workers	5	5	--	.6	1.2	--
Unpaid family workers	28	22	7	3.2	5.5	1.5
OCCUPATION						
Total	868	402	467	100.0	100.0	100.0
White-collar workers	246	168	78	28.2	41.6	15.7
Professional and technical	5	--	5	.6	--	1.1
Managers and administrators, except farm	--	--	--	--	--	--
Sales workers	203	152	51	23.3	37.6	10.9
Clerical workers	41	18	22	4.7	4.5	4.7
Blue-collar workers	98	82	16	11.3	20.3	3.4
Craft and kindred workers	9	7	1	1.0	1.7	.2
Operatives, except transport	16	12	5	1.8	3.0	1.1
Transport equipment operatives	4	1	3	.5	.2	.6
Nonfarm laborers	69	62	7	7.9	15.3	1.5
Service workers	462	104	358	53.0	25.7	76.5
Private household workers	327	29	298	37.5	7.2	63.7
Other service workers	135	75	61	15.5	18.6	13.0
Farm workers	63	48	15	7.2	11.9	3.2
Farmers and farm managers	--	1	--	--	.2	--
Farm laborers and supervisors	62	47	15	7.1	11.6	3.2

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Employment status, sex, and age	1981	1982												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
TOTAL														
Total noninstitutional population ¹	173,330	173,455	173,657	173,843	174,020	174,201	174,364	174,544	174,707	174,889	175,069	175,238	175,390	
Armed Forces ¹	2,164	2,159	2,168	2,175	2,176	2,175	2,173	2,180	2,196	2,198	2,188	2,180	2,187	
Civilian noninstitutional population ¹	171,166	171,335	171,489	171,667	171,844	172,026	172,190	172,364	172,511	172,690	172,881	173,058	173,199	
Civilian labor force	109,066	109,034	109,364	109,478	109,740	110,378	110,147	110,416	110,614	110,858	110,752	111,342	111,129	
Percent of civilian population	63.7	63.6	63.8	63.8	63.9	64.2	64.0	64.1	64.1	64.2	64.1	64.2	64.2	
Employed	99,677	99,688	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,135	99,093	
Percent of total population	57.5	57.5	57.4	57.3	57.2	57.4	57.2	57.1	57.1	56.9	56.6	56.5	56.5	
Agriculture	3,219	3,379	3,367	3,367	3,356	3,446	3,371	3,445	3,429	3,363	3,413	3,466	3,411	
Nonagricultural industries	96,458	96,309	96,328	96,230	96,128	96,548	96,310	96,143	96,254	96,180	95,763	95,573	95,682	
Unemployed	9,389	9,346	9,669	9,881	10,256	10,384	10,466	10,828	10,931	11,315	11,576	11,305	12,038	
Unemployment rate	8.6	8.6	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8	
Not in labor force	62,100	62,301	62,125	62,189	62,104	61,648	62,043	61,948	61,897	61,832	62,129	62,015	62,070	
Males, 20 years and over														
Total noninstitutional population ¹	74,714	74,810	74,906	75,015	75,121	75,227	75,323	75,429	75,531	75,640	75,749	75,852	75,955	
Civilian noninstitutional population ¹	73,020	73,120	73,209	73,287	73,392	73,499	73,585	73,685	73,774	73,867	73,984	74,094	74,236	
Civilian labor force	57,535	57,461	57,581	57,633	57,794	58,008	57,959	58,055	58,064	58,354	58,363	58,454	58,443	
Percent of civilian population	78.8	78.6	78.7	78.6	78.7	78.9	78.8	78.8	78.7	79.0	78.9	78.9	78.7	
Employed	53,168	53,099	53,130	53,026	53,024	53,190	52,943	52,905	52,832	52,776	52,649	52,589	52,534	
Percent of total population	71.2	71.0	70.9	70.7	70.6	70.7	70.3	70.1	69.9	69.8	69.5	69.3	69.1	
Agriculture	2,330	2,386	2,388	2,392	2,417	2,446	2,424	2,462	2,433	2,436	2,444	2,434	2,399	
Nonagricultural industries	50,838	50,713	50,742	50,634	50,607	50,744	50,519	50,443	50,399	50,340	50,205	50,155	50,145	
Unemployed	4,367	4,362	4,451	4,607	4,770	4,818	5,016	5,150	5,232	5,578	5,714	5,865	5,900	
Unemployment rate	7.6	7.6	7.7	8.0	8.3	8.3	8.7	8.9	9.0	9.6	9.8	10.3	10.1	
Not in labor force	15,485	15,659	15,628	15,654	15,598	15,491	15,626	15,630	15,710	15,513	15,621	15,640	15,793	
Females, 20 years and over														
Total noninstitutional population ¹	82,306	82,415	82,523	82,640	82,753	82,868	82,976	83,091	83,201	83,320	83,438	83,551	83,540	
Civilian noninstitutional population ¹	82,151	82,260	82,367	82,478	82,591	82,707	82,811	82,926	83,035	83,152	83,271	83,395	83,383	
Civilian labor force	42,911	42,926	43,111	43,285	43,355	43,632	43,819	43,983	44,039	43,996	43,936	44,112	44,286	
Percent of civilian population	52.2	52.2	52.3	52.5	52.5	52.8	52.9	53.0	53.0	52.9	52.8	52.9	53.1	
Employed	39,737	39,817	39,825	39,883	39,827	40,064	40,254	40,311	40,368	40,286	40,112	40,123	40,215	
Percent of total population	48.3	48.3	48.3	48.3	48.1	48.3	48.5	48.5	48.5	48.4	48.1	48.1	48.1	
Agriculture	565	626	620	625	600	614	586	598	590	588	578	590	528	
Nonagricultural industries	39,172	39,191	39,205	39,258	39,227	39,450	39,668	39,713	39,778	39,698	39,534	39,533	39,587	
Unemployed	3,174	3,109	3,286	3,402	3,528	3,568	3,565	3,672	3,671	3,710	3,824	3,993	4,071	
Unemployment rate	7.4	7.2	7.6	7.9	8.1	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.2	
Not in labor force	39,240	39,334	39,256	39,193	39,236	39,075	38,992	38,943	38,996	39,156	39,335	39,273	39,097	
Both sexes, 16-19 years														
Total noninstitutional population ¹	16,310	16,269	16,228	16,188	16,146	16,106	16,065	16,024	15,976	15,929	15,882	15,935	15,836	
Civilian noninstitutional population ¹	15,995	15,955	15,913	15,902	15,861	15,820	15,794	15,753	15,702	15,671	15,625	15,579	15,580	
Civilian labor force	8,620	8,647	8,672	8,560	8,591	8,738	8,369	8,378	8,511	8,508	8,453	8,475	8,400	
Percent of civilian population	53.9	54.2	54.5	53.8	54.2	55.2	53.0	53.2	54.2	54.3	54.1	54.4	53.9	
Employed	6,772	6,772	6,740	6,688	6,633	6,740	6,484	6,372	6,483	6,481	6,415	6,424	6,344	
Percent of total population	41.5	41.6	41.5	41.3	41.1	41.8	40.4	39.8	40.6	40.7	40.4	40.5	40.1	
Agriculture	324	367	359	350	339	386	361	385	406	339	391	442	394	
Nonagricultural industries	6,448	6,405	6,381	6,338	6,294	6,354	6,123	5,987	6,077	6,142	6,124	6,082	5,950	
Unemployed	1,848	1,875	1,932	1,872	1,958	1,998	1,885	2,006	2,028	2,027	2,038	2,052	2,056	
Unemployment rate	21.4	21.7	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5	
Not in labor force	7,375	7,308	7,241	7,342	7,270	7,082	7,425	7,375	7,191	7,163	7,172	7,103	7,180	

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-42 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Full- and part-time status	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	93,729	93,231	93,604	93,893	93,917	94,478	94,020	94,430	94,471	94,703	94,859	95,102	95,284
Employed	85,739	85,409	85,604	85,547	85,342	85,789	85,142	85,394	85,262	85,081	84,917	84,975	84,999
Unemployed	7,990	7,822	8,000	8,346	8,575	8,689	8,878	9,036	9,209	9,622	9,942	10,127	10,285
Unemployment rate	8.5	8.4	8.5	8.9	9.1	9.2	9.4	9.6	9.7	10.2	10.5	10.6	10.8
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,431	15,793	15,669	15,607	15,854	15,902	16,136	16,189	16,173	16,164	15,839	15,924	15,907
Employed	14,026	14,265	14,038	14,051	14,142	14,237	14,520	14,383	14,493	14,451	14,200	14,130	14,140
Unemployed	1,405	1,528	1,631	1,556	1,712	1,665	1,616	1,806	1,680	1,713	1,639	1,794	1,767
Unemployment rate	9.1	9.7	10.4	10.0	10.8	10.5	10.0	11.2	10.4	10.6	10.3	11.3	11.1

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.

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

[Numbers in thousands]

Race, sex, and age	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
WHITE													
Total, 16 years and over:													
Civilian labor force	55,448	55,289	55,459	55,602	55,941	56,405	56,165	56,385	56,375	56,640	56,453	56,719	56,864
Employed	48,153	48,078	48,080	48,033	48,011	48,350	48,089	48,021	47,979	47,872	47,477	47,435	47,443
Unemployed	7,295	7,211	7,379	7,569	7,930	8,055	8,076	8,364	8,396	8,768	8,976	9,284	9,421
Unemployment rate	7.6	7.6	7.7	7.9	8.3	8.4	8.4	8.7	8.7	9.1	9.3	9.6	9.7
Males, 20 years and over:													
Civilian labor force	51,014	50,810	50,900	50,958	51,109	51,300	51,213	51,252	51,260	51,517	51,499	51,531	51,562
Employed	47,531	47,455	47,471	47,387	47,382	47,474	47,268	47,194	47,142	47,100	46,987	46,837	46,823
Unemployed	3,483	3,355	3,429	3,571	3,727	3,826	3,945	4,058	4,118	4,417	4,512	4,694	4,739
Unemployment rate	6.8	6.6	6.7	7.0	7.3	7.5	7.7	7.9	8.0	8.6	8.8	9.1	9.2
Females, 20 years and over:													
Civilian labor force	36,787	36,806	36,906	37,058	37,169	37,373	37,529	37,750	37,658	37,676	37,532	37,762	37,934
Employed	34,430	34,440	34,467	34,520	34,531	34,680	34,857	34,986	34,929	34,865	34,663	34,749	34,847
Unemployed	2,357	2,366	2,439	2,538	2,638	2,693	2,672	2,764	2,729	2,811	2,869	3,013	3,087
Unemployment rate	6.4	6.4	6.6	6.8	7.1	7.2	7.1	7.3	7.2	7.5	7.6	8.0	8.1
Both sexes, 16 to 19 years:													
Civilian labor force	7,647	7,673	7,653	7,586	7,663	7,732	7,423	7,383	7,457	7,447	7,422	7,426	7,368
Employed	6,192	6,183	6,142	6,126	6,098	6,196	5,964	5,841	5,908	5,907	5,827	5,849	5,773
Unemployed	1,455	1,490	1,511	1,460	1,565	1,536	1,459	1,542	1,549	1,540	1,595	1,577	1,595
Unemployment rate	19.0	19.4	19.7	19.2	20.4	19.9	19.7	20.9	20.8	20.7	21.5	21.2	21.6
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	13,750	13,758	13,847	13,839	13,799	14,060	13,960	14,047	14,197	14,259	14,289	14,315	14,376
Employed	11,597	11,623	11,634	11,547	11,484	11,662	11,567	11,601	11,685	11,685	11,657	11,668	11,674
Unemployed	2,153	2,135	2,213	2,292	2,315	2,398	2,393	2,446	2,512	2,574	2,632	2,647	2,702
Unemployment rate	15.7	15.5	16.0	16.6	16.8	17.1	17.1	17.4	17.7	18.1	18.4	18.5	18.8
Males, 20 years and over:													
Civilian labor force	6,595	6,614	6,645	6,639	6,693	6,742	6,758	6,791	6,803	6,870	6,893	6,953	6,978
Employed	5,643	5,646	5,676	5,637	5,667	5,697	5,680	5,708	5,695	5,679	5,653	5,749	5,708
Unemployed	952	968	969	1,002	1,026	1,045	1,078	1,083	1,108	1,191	1,240	1,214	1,270
Unemployment rate	14.4	14.6	14.6	15.1	15.3	15.5	16.0	15.9	16.3	17.3	18.0	17.4	18.2
Females, 20 years and over:													
Civilian labor force	6,160	6,157	6,176	6,205	6,157	6,306	6,272	6,261	6,341	6,340	6,359	6,329	6,372
Employed	5,351	5,370	5,346	5,339	5,271	5,407	5,383	5,360	5,437	5,425	5,414	5,354	5,400
Unemployed	809	787	830	866	886	899	889	901	904	915	945	975	972
Unemployment rate	13.1	12.8	13.4	14.0	14.4	14.3	14.2	14.4	14.3	14.4	14.9	15.2	15.3
Both sexes, 16 to 19 years:													
Civilian labor force	995	987	1,026	995	949	1,012	930	995	1,053	1,049	1,037	1,023	1,026
Employed	603	607	612	571	546	558	504	533	553	581	593	555	566
Unemployed	392	380	414	424	403	454	426	462	500	468	447	468	460
Unemployment rate	39.4	38.5	40.4	42.6	42.5	44.9	45.8	46.4	47.5	44.6	43.1	45.7	44.8

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total (all civilian workers)	8.6	8.6	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8
Males, 20 years and over	7.6	7.6	7.7	8.0	8.3	8.3	8.7	8.9	9.0	9.6	9.8	10.0	10.1
Females, 20 years and over	7.4	7.2	7.6	7.9	8.1	8.2	8.1	8.3	8.3	8.4	8.7	9.0	9.7
Both sexes, 16-19 years	21.4	21.7	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5
White	7.6	7.6	7.7	7.9	8.3	8.4	8.4	8.7	8.7	9.1	9.3	9.6	9.7
Black and other	15.7	15.5	16.0	16.6	16.8	17.1	17.1	17.4	17.7	18.1	18.4	18.5	18.9
Married men, spouse present	5.6	5.3	5.4	5.6	6.0	6.1	6.4	6.6	6.8	7.2	7.5	7.6	7.8
Married women, spouse present	6.6	6.3	6.9	7.0	7.6	7.3	7.1	7.4	7.3	7.6	7.9	8.2	8.2
Women who maintain families	10.3	10.4	10.4	10.8	11.5	11.9	12.1	12.0	11.7	12.4	11.3	12.5	13.2
Full-time workers	8.5	8.4	8.5	8.9	9.1	9.2	9.4	9.6	9.7	10.2	10.5	10.6	10.8
Part-time workers	9.1	9.7	10.4	10.0	10.8	10.5	10.0	11.2	10.4	10.6	10.3	11.3	11.1
Unemployed 15 weeks and over ¹	2.2	2.2	2.5	2.7	2.8	3.0	3.2	3.2	3.3	3.5	3.8	4.1	4.3
Labor force time lost ²	10.1	9.9	9.9	10.3	10.4	10.7	10.4	10.7	10.9	11.7	12.0	12.4	12.7
OCCUPATION													
White-collar workers	4.5	4.3	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.9	5.2	5.5	5.6
Professional and technical	3.3	2.9	3.1	3.2	3.2	3.3	3.3	3.3	3.2	3.3	3.5	3.7	3.7
Managers and administrators, except farm	3.0	2.9	3.1	3.0	3.3	3.4	3.7	3.6	3.7	3.6	3.6	3.9	4.0
Sales workers	4.9	4.7	4.9	5.5	5.5	5.3	5.7	5.4	5.6	5.6	6.1	6.3	6.4
Clerical workers	6.2	6.3	6.6	6.7	7.0	6.7	6.9	6.9	6.9	6.9	7.2	7.8	8.0
Blue-collar workers	12.6	12.4	12.5	13.0	13.5	13.6	14.0	14.4	14.4	15.5	15.8	16.2	16.3
Craft and kindred workers	9.2	8.9	8.7	9.2	9.6	9.7	10.3	10.8	10.8	11.3	11.1	11.9	11.9
Operatives, except transport	15.5	15.2	15.4	16.0	16.7	16.5	16.8	17.5	17.8	20.1	20.7	20.9	20.5
Transport equipment operatives	10.3	10.2	10.3	10.6	10.8	11.8	12.9	11.7	12.5	11.8	12.7	13.3	13.4
Nonfarm laborers	16.8	17.0	17.7	17.7	18.7	18.3	18.3	18.6	17.8	19.2	19.6	19.5	20.4
Service workers	9.5	9.4	9.8	10.2	11.0	10.8	10.0	10.5	10.6	10.8	10.7	11.2	12.2
Farm workers	6.2	6.6	5.2	5.6	6.0	8.1	6.6	6.3	6.7	5.7	6.6	7.4	7.7
INDUSTRY													
Nonagricultural private wage and salary workers ³	9.0	8.8	9.0	9.4	9.8	9.8	10.0	10.2	10.2	10.7	11.0	11.4	11.6
Construction	18.0	18.5	18.3	18.2	19.3	18.9	19.5	20.3	20.4	22.0	22.3	21.8	22.0
Manufacturing	10.8	10.3	10.6	10.7	11.3	11.5	12.2	12.1	12.4	13.6	14.1	14.8	14.8
Durable goods	11.6	10.9	11.2	10.8	11.9	12.2	13.1	12.8	13.3	14.9	16.0	17.0	17.1
Nondurable goods	9.6	9.5	9.6	10.6	10.6	10.4	11.1	11.0	11.0	11.8	11.2	11.4	11.4
Transportation	6.0	6.2	5.9	5.7	6.7	6.4	6.8	6.6	7.1	7.3	7.9	3.3	8.0
Wholesale and retail trade	8.9	8.8	9.1	10.1	9.9	10.2	9.7	10.3	10.0	10.0	10.4	10.6	11.0
Finance and service industries	6.3	6.0	6.5	6.8	7.0	6.8	6.9	7.0	7.0	7.0	7.1	7.7	7.7
Government workers	4.9	4.8	5.1	4.8	5.2	4.9	4.7	4.7	4.7	4.9	4.9	5.1	5.1
Agricultural wage and salary workers	14.2	15.3	13.4	14.0	14.6	18.1	15.0	14.1	14.2	13.5	13.3	15.6	16.5

¹ Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

[Numbers in thousands]

Weeks of unemployment	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DURATION													
Less than 5 weeks	4,040	3,833	3,807	3,831	3,930	3,871	3,605	3,959	3,933	4,004	3,930	3,263	4,019
5 to 14 weeks	1,028	3,079	3,068	3,098	3,255	3,281	3,398	3,249	3,346	3,549	3,511	3,549	3,460
15 weeks and over	2,407	2,402	2,750	2,962	3,080	3,267	3,517	3,569	3,637	3,856	4,167	4,524	4,732
15 to 26 weeks	1,224	1,209	1,479	1,605	1,582	1,633	1,683	1,780	1,808	1,830	1,951	2,191	2,125
27 weeks and over	1,183	1,193	1,271	1,357	1,498	1,634	1,834	1,789	1,829	2,026	2,216	2,333	2,607
Average (mean) duration, in weeks	12.9	13.4	14.0	13.9	14.3	14.9	16.3	15.6	16.1	16.6	17.1	17.3	18.0
Median duration, in weeks	6.8	7.3	7.4	7.7	8.3	8.6	9.8	8.3	8.3	9.4	9.6	10.0	10.1
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.6	41.1	39.6	38.7	38.3	37.2	34.3	36.7	36.0	35.1	33.9	32.9	32.9
5 to 14 weeks	32.0	33.1	31.9	31.3	31.7	31.5	32.3	30.1	30.7	31.1	30.2	29.5	28.7
15 weeks and over	25.4	25.8	28.6	29.9	30.0	31.4	33.4	33.1	33.3	33.8	35.9	37.6	39.9
15 to 26 weeks	12.9	13.0	15.4	16.2	15.4	15.7	16.0	16.5	16.6	16.0	16.8	18.2	17.4
27 weeks and over	12.5	12.8	13.2	13.7	14.6	15.7	17.4	16.6	16.8	17.8	19.1	19.4	21.3

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1981		1982										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	8.6	8.6	8.8	9.0	9.3	9.4	9.5	9.8	9.9	10.2	10.5	10.7	10.8
16 to 19 years	21.4	21.7	22.3	21.9	22.8	22.9	22.5	23.9	23.8	23.8	24.1	24.2	24.5
16 to 17 years	21.7	22.3	22.9	23.2	24.4	25.1	23.6	25.8	25.8	26.5	26.1	26.3	27.4
18 to 19 years	21.2	21.1	21.8	21.3	21.8	21.4	22.0	22.6	22.5	22.0	22.9	22.8	22.7
20 to 24 years	13.4	13.6	14.1	14.1	14.5	14.5	14.5	14.7	15.3	15.3	15.8	16.3	16.0
25 years and over	6.4	6.3	6.5	6.8	7.0	7.1	7.3	7.5	7.5	7.9	8.1	8.3	8.6
25 to 54 years	6.8	6.8	6.9	7.2	7.4	7.6	7.7	8.0	8.0	8.6	8.7	8.9	9.1
55 years and over	4.2	4.2	4.3	4.6	4.9	4.9	5.1	5.3	5.2	5.2	5.5	5.7	5.8
Males, 16 years and over	8.7	8.7	8.8	9.1	9.4	9.5	9.7	10.0	10.2	10.7	10.9	11.1	11.2
16 to 19 years	22.3	22.2	22.6	23.3	24.1	23.8	24.3	25.2	25.1	25.4	25.6	25.7	25.8
16 to 17 years	22.6	23.2	23.3	24.5	24.8	26.3	25.4	27.7	27.4	29.0	28.8	28.2	29.0
18 to 19 years	22.3	21.5	22.1	22.6	23.7	22.2	23.7	23.4	23.4	23.0	23.4	24.1	24.0
20 to 24 years	14.6	14.9	15.3	15.6	15.9	15.8	15.9	16.2	16.6	17.3	17.4	13.0	17.8
25 years and over	6.3	6.3	6.4	6.7	6.9	7.0	7.4	7.5	7.7	8.2	8.5	8.6	8.9
25 to 54 years	6.8	6.7	6.8	7.1	7.3	7.5	7.9	8.1	8.2	9.1	9.1	9.2	9.4
55 years and over	4.4	4.3	4.3	4.7	5.0	4.7	4.9	4.9	5.5	5.5	6.0	5.2	6.3
Females, 16 years and over	8.5	8.4	8.9	8.9	9.3	9.3	9.2	9.6	9.5	9.6	9.9	10.2	10.3
16 to 19 years	20.4	21.1	21.9	20.3	21.3	21.8	20.6	22.6	22.5	22.1	22.5	22.6	23.0
16 to 17 years	20.7	21.2	22.4	21.7	24.0	23.6	21.6	23.8	23.9	23.8	22.9	24.2	25.6
18 to 19 years	20.0	20.7	21.6	19.9	19.8	20.6	20.2	21.9	21.5	20.9	22.3	21.4	21.3
20 to 24 years	12.1	12.0	12.6	12.5	13.0	12.9	13.0	13.1	13.7	13.1	14.0	14.4	14.7
25 years and over	6.4	6.3	6.6	6.9	7.1	7.3	7.2	7.4	7.1	7.5	7.6	7.9	8.2
25 to 54 years	6.9	6.8	7.0	7.4	7.5	7.8	7.5	7.7	7.7	8.0	8.2	8.5	8.8
55 years and over	3.9	4.1	4.3	4.4	4.7	5.0	5.4	5.8	4.8	4.8	4.8	4.9	5.1

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

[Numbers in thousands]

Reason for unemployment	1981		1982										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	5,315	5,243	5,246	5,628	5,889	5,938	6,181	6,323	6,446	6,979	7,325	7,359	7,295
On layoff	2,004	1,852	1,777	1,858	1,967	1,956	2,097	2,126	2,218	2,625	2,519	2,531	2,468
Other job losers	3,311	3,391	3,469	3,770	3,922	3,982	4,084	4,197	4,228	4,354	4,806	4,938	4,927
Job leavers	904	842	942	885	901	864	826	819	814	786	803	794	826
Reentrants	2,188	2,133	2,272	2,261	2,342	2,393	2,378	2,478	2,440	2,437	2,322	2,546	2,629
New entrants	1,036	1,055	1,096	1,061	1,096	1,159	1,091	1,230	1,304	1,303	1,296	1,244	1,288
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	56.3	56.5	54.9	57.2	57.6	57.3	59.0	58.3	58.6	60.7	62.4	61.6	60.6
On layoff	21.2	20.3	18.6	18.9	19.2	18.9	20.0	19.6	20.2	22.8	21.4	21.2	20.5
Other job losers	35.1	36.6	36.3	38.3	38.3	38.5	39.0	38.7	38.4	37.8	40.9	40.5	40.1
Job leavers	9.6	9.1	9.9	9.0	8.8	8.3	7.9	7.5	7.4	6.8	6.8	6.6	6.9
Reentrants	23.2	23.0	23.8	23.0	22.9	23.1	22.7	22.8	22.2	21.2	19.8	21.3	21.8
New entrants	11.0	11.4	11.5	10.8	10.7	11.2	10.4	11.3	11.9	11.3	11.0	10.4	10.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.9	4.8	4.8	5.1	5.4	5.4	5.6	5.7	5.8	6.3	6.6	6.6	6.6
Job leavers .....	.8	.8	.9	.8	.8	.8	.7	.7	.7	.7	.7	.7	.7
Reentrants	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.1	2.3	2.4
New entrants .....	.9	1.0	1.0	1.0	1.0	1.1	1.0	1.1	1.2	1.2	1.2	1.1	1.0

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	99,677	99,688	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,093
16 to 19 years	6,772	6,772	6,740	6,688	6,633	6,740	6,484	6,372	6,483	6,481	6,415	6,424	6,344
16 to 17 years	2,700	2,692	2,671	2,629	2,593	2,617	2,432	2,364	2,422	2,432	2,415	2,426	2,364
18 to 19 years	4,099	4,081	4,078	4,071	4,053	4,136	4,027	4,016	4,043	4,065	3,988	3,984	3,982
20 to 24 years	13,910	13,839	13,816	13,814	13,750	13,791	13,773	13,701	13,640	13,584	13,504	13,510	13,559
25 years and over	78,977	79,056	79,112	79,085	79,076	79,803	79,479	79,596	79,646	79,468	79,251	79,182	79,165
25 to 54 years	64,648	64,729	64,852	64,738	64,737	65,027	65,101	65,216	65,365	64,982	64,949	64,858	64,890
55 years and over	14,347	14,317	14,201	14,314	14,314	14,416	14,373	14,367	14,302	14,561	14,289	14,315	14,272
Males, 16 years and over	56,746	56,667	56,670	56,499	56,444	56,724	56,249	56,127	56,159	56,072	55,932	55,922	55,809
16 to 19 years	3,578	3,566	3,540	3,473	3,420	3,534	3,306	3,222	3,327	3,296	3,283	3,303	3,275
16 to 17 years	1,438	1,436	1,423	1,382	1,373	1,409	1,264	1,191	1,252	1,229	1,229	1,258	1,233
18 to 19 years	2,150	2,131	2,120	2,097	2,055	2,139	2,020	2,040	2,064	2,085	2,052	2,027	2,038
20 to 24 years	7,369	7,326	7,299	7,260	7,228	7,264	7,215	7,142	7,171	7,105	7,125	7,085	7,082
25 years and over	45,780	45,750	45,811	45,770	45,791	45,879	45,792	45,722	45,685	45,672	45,522	45,496	45,430
25 to 54 years	37,157	37,165	37,241	37,187	37,203	37,302	37,200	37,152	37,205	37,044	37,019	36,988	36,947
55 years and over	8,618	8,595	8,541	8,579	8,589	8,612	8,615	8,565	8,473	8,644	8,485	8,506	8,471
Females, 16 years and over	42,931	43,021	43,025	43,098	43,040	43,270	43,432	43,461	43,524	43,471	43,244	43,244	43,284
16 to 19 years	3,194	3,204	3,200	3,215	3,213	3,206	3,178	3,150	3,156	3,185	3,132	3,121	3,069
16 to 17 years	1,262	1,256	1,248	1,247	1,220	1,208	1,168	1,173	1,170	1,203	1,186	1,168	1,131
18 to 19 years	1,949	1,950	1,958	1,974	1,998	1,997	2,007	1,976	1,979	1,980	1,936	1,957	1,944
20 to 24 years	6,541	6,513	6,517	6,554	6,522	6,527	6,558	6,489	6,469	6,479	6,379	6,425	6,477
25 years and over	33,197	33,306	33,301	33,315	33,285	33,524	33,687	33,874	33,961	33,796	33,729	33,686	33,735
25 to 54 years	27,491	27,564	27,611	27,551	27,534	27,725	27,901	28,064	28,160	27,938	27,930	27,930	27,943
55 years and over	5,729	5,722	5,660	5,735	5,725	5,804	5,758	5,802	5,829	5,917	5,804	5,907	5,801

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

[In thousands]

Sex and age	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	9,389	9,346	9,669	9,881	10,256	10,384	10,466	10,828	10,931	11,315	11,576	11,305	12,036
16 to 19 years	1,848	1,875	1,932	1,872	1,958	1,998	1,885	2,006	2,028	2,027	2,038	2,052	2,056
16 to 17 years	750	771	792	794	838	876	752	824	840	878	851	856	893
18 to 19 years	1,105	1,094	1,140	1,102	1,131	1,128	1,135	1,175	1,173	1,145	1,184	1,174	1,169
20 to 24 years	2,160	2,172	2,263	2,275	2,339	2,330	2,343	2,364	2,456	2,463	2,539	2,633	2,586
25 years and over	5,379	5,313	5,485	5,761	5,946	6,076	6,264	6,436	6,413	6,824	6,997	7,194	7,402
25 to 54 years	4,748	4,700	4,794	5,056	5,179	5,380	5,462	5,648	5,673	6,090	6,176	6,330	6,512
55 years and over	630	627	639	689	733	735	778	799	781	800	837	862	890
Males, 16 years and over	5,396	5,381	5,486	5,662	5,856	5,921	6,076	6,234	6,345	6,703	6,844	7,005	7,046
16 to 19 years	1,029	1,019	1,035	1,055	1,086	1,103	1,060	1,084	1,113	1,125	1,130	1,141	1,137
16 to 17 years	420	434	432	448	452	502	431	457	473	502	498	473	503
18 to 19 years	617	585	602	613	637	609	627	622	631	622	628	642	642
20 to 24 years	1,262	1,286	1,323	1,339	1,362	1,365	1,366	1,390	1,431	1,483	1,503	1,556	1,533
25 years and over	3,104	3,073	3,142	3,290	3,402	3,452	3,662	3,731	3,802	4,098	4,213	4,292	4,388
25 to 54 years	2,713	2,678	2,715	2,848	2,931	3,039	3,207	3,293	3,334	3,657	3,696	3,750	3,819
55 years and over	400	382	386	424	449	429	447	442	490	500	545	560	570
Females, 16 years and over	3,993	3,965	4,183	4,219	4,400	4,463	4,390	4,594	4,586	4,612	4,732	4,300	4,990
16 to 19 years	819	856	897	817	872	895	825	922	915	902	908	911	919
16 to 17 years	330	337	360	346	386	374	321	367	367	376	353	373	390
18 to 19 years	488	509	538	489	494	519	508	553	542	523	556	532	527
20 to 24 years	898	886	940	936	957	965	977	974	1,025	980	1,036	1,077	1,053
25 years and over	2,275	2,240	2,343	2,471	2,544	2,624	2,602	2,705	2,611	2,726	2,784	2,902	3,014
25 to 54 years	2,035	2,022	2,079	2,208	2,248	2,341	2,255	2,335	2,339	2,433	2,480	2,590	2,693
55 years and over	230	245	253	265	284	306	331	357	291	300	292	302	310

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Category	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total, 16 years and over	99,677	99,688	99,695	99,597	99,484	99,994	99,681	99,588	99,683	99,543	99,176	99,136	99,793
Married men, spouse present	38,410	38,306	38,326	38,227	38,212	38,274	38,254	38,177	38,121	37,998	37,852	37,641	37,507
Married women, spouse present	23,723	23,803	23,807	23,933	23,891	24,112	24,331	24,173	24,235	24,159	24,081	23,985	24,155
OCCUPATION													
White-collar workers	53,022	52,825	52,933	52,876	53,213	53,658	53,552	53,710	53,660	53,875	53,687	53,759	53,909
Professional and technical	16,744	16,767	16,662	16,715	16,854	16,867	17,010	17,262	17,014	16,961	17,061	17,035	17,150
Managers and administrators, except farm	11,362	11,112	11,292	11,352	11,470	11,512	11,516	11,416	11,575	11,625	11,618	11,551	11,780
Sales workers	6,476	6,513	6,538	6,602	6,582	6,581	6,563	6,571	6,643	6,534	6,604	6,532	6,605
Clerical workers	18,440	18,433	18,441	18,207	18,307	18,698	18,463	18,461	18,428	18,755	18,406	18,381	18,374
Blue-collar workers	30,394	30,303	30,356	30,335	29,966	29,886	29,706	29,569	29,364	29,143	29,148	28,769	28,668
Craft and kindred workers	12,497	12,424	12,460	12,483	12,459	12,314	12,232	12,220	12,267	12,230	12,152	12,136	11,909
Operatives, except transport	10,114	9,990	9,948	9,830	9,701	9,593	9,611	9,416	9,259	9,001	9,003	8,856	8,990
Transport equipment operatives	3,382	3,424	3,502	3,406	3,401	3,411	3,404	3,424	3,271	3,361	3,335	3,293	3,295
Nonfarm laborers	4,401	4,465	4,446	4,616	4,405	4,568	4,459	4,509	4,567	4,551	4,658	4,484	4,474
Service workers	13,665	13,696	13,614	13,557	13,595	13,727	13,771	13,678	13,876	13,998	13,750	13,339	13,741
Farm workers	2,612	2,775	2,768	2,717	2,672	2,732	2,680	2,740	2,717	2,716	2,711	2,745	2,726
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,375	1,402	1,430	1,428	1,442	1,530	1,457	1,523	1,548	1,537	1,576	1,584	1,547
Self-employed workers	1,613	1,662	1,613	1,645	1,656	1,679	1,661	1,655	1,620	1,569	1,621	1,628	1,527
Unpaid family workers	229	348	334	270	266	251	254	254	255	254	229	241	224
Nonagricultural industries:													
Wage and salary workers	89,016	88,825	88,702	88,620	88,454	88,872	88,548	88,491	88,576	88,562	88,064	87,936	87,976
Government	15,592	15,546	15,515	15,491	15,464	15,454	15,614	15,471	15,562	15,681	15,436	15,514	15,477
Private industries	73,424	73,279	73,187	73,129	72,990	73,418	72,934	73,020	73,014	72,881	72,628	72,422	72,499
Private households	1,318	1,239	1,181	1,218	1,196	1,204	1,205	1,200	1,227	1,220	1,216	1,221	1,163
Other industries	72,106	72,040	72,006	71,911	71,794	72,214	71,729	71,820	71,787	71,661	71,412	71,201	71,336
Self-employed workers	7,072	7,004	7,097	7,150	7,246	7,262	7,301	7,286	7,338	7,422	7,332	7,349	7,335
Unpaid family workers	408	416	410	431	410	392	398	393	408	378	403	382	383
PERSONS AT WORK¹													
Nonagricultural industries	91,010	90,301	90,867	90,579	90,755	91,082	90,917	90,414	90,486	90,884	90,232	90,238	90,219
Full-time schedules	73,360	72,916	73,026	72,699	72,562	72,869	72,545	72,288	72,045	71,723	71,394	71,442	71,499
Part-time for economic reasons	5,325	5,066	5,489	5,611	5,750	5,731	5,561	5,577	5,829	6,495	6,403	6,411	6,425
Usually work full-time	2,169	1,803	2,155	2,187	2,197	2,195	2,126	2,047	2,100	2,519	2,381	2,228	2,153
Usually work part-time	3,156	3,258	3,334	3,424	3,553	3,536	3,435	3,530	3,720	3,976	4,022	4,183	4,272
Part time for noneconomic reasons	12,325	12,319	12,352	12,269	12,443	12,482	12,811	12,549	12,621	12,666	12,435	12,385	12,295

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

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninsti- tutional population		Civilian labor force							
			Total		Employed		Unemployed			
	Number						Percent of labor force			
Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	Dec. 1981	Dec. 1982	
VETERANS										
Total, 25 years and over	8,646	8,265	8,166	7,752	7,553	6,988	613	764	7.5	9.0
25 to 39 years	7,279	6,610	6,963	6,305	6,405	5,641	558	664	8.0	10.5
25 to 29 years	1,376	991	1,267	904	1,103	748	164	156	12.9	17.3
30 to 34 years	3,165	2,585	3,041	2,460	2,807	2,217	234	243	7.7	9.0
35 to 39 years	2,738	3,034	2,655	2,941	2,495	2,676	160	265	6.0	9.0
40 years and over	1,367	1,655	1,203	1,447	1,148	1,347	55	100	4.6	6.0
NONVETERANS										
Total, 25 to 39 years	17,653	19,140	16,674	18,135	15,401	16,187	1,273	1,948	7.6	10.7
25 to 29 years	7,996	8,452	7,493	7,981	6,810	6,538	683	1,043	9.1	13.1
30 to 34 years	5,706	6,357	5,426	6,039	5,053	5,501	373	538	6.9	8.0
35 to 39 years	3,951	4,331	3,755	4,115	3,538	3,748	217	367	5.8	8.0

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

Numbers in thousands]

Employment status, sex, age, and race	1979				1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
TOTAL																
total noninstitutional population ¹	168,146	168,848	169,506	170,222	170,816	171,403	171,966	172,567	173,150	173,665	174,195	174,713	175,229			
Armed Forces ¹	2,091	2,086	2,091	2,111	2,121	2,124	2,129	2,155	2,160	2,168	2,175	2,192	2,183			
Civilian noninstitutional population ¹ ...	166,055	166,762	167,415	168,111	168,693	169,279	169,837	170,413	170,990	171,497	172,020	172,522	173,046			
Civilian labor force.....	105,956	106,526	106,759	107,144	107,493	108,219	108,802	108,580	109,116	109,292	110,088	110,629	110,974			
Percent of civilian population.....	63.8	63.9	63.8	63.7	63.7	63.9	64.1	63.7	63.8	63.7	64.0	64.1	64.1			
Employed.....	99,654	99,837	98,965	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135			
Percent of total population.....	59.3	59.1	58.4	58.1	58.3	58.5	58.6	58.2	57.8	57.4	57.2	57.3	56.6			
Agriculture.....	3,382	3,371	3,337	3,342	3,412	3,372	3,417	3,358	3,327	3,371	3,391	3,412	3,430			
Nonagricultural industries.....	96,272	96,467	95,628	95,574	96,103	96,832	97,372	97,162	96,760	96,289	96,329	96,192	95,705			
Unemployed.....	6,302	6,688	7,794	8,228	7,579	8,016	8,013	8,059	9,029	9,632	10,369	11,223	11,339			
Unemployment rate.....	5.9	6.3	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7			
Males, 20 years and over																
total noninstitutional population ¹	71,964	72,293	72,620	72,984	73,309	73,609	73,928	74,272	74,609	74,910	75,224	75,533	75,865			
Civilian noninstitutional population ¹ ...	70,291	70,640	70,963	71,313	71,634	71,946	72,251	72,567	72,912	73,205	73,492	73,775	74,105			
Civilian labor force.....	55,937	56,262	56,392	56,594	56,726	56,951	57,222	57,211	57,421	57,558	57,920	58,158	58,420			
Percent of civilian population.....	79.6	79.6	79.5	79.4	79.2	79.2	79.2	78.8	78.8	78.6	78.8	78.8	78.8			
Employed.....	53,500	53,498	52,887	52,818	53,223	53,478	53,760	53,739	53,351	53,085	53,052	52,838	52,591			
Percent of total population.....	74.3	74.0	72.8	72.4	72.6	72.7	72.4	72.4	71.5	70.9	70.5	70.0	69.3			
Agriculture.....	2,430	2,449	2,380	2,366	2,392	2,372	2,404	2,386	2,370	2,389	2,429	2,444	2,422			
Nonagricultural industries.....	51,070	51,049	50,506	50,452	50,832	51,106	51,357	51,353	50,981	50,696	50,623	50,394	50,168			
Unemployed.....	2,437	2,763	3,505	3,776	3,503	3,473	3,462	3,472	4,069	4,473	4,868	5,320	5,829			
Unemployment rate.....	4.4	4.9	6.2	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0			
Females, 20 years and over																
total noninstitutional population ¹	79,248	79,631	79,998	80,400	80,754	81,108	81,458	81,826	82,191	82,526	82,866	83,204	83,513			
Civilian noninstitutional population ¹ ...	79,126	79,506	79,869	80,266	80,616	80,966	81,312	81,675	82,036	82,368	82,703	83,037	83,346			
Civilian labor force.....	40,393	40,751	40,967	41,203	41,512	42,030	42,494	42,491	42,938	43,107	43,602	44,006	44,111			
Percent of civilian population.....	51.0	51.3	51.3	51.3	51.5	51.9	52.3	52.0	52.3	52.3	52.7	53.0	52.9			
Employed.....	38,093	38,386	38,355	38,500	38,728	39,250	39,682	39,601	39,831	39,842	40,048	40,322	40,150			
Percent of total population.....	48.1	48.2	47.9	47.9	48.0	48.4	48.7	48.4	48.5	48.3	48.3	48.5	48.1			
Unemployed.....	2,300	2,365	2,612	2,703	2,784	2,780	2,812	2,890	3,107	3,266	3,554	3,684	3,961			
Unemployment rate.....	5.7	5.8	6.4	6.6	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0			
Both sexes, 16-19 years																
total noninstitutional population ¹	16,933	16,924	16,888	16,837	16,752	16,686	16,580	16,469	16,350	16,228	16,106	15,975	15,851			
Civilian noninstitutional population ¹ ...	16,637	16,616	16,584	16,532	16,442	16,367	16,275	16,171	16,042	15,923	15,825	15,703	15,595			
Civilian labor force.....	9,627	9,513	9,400	9,347	9,255	9,239	9,087	8,878	8,757	8,626	8,566	8,466	8,443			
Percent of civilian population.....	57.9	57.3	56.7	56.5	56.3	56.4	55.8	54.9	54.6	54.2	54.1	53.9	54.1			
Employed.....	8,061	7,953	7,724	7,598	7,563	7,476	7,347	7,180	6,905	6,733	6,619	6,445	6,394			
Percent of total population.....	47.6	47.0	45.7	45.1	45.1	44.8	44.3	43.6	42.2	41.5	41.1	40.3	40.3			
Unemployed.....	1,566	1,560	1,676	1,749	1,692	1,763	1,740	1,698	1,852	1,893	1,947	2,020	2,049			
Unemployment rate.....	16.3	16.4	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.2			
White																
total noninstitutional population ¹	146,529	146,926	147,469	148,068	148,528	148,779	149,305	149,816	150,302	150,599	150,969	151,259	151,593			
Civilian noninstitutional population ¹ ...	144,895	145,308	145,855	146,439	146,889	147,148	147,671	148,164	148,650	148,943	149,309	149,586	149,927			
Civilian labor force.....	92,789	93,341	93,519	93,689	94,016	94,648	95,188	94,986	95,422	95,450	96,170	96,467	96,679			
Percent of civilian population.....	64.0	64.2	64.1	64.0	64.0	64.3	64.5	64.1	64.2	64.1	64.4	64.5	64.5			
Employed.....	87,963	88,231	87,463	87,312	87,874	88,455	89,021	88,889	88,471	88,064	88,150	87,957	87,452			
Percent of total population.....	60.0	60.1	59.3	59.0	59.2	59.5	59.6	59.3	58.9	58.5	58.4	58.2	57.7			
Unemployed.....	4,826	5,111	6,057	6,377	6,142	6,193	6,167	6,096	6,951	7,386	8,020	8,509	9,227			
Unemployment rate.....	5.2	5.5	6.5	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5			
Black and other																
total noninstitutional population ¹	21,618	21,923	22,036	22,154	22,288	22,624	22,661	22,751	22,849	23,066	23,226	23,455	23,536			
Civilian noninstitutional population ¹ ...	21,160	21,454	21,561	21,671	21,805	22,131	22,166	22,249	22,341	22,554	22,711	22,936	23,119			
Civilian labor force.....	13,181	13,187	13,259	13,443	13,480	13,545	13,626	13,577	13,728	13,815	13,940	14,168	14,327			
Percent of civilian population.....	62.3	61.5	61.5	62.0	61.8	61.2	61.5	61.0	61.4	61.3	61.4	61.8	62.0			
Employed.....	11,702	11,616	11,507	11,599	11,628	11,744	11,765	11,624	11,622	11,601	11,571	11,657	11,566			
Percent of total population.....	54.1	53.0	52.2	52.4	52.2	51.9	51.9	51.1	50.9	50.3	49.8	49.7	49.4			
Unemployed.....	1,479	1,571	1,752	1,844	1,852	1,801	1,861	1,952	2,105	2,213	2,369	2,511	2,560			
Unemployment rate.....	11.2	11.9	13.2	13.7	13.7	13.3	13.7	14.4	15.3	16.0	17.0	17.7	18.6			

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. Data in this table have been revised. See article in this issue for additional information.

**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	1979				1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
FULL TIME																
Total, 16 years and over:																
Civilian labor force	90,323	90,625	91,187	91,588	91,926	92,456	92,866	92,889	93,497	93,576	94,138	94,535	95,082			
Employed ¹	85,373	85,313	84,781	84,735	85,295	85,869	86,323	86,335	85,974	85,520	85,424	85,246	84,964			
Unemployed	4,950	5,312	6,406	6,854	6,631	6,588	6,542	6,554	7,523	8,056	8,714	9,289	10,118			
Unemployment rate	5.5	5.9	7.0	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6			
Males, 20 years and over:																
Civilian labor force	53,076	53,250	53,508	53,779	53,895	54,009	54,380	54,315	54,554	54,559	54,923	55,082	55,396			
Employed ¹	50,808	50,687	50,211	50,176	50,555	50,754	51,126	51,078	50,707	50,339	50,319	50,031	49,811			
Unemployed	2,268	2,563	3,297	3,603	3,340	3,256	3,255	3,237	3,848	4,219	4,605	5,051	5,584			
Unemployment rate	4.3	4.8	6.2	6.7	6.2	6.0	6.0	6.0	7.1	7.7	8.4	9.2	10.1			
Females, 20 years and over:																
Civilian labor force	32,026	32,278	32,643	32,847	33,118	33,578	33,747	33,883	34,300	34,439	34,844	35,158	35,253			
Employed ¹	30,230	30,419	30,514	30,609	30,808	31,253	31,453	31,526	31,694	31,716	31,871	32,092	31,911			
Unemployed	1,795	1,859	2,129	2,238	2,309	2,325	2,294	2,357	2,606	2,724	2,974	3,066	3,342			
Unemployment rate	5.6	5.8	6.5	6.8	7.0	6.9	6.8	7.0	7.6	7.9	8.5	8.7	9.5			
Both sexes, 16-19 years:																
Civilian labor force	5,222	5,096	5,036	4,962	4,912	4,869	4,738	4,690	4,642	4,578	4,370	4,293	4,433			
Employed ¹	4,336	4,206	4,056	3,950	3,931	3,862	3,744	3,731	3,573	3,465	3,234	3,122	3,242			
Unemployed	886	891	980	1,013	982	1,006	994	960	1,069	1,113	1,135	1,171	1,192			
Unemployment rate	17.0	17.5	19.5	20.4	20.0	20.7	21.0	20.5	23.0	24.3	26.0	27.3	26.9			
PART TIME																
Total, 16 years and over:																
Civilian labor force	15,607	15,829	15,581	15,682	15,537	15,701	15,928	15,768	15,623	15,690	15,964	16,175	15,890			
Employed ¹	14,262	14,463	14,191	14,313	14,183	14,278	14,444	14,267	14,117	14,118	14,300	14,442	14,157			
Unemployed	1,346	1,366	1,390	1,368	1,353	1,423	1,484	1,501	1,506	1,572	1,664	1,733	1,733			
Unemployment rate	8.6	8.6	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9			
Males, 20 years and over:																
Civilian labor force	2,872	2,959	2,919	2,807	2,852	2,900	2,873	2,883	2,886	2,959	3,026	3,090	3,049			
Employed ¹	2,695	2,771	2,715	2,630	2,671	2,697	2,666	2,648	2,649	2,717	2,764	2,820	2,777			
Unemployed	177	187	204	177	180	202	208	235	237	241	262	270	272			
Unemployment rate	6.2	6.3	7.0	6.3	6.3	7.0	7.2	8.2	8.2	8.2	8.6	8.7	8.9			
Females, 20 years and over:																
Civilian labor force	8,342	8,469	8,301	8,405	8,365	8,451	8,725	8,663	8,610	8,667	8,732	8,904	8,823			
Employed ¹	7,849	7,958	7,817	7,948	7,897	7,985	8,204	8,130	8,117	8,116	8,154	8,282	8,213			
Unemployed	493	511	485	457	468	466	521	533	492	551	578	623	610			
Unemployment rate	5.9	6.0	5.8	5.4	5.6	5.5	6.0	6.2	5.7	6.4	6.6	7.0	6.9			
Both sexes, 16-19 years:																
Civilian labor force	4,393	4,401	4,360	4,470	4,320	4,351	4,329	4,223	4,127	4,064	4,206	4,181	4,018			
Employed ¹	3,717	3,733	3,659	3,736	3,615	3,595	3,574	3,490	3,350	3,284	3,381	3,340	3,167			
Unemployed	676	668	701	734	705	756	756	733	777	780	825	841	851			
Unemployment rate	15.4	15.2	16.1	16.4	16.3	17.4	17.5	17.4	18.8	19.2	19.6	20.1	21.2			

¹ 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.

NOTE: Data in this table have been revised. See article in this issue for additional information.

**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	1979				1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV			
WHITE																
Total, 16 years and over:																
Civilian labor force	92,789	93,341	93,519	93,689	94,016	94,648	95,188	94,986	95,422	95,450	96,170	96,467	96,679			
Employed	87,963	88,231	87,463	87,312	87,874	88,455	89,021	88,889	88,471	88,064	88,150	87,957	87,452			
Unemployed	4,826	5,111	6,057	6,377	6,142	6,193	6,167	6,096	6,951	7,386	8,020	8,509	9,227			
Unemployment rate	5.2	5.5	6.5	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5			
Males, 20 years and over:																
Civilian labor force	49,582	49,895	50,046	50,131	50,279	50,432	50,730	50,676	50,869	50,889	51,207	51,383	51,531			
Employed	47,691	47,761	47,270	47,161	47,500	47,697	48,014	48,006	47,664	47,438	47,375	47,145	46,882			
Unemployed	1,891	2,134	2,776	2,970	2,779	2,735	2,716	2,669	3,205	3,452	3,833	4,198	4,648			
Unemployment rate	3.8	4.3	5.5	5.9	5.5	5.4	5.4	5.3	6.3	6.8	7.5	8.2	9.0			
Females, 20 years and over:																
Civilian labor force	34,643	34,989	35,134	35,292	35,544	36,025	36,432	36,426	36,797	36,923	37,357	37,695	37,783			
Employed	32,916	33,198	33,172	33,243	33,486	33,546	34,342	34,319	34,493	34,476	34,689	34,927	34,753			
Unemployed	1,727	1,791	1,961	2,049	2,057	2,077	2,091	2,107	2,304	2,448	2,668	2,768	2,990			
Unemployment rate	5.0	5.1	5.6	5.8	5.8	5.8	5.7	5.8	6.3	6.6	7.1	7.3	7.9			
Both sexes, 16 to 19 years:																
Civilian labor force	8,564	8,457	8,340	8,267	8,193	8,190	8,025	7,884	7,756	7,637	7,606	7,429	7,405			
Employed	7,356	7,272	7,020	6,909	6,887	6,810	6,665	6,564	6,314	6,150	6,086	5,885	5,816			
Unemployed	1,208	1,186	1,320	1,358	1,306	1,380	1,360	1,320	1,441	1,487	1,520	1,544	1,589			
Unemployment rate	14.1	14.0	15.8	16.4	15.9	16.9	17.0	16.7	18.6	19.5	20.0	20.8	21.5			
BLACK AND OTHER																
Total, 16 years and over:																
Civilian labor force	13,181	13,187	13,259	13,443	13,480	13,545	13,626	13,577	13,728	13,815	13,940	14,168	14,327			
Employed	11,702	11,616	11,507	11,599	11,628	11,744	11,765	11,624	11,622	11,601	11,571	11,657	11,656			
Unemployed	1,479	1,571	1,752	1,844	1,852	1,801	1,861	1,952	2,105	2,213	2,369	2,511	2,660			
Unemployment rate	11.2	11.9	13.2	13.7	13.7	13.3	13.7	14.4	15.3	16.0	17.0	17.7	18.6			
Males, 20 years and over:																
Civilian labor force	6,352	6,355	6,360	6,461	6,459	6,497	6,503	6,528	6,582	6,633	6,731	6,821	6,945			
Employed	5,800	5,735	5,626	5,653	5,714	5,788	5,749	5,728	5,683	5,653	5,681	5,694	5,703			
Unemployed	552	620	734	808	745	709	754	800	899	980	1,050	1,127	1,241			
Unemployment rate	8.7	9.8	11.5	12.5	11.5	10.9	11.6	12.3	13.7	14.8	15.6	16.5	17.9			
Females, 20 years and over:																
Civilian labor force	5,755	5,760	5,838	5,909	5,962	5,998	6,061	6,070	6,134	6,179	6,245	6,314	6,352			
Employed	5,187	5,183	5,179	5,262	5,241	5,289	5,334	5,295	5,339	5,352	5,354	5,407	5,393			
Unemployed	568	576	659	647	721	709	726	776	795	828	891	907	961			
Unemployment rate	9.9	10.0	11.3	11.0	12.1	11.8	12.0	12.8	13.0	13.4	14.3	14.4	15.1			
Both sexes, 16 to 19 years:																
Civilian labor force	1,074	1,073	1,060	1,072	1,059	1,050	1,063	978	1,012	1,003	964	1,032	1,029			
Employed	716	697	702	684	673	666	681	602	601	597	536	556	570			
Unemployed	359	375	358	389	386	383	381	376	411	406	428	477	458			
Unemployment rate	33.4	35.0	33.8	36.2	36.5	36.5	35.9	38.5	40.6	40.5	44.4	46.2	44.6			

NOTE: Data in this table have been revised. See article in this issue for additional information.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTIC													
Total (all civilian workers)	5.9	6.3	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	12.0	10.7
Males, 20 years and over	4.4	4.9	6.2	6.7	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.1	10.0
Females, 20 years and over	5.7	5.8	6.4	6.6	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0
Both sexes, 16-19 years	16.3	16.4	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3
White	5.2	5.5	6.5	6.8	6.5	6.5	6.5	6.4	7.3	7.7	8.3	8.8	9.5
Black and other	11.2	11.9	13.2	13.7	13.7	13.3	13.7	14.4	15.3	16.0	17.0	17.7	18.6
Married men, spouse present	3.0	3.4	4.4	4.8	4.3	4.2	4.0	4.1	5.1	5.4	6.2	6.9	7.6
Married women, spouse present	5.1	5.3	5.9	6.1	5.9	5.9	5.7	5.8	6.4	6.7	7.3	7.4	8.1
Women who maintain families	8.4	8.8	8.6	9.1	10.0	10.0	10.3	10.7	10.6	10.6	11.6	12.0	12.3
Full-time workers	5.5	5.9	7.0	7.5	7.2	7.1	7.0	7.1	8.0	8.6	9.3	9.8	10.6
Part-time workers	8.6	8.6	8.9	8.7	8.7	9.1	9.3	9.5	9.6	10.0	10.4	10.7	10.9
Unemployed 15 weeks and over ¹	1.2	1.3	1.6	2.0	2.2	2.2	2.1	2.0	2.2	2.5	3.0	3.3	4.0
Labor force time lost ²	6.4	6.8	8.0	8.3	8.3	8.3	8.2	8.2	9.5	10.0	10.5	11.1	12.4
OCCUPATION													
White-collar workers	3.3	3.4	3.7	3.8	3.9	3.9	3.9	4.1	4.3	4.5	4.8	4.9	5.4
Professional and technical	2.4	2.3	2.5	2.5	2.6	2.7	2.9	2.7	2.9	3.1	3.2	3.3	3.6
Managers and administrators, except farm	2.1	2.2	2.5	2.5	2.5	2.6	2.6	2.7	2.9	3.0	3.5	3.7	3.9
Sales workers	3.8	4.3	4.5	4.2	4.5	4.2	4.3	4.9	4.9	5.1	5.5	5.5	6.2
Clerical workers	4.6	4.7	5.2	5.6	5.6	5.5	5.5	5.8	6.1	6.5	6.5	6.9	7.7
Blue-collar workers	7.4	8.2	10.5	11.2	10.5	10.1	9.8	9.8	11.7	12.7	13.7	14.8	16.1
Craft and kindred workers	4.8	5.3	7.1	7.6	7.0	7.1	7.1	7.1	8.5	8.9	9.6	11.0	11.6
Operatives, except transport	9.1	9.7	12.9	13.7	12.8	12.0	11.5	11.5	14.0	15.5	16.6	18.5	20.7
Transport equipment operatives	5.5	7.0	9.0	10.1	9.7	9.0	8.1	8.1	9.4	10.4	11.8	12.0	13.1
Nonfarm laborers	11.8	12.8	15.0	15.9	14.8	14.6	14.0	14.2	16.2	17.5	18.4	19.5	19.8
Service workers	6.9	7.2	8.0	8.3	8.2	8.5	8.8	8.6	9.5	9.8	10.6	10.6	11.4
Farm workers	4.4	4.3	4.8	5.0	4.2	5.1	5.0	4.8	6.1	5.8	6.9	5.2	7.2
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.9	6.3	7.6	8.0	7.7	7.5	7.4	7.5	8.5	9.1	9.9	12.4	11.4
Construction	10.6	12.0	15.4	16.0	14.1	14.1	15.5	15.8	17.6	18.4	19.2	20.9	22.1
Manufacturing	6.0	6.8	9.0	9.4	8.9	8.4	7.6	7.5	9.6	10.5	11.7	12.7	14.6
Durable goods	5.7	6.7	9.8	10.2	9.1	8.3	7.3	7.2	9.8	11.0	12.4	13.7	16.7
Nondurable goods	6.5	6.9	7.9	8.3	8.6	8.4	8.1	7.9	9.2	9.9	10.7	11.3	11.4
Transportation and public utilities	4.2	4.2	4.9	5.8	5.1	5.7	5.3	4.6	5.4	5.9	6.6	7.0	8.1
Wholesale and retail trade	6.4	6.6	7.4	7.7	8.0	7.7	7.7	8.2	8.7	9.3	10.0	10.1	10.7
Finance and service industries	4.8	4.8	5.4	5.6	5.5	5.7	5.8	5.8	6.2	6.4	6.9	7.0	7.6
Government workers	3.9	4.0	4.0	4.2	4.3	4.4	4.6	4.7	4.9	4.9	4.9	4.8	5.0
Agricultural wage and salary workers	9.9	10.0	11.2	11.9	10.7	11.8	11.0	11.6	13.9	14.3	16.0	13.9	15.1

¹ Unemployment as a percent of the civilian labor force.

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

as a percent of potentially available labor force hours.

³ Includes mining, not shown separately.

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	3,043	3,134	3,502	3,350	3,189	3,280	3,297	3,391	3,852	3,823	3,802	3,955	3,971
5 to 14 weeks	1,991	2,169	2,616	2,696	2,446	2,381	2,471	2,469	2,851	3,082	3,311	3,381	3,507
15 weeks and over	1,248	1,389	1,735	2,142	2,356	2,336	2,242	2,205	2,352	2,705	3,288	3,587	4,474
15 to 26 weeks	706	829	1,006	1,221	1,241	1,092	1,101	1,093	1,204	1,431	1,633	1,906	2,088
27 weeks and over	542	560	729	921	1,115	1,244	1,141	1,112	1,149	1,274	1,655	1,881	2,385
Average (mean duration, in weeks)	10.6	10.7	11.2	12.4	13.5	14.1	13.8	14.0	13.2	13.8	15.2	16.1	17.5
Median duration, in weeks	5.5	5.7	6.0	7.3	7.5	7.2	7.1	6.9	6.8	7.5	8.9	8.7	9.9
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	48.4	46.8	44.6	40.9	39.9	41.0	41.2	42.0	42.5	39.8	36.6	35.9	33.2
5 to 14 weeks	31.7	32.4	33.3	32.9	30.6	29.8	30.9	30.6	31.5	32.1	31.8	30.6	29.3
15 weeks and over	19.9	20.8	22.1	26.2	29.5	29.2	28.0	27.3	26.0	28.1	31.6	33.4	37.4
15 to 26 weeks	11.2	12.4	12.8	14.9	15.5	13.7	13.7	13.6	13.3	14.9	15.7	16.4	17.5
27 weeks and over	8.6	8.4	9.3	11.2	13.9	15.6	14.2	13.8	12.7	13.3	15.9	17.1	20.0

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

Sex and age	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	5.9	6.3	7.3	7.7	7.4	7.4	7.4	7.4	8.3	8.8	9.4	10.0	10.7
16 to 19 years	16.3	16.4	17.8	18.7	18.3	19.1	19.1	19.1	21.2	21.9	22.7	23.9	24.3
16 to 17 years	18.0	18.7	19.8	21.0	20.6	21.4	21.7	20.5	22.0	22.8	24.4	26.0	26.6
18 to 19 years	15.0	14.8	16.5	17.0	16.6	17.5	17.5	18.1	20.5	21.4	21.7	22.4	22.8
20 to 24 years	9.5	10.1	12.0	12.3	12.0	11.8	12.3	12.0	13.0	13.9	14.5	15.1	16.1
25 years and over	4.0	4.4	5.2	5.5	5.3	5.3	5.1	5.3	6.0	6.5	7.1	7.6	8.3
25 to 54 years	4.3	4.7	5.6	6.0	5.7	5.6	5.5	5.7	6.5	7.0	7.6	8.2	8.9
55 years and over	2.9	3.0	3.3	3.5	3.4	3.6	3.3	3.7	3.9	4.4	5.0	5.2	5.7
Males, 16 years and over	5.3	5.8	7.2	7.7	7.2	7.2	7.1	7.1	8.2	8.9	9.5	10.3	11.1
16 to 19 years	15.7	15.8	18.3	19.6	19.4	19.9	19.7	19.5	21.4	22.7	24.1	25.2	25.7
16 to 17 years	17.7	18.0	20.3	21.9	21.6	22.2	22.8	20.9	22.1	23.7	25.5	28.1	28.7
18 to 19 years	14.2	14.2	16.9	17.9	18.0	18.4	17.7	18.5	20.9	22.1	22.2	23.3	23.8
20 to 24 years	9.2	10.5	13.1	13.7	13.0	12.8	13.3	12.6	14.2	15.3	15.9	16.7	17.7
25 years and over	3.5	3.9	5.0	5.4	4.9	4.9	4.8	4.9	5.8	6.5	7.1	7.8	8.6
25 to 54 years	3.6	4.1	5.3	5.9	5.3	5.2	5.1	5.3	6.3	6.9	7.6	8.5	9.2
55 years and over	2.8	3.0	3.4	3.6	3.3	3.3	3.3	3.5	4.0	4.4	4.9	5.3	6.2
Females, 16 years and over	6.8	6.9	7.4	7.6	7.7	7.7	7.7	7.9	8.4	8.7	9.3	9.6	10.1
16 to 19 years	16.9	17.0	17.3	17.7	17.0	18.1	18.5	18.7	20.8	21.1	21.3	22.4	22.7
16 to 17 years	18.3	19.4	19.2	20.1	19.6	20.5	20.4	20.1	21.9	21.8	23.1	23.8	24.3
18 to 19 years	15.8	15.4	16.1	16.0	15.2	16.5	17.3	17.7	20.1	20.7	20.2	21.4	21.7
20 to 24 years	9.8	9.5	10.6	10.6	10.7	10.7	11.1	11.3	11.6	12.4	13.0	13.3	14.1
25 years and over	4.8	5.0	5.5	5.7	5.8	5.8	5.7	5.8	6.3	6.6	7.2	7.3	7.9
25 to 54 years	5.1	5.5	6.0	6.2	6.2	6.2	6.1	6.2	6.8	7.1	7.6	7.8	8.5
55 years and over	3.1	3.0	3.2	3.2	3.6	3.9	3.4	3.9	3.9	4.3	5.1	5.1	4.9

NOTE: Data in this table have been revised. See article in this issue for additional information.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

(Numbers in thousands)

Reason for unemployment	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,834	3,174	4,068	4,500	4,231	4,036	4,032	4,171	4,859	5,372	6,003	6,583	7,330
On layoff	963	1,135	1,692	1,816	1,488	1,325	1,324	1,330	1,770	1,829	2,007	2,323	2,506
Other job losers	1,871	2,040	2,375	2,683	2,743	2,711	2,707	2,841	3,089	3,543	3,996	4,260	4,824
Job leavers	857	839	926	908	889	911	923	920	937	890	864	806	808
Reentrants	1,813	1,849	1,932	1,944	1,984	2,065	2,048	2,047	2,255	2,222	2,371	2,452	2,499
New entrants	829	833	847	899	911	986	977	944	1,015	1,071	1,115	1,279	1,276
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	44.7	47.4	52.3	54.5	52.8	50.5	50.5	51.6	53.6	56.2	58.0	59.2	61.5
On layoff	15.2	16.9	21.8	22.0	18.6	16.6	16.6	16.5	19.5	19.1	19.4	20.9	21.0
Other job losers	29.5	30.5	30.6	32.5	34.2	33.9	33.9	35.1	34.1	37.1	38.6	38.3	40.5
Job leavers	13.5	12.5	11.9	11.0	11.1	11.4	11.6	11.4	10.3	9.3	8.3	7.3	6.8
Reentrants	28.6	27.6	24.9	23.6	24.8	25.8	25.7	25.3	24.9	23.3	22.9	22.0	21.7
New entrants	13.1	12.4	10.9	10.9	11.4	12.3	12.2	11.7	11.2	11.2	10.8	11.5	10.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.7	3.0	3.8	4.2	3.9	3.7	3.7	3.8	4.5	4.9	5.5	6.0	6.6
Job leavers .....	.8	.8	.9	.8	.8	.8	.8	.8	.9	.8	.8	.7	.7
Reentrants	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.1	2.0	2.2	2.2	2.3
New entrants .....	.8	.8	.8	.8	.8	.9	.9	.9	.9	1.0	1.0	1.2	1.1

NOTE: Data in this table have been revised. See article in this issue for additional information.

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

(In thousands)

Sex and age	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	99,654	99,837	98,965	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	98,605	99,135
16 to 19 years	8,061	7,953	7,724	7,598	7,563	7,476	7,347	7,180	6,925	6,733	6,619	6,445	6,394
16 to 17 years	3,353	3,241	3,120	3,055	3,008	2,982	2,895	2,856	2,735	2,664	2,547	2,405	2,402
18 to 19 years	4,721	4,722	4,599	4,546	4,552	4,489	4,449	4,317	4,180	4,077	4,072	4,041	3,995
20 to 24 years	14,323	14,256	14,025	13,986	14,101	14,174	14,149	14,162	14,000	13,823	13,771	13,642	13,524
25 years and over	77,263	77,616	77,216	77,366	77,836	78,540	79,285	79,215	79,164	79,084	79,319	79,573	79,199
25 to 54 years	62,622	62,957	62,665	62,840	63,383	64,013	64,689	64,814	64,805	64,773	64,955	65,188	64,899
55 years and over	14,644	14,655	14,533	14,553	14,448	14,509	14,591	14,426	14,357	14,277	14,368	14,410	14,292
Males, 16 years and over	57,778	57,757	57,006	56,813	57,187	57,417	57,630	57,519	57,022	56,612	56,472	56,119	55,878
16 to 19 years	4,277	4,259	4,120	3,996	3,963	3,939	3,870	3,780	3,670	3,527	3,420	3,282	3,287
16 to 17 years	1,795	1,775	1,686	1,627	1,603	1,586	1,515	1,524	1,481	1,414	1,349	1,224	1,240
18 to 19 years	2,487	2,491	2,430	2,375	2,354	2,352	2,354	2,257	2,193	2,116	2,071	2,063	2,039
20 to 24 years	7,787	7,713	7,525	7,423	7,487	7,528	7,519	7,565	7,397	7,295	7,236	7,163	7,097
25 years and over	45,710	45,779	45,365	45,413	45,729	45,939	46,242	46,187	45,944	45,777	45,821	45,693	45,483
25 to 54 years	36,814	36,868	36,549	36,600	36,925	37,131	37,472	37,500	37,319	37,198	37,235	37,134	36,985
55 years and over	8,884	8,913	8,826	8,814	8,790	8,808	8,785	8,684	8,614	8,572	8,605	8,561	8,489
Females, 16 years and over	41,876	42,080	41,959	42,103	42,328	42,787	43,159	43,001	43,065	43,048	43,247	43,485	43,257
16 to 19 years	3,783	3,694	3,604	3,603	3,600	3,537	3,477	3,400	3,235	3,206	3,199	3,154	3,107
16 to 17 years	1,559	1,466	1,434	1,427	1,405	1,396	1,380	1,332	1,254	1,250	1,199	1,192	1,162
18 to 19 years	2,234	2,230	2,169	2,171	2,198	2,137	2,095	2,060	1,987	1,961	2,001	1,978	1,946
20 to 24 years	6,536	6,544	6,500	6,563	6,614	6,647	6,630	6,597	6,603	6,528	6,536	6,479	6,427
25 years and over	31,553	31,837	31,851	31,953	32,107	32,601	33,044	33,028	33,220	33,307	33,499	33,377	33,717
25 to 54 years	25,808	26,089	26,116	26,240	26,458	26,882	27,217	27,314	27,486	27,575	27,720	28,054	27,914
55 years and over	5,759	5,742	5,707	5,739	5,659	5,701	5,806	5,742	5,743	5,706	5,762	5,849	5,804

NOTE: Data in this table have been revised. See article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[In thousands]

Category	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTIC													
Total, 16 years and over	99,654	99,837	98,965	98,916	99,515	100,204	100,789	100,520	100,087	99,660	99,720	99,605	99,135
Married men, spouse present	39,624	39,515	38,925	38,656	38,928	39,029	39,065	38,864	38,571	38,286	38,247	38,099	37,667
Married women, spouse present	23,472	23,603	23,505	23,455	23,574	23,890	24,066	23,896	23,825	23,848	24,111	24,189	24,074
OCCUPATION													
White-collar workers	50,981	51,438	51,684	52,159	52,254	52,806	52,935	52,958	53,097	52,878	53,474	53,748	53,785
Professional and technical	15,490	15,749	15,965	16,013	16,148	16,244	16,225	16,524	16,684	16,715	16,910	17,079	17,102
Managers and administrators, except farm	10,860	10,972	11,064	11,252	11,269	11,668	11,494	11,522	11,481	11,252	11,499	11,539	11,682
Sales workers	6,432	6,355	6,163	6,330	6,365	6,372	6,455	6,436	6,436	6,551	6,575	6,583	6,614
Clerical workers	18,198	18,362	18,492	18,563	18,471	18,522	18,761	18,475	18,496	18,360	18,489	18,548	18,387
Blue-collar workers	32,801	32,393	31,330	30,836	31,318	31,215	31,679	31,445	30,687	30,331	29,853	29,359	28,862
Craft and kindred workers	13,242	13,030	12,759	12,637	12,737	12,716	12,827	12,654	12,447	12,456	12,335	12,239	12,066
Operatives, except transport	11,181	10,867	10,506	10,350	10,543	10,548	10,699	10,641	10,274	9,923	9,635	9,225	8,950
Transport equipment operatives	3,659	3,652	3,526	3,458	3,490	3,442	3,477	3,512	3,470	3,444	3,405	3,352	3,308
Nonfarm laborers	4,718	4,845	4,539	4,390	4,548	4,509	4,675	4,638	4,496	4,509	4,477	4,542	4,539
Service workers	13,221	13,255	13,219	13,242	13,207	13,367	13,390	13,385	13,613	13,622	13,698	13,951	13,777
Farm workers	2,722	2,744	2,728	2,727	2,775	2,733	2,784	2,747	2,723	2,753	2,695	2,724	2,727
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,467	1,474	1,430	1,380	1,434	1,439	1,509	1,472	1,426	1,420	1,476	1,536	1,569
Self-employed workers	1,626	1,629	1,622	1,660	1,655	1,643	1,650	1,625	1,634	1,640	1,665	1,615	1,625
Unpaid family workers	300	276	291	302	315	283	265	253	271	317	257	254	231
Nonagricultural industries:													
Wage and salary workers	88,987	89,074	88,292	88,195	88,610	89,310	89,919	89,712	89,242	88,716	88,625	88,543	87,992
Government	15,717	15,794	15,981	15,945	15,943	15,925	15,794	15,541	15,500	15,517	15,511	15,571	15,476
Private industries	73,270	73,280	72,311	72,251	72,667	73,385	74,125	74,171	73,743	73,198	73,114	72,972	72,516
Private households	1,259	1,177	1,211	1,207	1,172	1,218	1,210	1,186	1,222	1,213	1,202	1,216	1,209
Other industries	72,011	72,104	71,100	71,044	71,494	72,167	72,915	72,985	72,521	71,986	71,912	71,756	71,316
Self-employed workers	6,896	6,979	6,883	7,024	7,110	7,081	7,070	7,111	7,120	7,084	7,270	7,349	7,339
Unpaid family workers	419	404	420	420	405	395	354	393	422	419	400	393	389
PERSONS AT WORK¹													
Nonagricultural industries	90,611	90,657	89,862	89,738	90,562	91,407	91,414	91,550	91,243	90,582	90,918	90,595	90,230
Full-time schedules	74,584	74,395	73,164	72,910	73,885	74,490	74,592	74,555	73,756	72,880	72,659	72,019	71,445
Part time for economic reasons	3,462	3,531	4,166	4,312	4,212	4,290	4,160	4,497	5,093	5,389	5,681	5,964	6,413
Usually work full time	1,473	1,501	1,873	1,819	1,662	1,657	1,574	1,731	2,019	2,050	2,173	2,222	2,254
Usually work part time	1,989	2,030	2,293	2,494	2,550	2,634	2,586	2,766	3,074	3,339	3,508	3,742	4,159
Part time for noneconomic reasons	12,565	12,731	12,532	12,516	12,465	12,627	12,662	12,498	12,394	12,313	12,579	12,612	12,372

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

NOTE: Data in this table have been revised. See article in this issue for additional information.

**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	1979	1980				1981				1982			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Total not in labor force.....	60,098	60,237	60,657	60,967	61,200	61,060	61,035	61,933	61,874	62,205	61,932	61,393	62,072
Do not want job now.....	54,610	54,814	55,105	55,464	55,551	55,221	55,586	56,064	55,922	56,016	55,678	55,258	55,322
Current activity:													
Going to school.....	6,164	6,272	6,362	6,734	6,335	6,337	6,588	6,516	6,485	6,368	6,746	6,339	6,400
Ill, disabled.....	4,578	4,756	4,547	4,190	4,337	4,198	4,265	4,345	4,270	4,055	4,069	4,040	3,978
Keeping house.....	29,274	28,952	29,336	29,329	29,474	28,817	28,812	28,977	28,533	28,982	28,325	28,212	28,127
Retired.....	10,476	10,811	10,752	11,136	11,170	11,515	11,771	11,901	12,108	12,104	12,206	12,442	12,576
Other.....	4,118	4,023	4,109	4,076	4,236	4,354	4,150	4,325	4,526	4,507	4,333	4,254	4,241
Want a job now.....	5,462	5,601	5,594	5,891	5,724	5,918	5,679	5,716	6,037	6,132	6,589	6,566	6,995
Reason not looking:													
School attendance.....	1,533	1,486	1,491	1,644	1,524	1,559	1,544	1,536	1,591	1,620	1,708	1,833	1,887
Ill health, disability.....	781	771	747	801	712	800	731	704	834	764	779	778	758
Home responsibilities.....	1,282	1,336	1,218	1,287	1,219	1,293	1,276	1,183	1,386	1,353	1,480	1,370	1,373
Think cannot get job.....	779	949	950	1,014	1,061	1,094	1,042	1,108	1,191	1,331	1,487	1,638	1,849
Job-market factors.....	488	593	651	693	726	825	725	812	890	1,045	1,082	1,222	1,391
Personal factors.....	290	356	298	321	335	269	317	296	301	286	405	416	458
Other reasons ¹	1,087	1,058	1,190	1,145	1,208	1,172	1,086	1,185	1,035	1,063	1,135	1,078	1,128
Males													
Total not in labor force.....	17,585	17,612	17,811	18,004	18,196	18,240	18,334	18,733	18,825	19,030	18,975	19,032	19,069
Do not want job now.....	15,784	15,959	15,993	16,150	16,384	16,331	16,613	16,875	16,883	16,827	16,972	16,939	16,893
Want a job now.....	1,756	1,743	1,845	1,956	1,853	1,934	1,867	1,830	2,014	2,074	2,166	2,238	2,390
Reason not looking:													
School attendance.....	763	712	770	860	754	797	771	731	801	879	899	964	1,022
Ill health, disability.....	340	324	352	362	294	376	334	318	409	322	334	342	298
Think cannot get job.....	293	354	328	386	367	373	412	389	439	509	577	595	690
Other reasons ¹	361	353	395	349	438	388	351	392	366	363	356	397	380
Females													
Total not in labor force.....	42,513	42,624	42,846	42,962	43,004	42,819	42,701	43,100	43,049	43,175	42,956	42,810	43,002
Do not want job now.....	38,826	38,855	39,112	39,314	39,167	38,890	38,973	39,189	39,039	39,190	38,706	38,319	38,429
Want a job now.....	3,706	3,858	3,750	3,935	3,871	3,984	3,812	3,886	4,023	4,058	4,423	4,359	4,605
Reason not looking:													
School attendance.....	770	774	721	785	770	762	773	805	791	741	809	839	866
Ill health, disability.....	441	447	394	440	418	424	397	387	425	442	445	436	459
Home responsibilities.....	1,282	1,336	1,218	1,287	1,219	1,293	1,276	1,183	1,386	1,353	1,480	1,370	1,373
Think cannot get job.....	486	595	622	627	695	722	630	718	751	822	911	1,043	1,159
Other reasons.....	727	705	795	796	770	784	735	793	670	700	778	631	748
White													
Total not in labor force.....	52,105	51,967	52,336	52,750	52,873	52,500	52,483	53,178	53,228	53,493	53,139	53,119	53,248
Do not want job now.....	47,871	47,834	48,218	48,505	48,658	48,184	48,416	48,943	48,839	48,970	48,535	48,431	48,444
Want a job now.....	4,096	4,297	4,187	4,217	4,178	4,347	4,117	4,104	4,400	4,417	4,707	4,772	4,972
Reason not looking:													
School attendance.....	1,131	1,067	1,101	1,097	1,075	1,112	1,050	984	1,163	1,171	1,202	1,226	1,320
Ill health, disability.....	514	567	550	539	495	580	519	501	561	525	556	549	505
Home responsibilities.....	1,007	1,096	952	986	931	950	978	869	1,040	992	1,039	1,043	1,029
Think cannot get job.....	551	677	636	698	681	750	705	747	800	875	995	1,072	1,247
Other reasons.....	893	889	948	897	997	955	866	1,003	836	853	914	882	871
Black and other													
Total not in labor force.....	7,979	8,267	8,302	8,228	8,325	8,586	8,540	8,672	8,613	8,739	8,771	8,768	8,792
Do not want job now.....	6,700	6,844	6,874	6,689	6,880	6,891	6,952	7,195	7,065	6,887	6,857	6,965	6,913
Want a job now.....	1,332	1,356	1,382	1,614	1,528	1,624	1,542	1,576	1,625	1,777	1,845	1,918	2,008
Reason not looking:													
School attendance.....	415	429	376	483	466	466	481	505	452	473	493	498	599
Ill health, disability.....	239	222	209	255	187	243	223	207	237	261	235	229	215
Home responsibilities.....	281	248	254	302	297	341	287	317	360	356	418	333	364
Think cannot get job.....	216	286	307	310	382	357	335	354	388	478	482	549	595
Other reasons.....	182	170	237	263	197	218	216	193	187	209	217	239	236

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Data in this table have been revised. See article in this issue for additional information.

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	
TOTAL											
Total not in labor force	61,991	62,346	7,669	7,554	4,881	4,850	21,653	21,615	27,787	28,327	
Do not want a job now	56,306	55,775	6,312	6,037	3,948	3,717	18,853	18,392	27,194	27,630	
Current activity:											
Going to school	8,328	8,232	5,601	5,408	2,015	1,952	705	857	7	15	
Ill, disabled	4,247	3,961	16	26	102	99	1,957	1,880	2,171	1,958	
Keeping house	28,322	27,932	373	320	1,436	1,323	13,691	13,261	12,822	13,027	
Retired	11,831	12,282	--	--	--	--	275	297	11,556	11,985	
Other	3,578	3,368	322	283	395	343	2,225	2,097	638	645	
Want a job now	5,687	6,571	1,359	1,518	933	1,131	2,799	3,223	593	698	
Reason not looking:											
School attendance	1,500	1,785	1,025	1,172	247	335	222	274	6	5	
Ill health, disability	837	756	30	9	82	77	557	522	169	147	
Home responsibilities	1,281	1,266	81	73	248	327	904	817	46	48	
Think cannot get job	1,118	1,736	124	177	200	259	573	991	220	308	
Job-market factors	829	1,291	80	117	162	197	489	825	101	153	
Personal factors	289	445	44	59	38	62	85	169	120	154	
Other reasons ¹	951	1,028	99	87	156	133	543	619	152	190	
Males											
Total not in labor force	19,211	19,569	3,596	3,655	1,645	1,637	3,559	3,625	10,412	10,653	
Do not want a job now	17,336	17,376	2,948	2,876	1,331	1,252	2,926	2,909	10,131	10,334	
Current activity:											
Going to school	4,174	4,148	2,776	2,705	1,081	1,035	314	400	2	6	
Ill, disabled	2,302	2,117	8	9	51	42	1,103	1,070	1,140	994	
Keeping house	316	327	13	9	3	7	97	88	202	222	
Retired	8,516	8,871	--	--	--	--	215	223	8,301	8,648	
Other	2,028	1,913	151	153	196	168	1,197	1,128	486	464	
Want a job now	1,876	2,193	649	779	314	384	634	715	282	317	
Reason not looking:											
School attendance	754	960	539	658	128	189	87	110	1	4	
Ill health, disability	411	300	17	1	48	36	264	197	82	66	
Think cannot get job	375	589	52	74	75	110	142	260	107	145	
Other reasons ¹	336	344	41	46	63	49	141	148	92	102	
Females											
Total not in labor force	42,780	42,777	4,073	3,899	3,236	3,213	18,095	17,990	17,376	17,675	
Do not want a job now	38,969	38,399	3,362	3,162	2,617	2,462	15,923	15,483	17,063	17,292	
Current activity:											
Going to school	4,154	4,084	2,824	2,703	934	916	389	457	5	9	
Ill, disabled	1,945	1,844	8	16	51	55	851	811	1,031	962	
Keeping house	28,005	27,605	359	312	1,433	1,316	13,596	13,172	12,619	12,804	
Retired	3,314	3,410	--	--	--	--	60	74	3,255	3,336	
Other	1,551	1,456	171	131	199	175	1,027	969	153	181	
Want a job now	3,811	4,378	710	738	619	748	2,170	2,507	311	383	
Reason not looking:											
School attendance	746	825	487	514	118	146	137	164	5	1	
Ill health, disability	426	456	13	8	34	42	294	323	87	82	
Home responsibilities	1,281	1,266	81	73	248	327	904	817	46	48	
Think cannot get job	743	1,147	71	103	126	149	432	731	113	164	
Other reasons ¹	615	681	58	40	93	84	403	472	60	88	

¹ 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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
WHITE												
Total not in labor force	53,336	53,505	9,772	9,628	18,475	18,316	25,089	25,562	16,201	16,513	37,136	36,992
Do not want a job now	49,174	48,788	8,146	7,806	16,418	15,987	24,603	24,992	14,839	14,963	34,335	33,825
Current activity:												
Going to school	6,584	6,529	6,028	5,876	549	644	6	8	3,320	3,318	3,264	3,211
Ill, disabled	3,492	3,189	103	98	1,555	1,453	1,832	1,634	1,919	1,698	1,573	1,491
Keeping house	25,525	25,145	1,533	1,399	12,239	11,835	11,752	11,910	254	266	25,271	24,879
Retired	10,704	11,130	—	—	257	278	10,446	10,854	7,741	8,099	2,963	3,031
Other	2,869	2,795	482	433	1,818	1,777	567	586	1,605	1,582	1,264	1,213
Want a job now	4,164	4,716	1,626	1,818	2,057	2,335	485	568	1,362	1,551	2,802	3,165
Reason not looking:												
School attendance	1,082	1,241	942	1,040	136	197	5	5	548	664	534	577
Ill health, disability	595	536	89	75	392	360	116	103	303	233	292	303
Home responsibilities	960	951	233	255	698	659	29	38	—	—	960	951
Think cannot get job	765	1,196	181	283	395	653	189	259	236	395	529	801
Other reasons ¹	762	792	181	165	436	466	146	163	275	259	487	533
BLACK AND OTHER												
Total not in labor force	8,655	8,841	2,778	2,777	3,178	3,299	2,700	2,765	3,011	3,056	5,644	5,785
Do not want a job now	7,134	6,987	2,110	1,943	2,433	2,408	2,594	2,633	2,499	2,414	4,635	4,573
Current activity:												
Going to school	1,744	1,705	1,590	1,482	154	215	1	6	854	832	890	873
Ill, disabled	757	773	15	23	402	427	341	322	385	419	372	354
Keeping house	2,797	2,786	273	244	1,453	1,426	1,070	1,116	62	61	2,735	2,725
Retired	1,126	1,151	—	—	17	20	1,110	1,131	775	772	351	379
Other	710	572	232	194	407	320	72	58	423	330	287	242
Want a job now	1,522	1,853	668	832	745	889	108	132	513	641	1,009	1,212
Reason not looking:												
School attendance	418	543	328	466	89	77	1	—	206	295	212	248
Ill health, disability	241	219	24	12	164	161	52	46	107	67	134	152
Home responsibilities	321	315	98	146	206	159	17	10	—	—	321	315
Think cannot get job	353	540	143	152	179	339	31	48	139	194	214	346
Other reasons ¹	189	236	75	56	107	153	7	28	61	85	128	151

¹ 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 1982						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	181	18	—	27	136	159	22
Lacks education or training	145	29	29	85	2	86	58
Other personal handicap	119	12	33	57	16	83	35
Job-market factors:							
Could not find job	631	74	109	390	59	366	264
Thinks no job available	660	43	88	435	94	501	158
Males							
Personal factors:							
Employers think too young or old	70	5	—	—	65	62	9
Lacks education or training	39	14	8	17	—	29	10
Other personal handicap	51	3	14	25	10	38	13
Job-market factors:							
Could not find job	230	37	47	123	22	120	109
Thinks no job available	198	15	41	95	47	146	52
Females							
Personal factors:							
Employers think too young or old	111	13	—	27	71	97	13
Lacks education or training	105	16	21	67	2	57	48
Other personal handicap	68	10	20	31	6	45	22
Job-market factors:							
Could not find job	401	36	62	266	36	246	155
Thinks no job available	462	28	47	339	47	355	106

HOUSEHOLD DATA QUARTERLY AVERAGES

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
Total, not in labor force	61,991	62,346	12,550	12,404	21,653	21,615	27,787	28,327	53,336	53,505	8,655	8,841
Never worked	9,566	9,657	5,128	5,295	2,123	2,168	2,316	2,194	7,489	7,362	2,077	2,295
Last worked over 5 years ago	30,944	31,565	265	306	10,702	10,555	19,976	20,703	27,415	27,854	3,529	3,710
Last worked 1 to 5 years ago	11,040	11,460	1,893	1,977	5,259	5,541	3,887	3,944	9,497	9,893	1,543	1,568
Left job during previous 12 months	10,440	9,663	5,264	4,827	3,569	3,349	1,608	1,486	8,934	8,396	1,505	1,267
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	45.8	45.7	63.5	63.5	37.9	37.8	5.5	5.3	47.2	46.7	37.8	38.7
Ill health, disability	7.5	6.9	1.7	1.4	11.8	11.9	17.2	13.1	7.2	6.7	9.5	7.9
Retirement, old age	9.5	10.0	--	--	4.0	5.2	52.8	53.5	10.3	10.5	4.6	6.6
Economic reasons	21.8	23.9	20.9	21.7	25.2	28.1	17.0	21.6	20.2	22.5	31.6	32.9
End of seasonal job	8.9	9.2	10.1	11.2	8.2	7.7	6.2	6.2	8.1	8.6	13.8	13.2
Slack work	7.1	9.1	5.6	5.8	9.9	14.6	5.5	7.2	6.6	8.4	9.9	13.6
End of temporary job	5.9	5.6	5.2	4.7	7.1	5.8	5.3	8.2	5.5	5.5	8.0	6.2
All other reasons	15.3	13.5	13.9	13.3	21.1	17.0	7.4	6.5	15.1	13.5	16.4	13.8
Males, not in labor force	19,211	19,569	5,241	5,292	3,559	3,625	10,412	10,653	16,201	16,513	3,011	3,056
Never worked	2,410	2,627	2,105	2,247	250	339	55	41	1,685	1,775	725	852
Last worked over 5 years ago	8,633	8,963	38	49	1,442	1,361	7,154	7,553	7,542	7,840	1,091	1,122
Last worked 1 to 5 years ago	3,814	3,907	559	570	1,034	1,108	2,221	2,229	3,256	3,356	558	552
Left job during previous 12 months	4,355	4,072	2,540	2,427	831	815	983	830	3,717	3,542	637	529
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	40.3	42.2	62.1	62.4	18.0	21.7	2.7	3.0	42.1	43.2	29.5	35.2
Ill health, disability	9.5	7.8	1.9	1.2	24.0	22.6	17.0	12.7	9.1	7.9	11.6	7.0
Retirement, old age	15.4	14.7	--	--	9.8	12.0	60.0	60.6	17.0	15.7	6.4	7.9
Economic reasons	20.0	23.5	20.7	23.4	23.3	28.0	15.3	19.3	18.1	21.5	31.2	36.9
End of seasonal job	9.4	10.7	11.2	13.4	6.6	5.8	7.0	7.5	8.5	9.5	14.4	18.7
Slack work	5.7	8.6	4.6	6.1	12.1	19.4	3.2	5.2	5.2	7.8	8.8	13.8
End of temporary job	4.9	4.2	4.9	3.9	4.6	2.8	5.1	6.7	4.4	4.2	8.0	4.3
All other reasons	14.8	11.8	15.2	13.0	24.8	15.7	5.0	4.4	13.7	11.6	21.2	13.0
Females, not in labor force	42,780	42,777	7,309	7,112	18,095	17,990	17,376	17,675	37,136	36,992	5,644	5,785
Never worked	7,157	7,030	3,023	3,048	1,873	1,829	2,261	2,153	5,804	5,587	1,352	1,443
Last worked over 5 years ago	22,311	22,602	228	257	9,260	9,194	12,824	13,150	19,873	20,014	2,438	2,588
Last worked 1 to 5 years ago	7,226	7,553	1,335	1,405	4,225	4,433	1,666	1,715	6,241	6,537	985	1,016
Left job during previous 12 months	6,086	5,592	2,726	2,401	2,736	2,534	624	657	5,217	4,854	868	738
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	49.8	48.2	64.9	64.8	43.9	43.0	9.8	8.1	50.8	49.3	43.9	41.2
Ill health, disability	6.1	6.2	1.4	1.6	8.1	8.6	17.7	13.9	5.8	5.8	8.0	8.5
Retirement, old age	5.2	6.6	--	--	2.2	3.0	41.5	44.7	5.6	6.7	3.2	5.7
Economic reasons	23.1	24.2	21.1	19.9	25.8	28.1	19.8	24.4	21.7	23.3	31.9	30.1
End of seasonal job	8.5	8.1	9.1	8.8	8.7	8.3	5.0	4.4	7.7	7.9	13.3	9.2
Slack work	8.1	9.4	6.6	5.5	9.3	13.0	9.0	9.7	7.6	8.8	10.7	13.4
End of temporary job	6.6	6.7	5.4	5.5	7.8	6.9	5.8	10.2	6.3	6.5	8.0	7.5
All other reasons	15.7	14.8	12.5	13.7	19.9	17.3	11.1	9.0	16.2	14.9	12.9	14.4

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
Total	51,477	51,332	6,316	6,100	17,915	17,538	27,244	27,694	45,027	44,881	6,449	6,451
Do not intend to seek work	10,514	11,013	6,234	6,303	3,738	4,077	543	632	8,308	8,624	2,205	2,389
Intend to seek work in the next 12 months	1,870	2,113	1,721	1,916	138	188	11	8	1,322	1,430	547	682
Never worked	1,055	1,315	36	68	895	1,067	125	180	812	987	243	328
Last worked over 5 years ago	2,301	2,630	855	953	1,258	1,436	186	241	1,756	1,973	544	657
Last worked 1 to 5 years ago	5,288	4,955	3,622	3,366	1,447	1,387	219	203	4,417	4,233	871	722
Worked during previous 12 months	Males											
Do not intend to seek work	15,179	15,335	2,327	2,252	2,734	2,727	10,116	10,355	12,975	13,171	2,203	2,164
Intend to seek work in the next 12 months	4,032	4,233	2,913	3,040	823	897	296	297	3,225	3,342	807	891
Never worked	753	944	721	883	33	59	--	2	517	640	236	304
Last worked over 5 years ago	144	210	7	21	92	115	46	72	111	152	33	58
Last worked 1 to 5 years ago	674	804	293	354	273	336	106	114	514	610	160	194
Worked during previous 12 months	2,461	2,275	1,892	1,780	423	386	144	108	2,082	1,939	378	336
Females												
Do not intend to seek work	36,298	35,997	3,988	3,848	15,181	14,809	17,129	17,339	32,052	31,710	4,246	4,287
Intend to seek work in the next 12 months	6,482	6,780	3,321	3,264	2,915	3,180	246	336	5,083	5,282	1,398	1,498
Never worked	1,117	1,168	1,001	1,032	105	130	11	6	805	790	311	378
Last worked over 5 years ago	911	1,105	29	46	803	952	80	108	701	835	210	270
Last worked 1 to 5 years ago	1,627	1,826	562	599	985	1,100	81	127	1,242	1,363	384	463
Worked during previous 12 months	2,827	2,680	1,730	1,585	1,023	1,000	74	95	2,335	2,294	493	386

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
TOTAL								
Civilian noninstitutional population . . .	170,990	173,046	148,650	149,927	18,363	18,719	9,545	9,377
Civilian labor force	108,999	110,700	95,314	96,422	11,199	11,454	6,984	5,918
Percent of population	63.7	64.0	64.1	64.3	61.0	61.2	63.7	63.1
Employed	100,364	99,351	88,718	87,663	9,365	9,176	5,432	5,345
Agriculture	3,245	3,330	3,006	3,076	167	181	220	247
Nonagricultural industries	97,119	96,021	85,712	84,587	9,198	8,995	5,211	4,798
Unemployed	8,635	11,349	6,596	8,759	1,835	2,277	652	873
Unemployment rate	7.9	10.3	6.9	9.1	16.4	19.9	10.7	14.8
Not in labor force	61,991	62,346	53,336	53,505	7,163	7,265	3,461	3,458
Males, 20 years and over								
Civilian noninstitutional population . . .	72,912	74,105	64,151	64,951	7,078	7,251	4,010	3,845
Civilian labor force	57,297	58,191	50,717	51,255	5,293	5,457	3,393	3,252
Percent of population	78.6	78.5	79.1	78.9	74.8	75.3	84.6	84.6
Employed	53,451	52,672	47,748	46,949	4,503	4,405	3,085	2,834
Agriculture	2,378	2,431	2,178	2,229	144	145	155	191
Nonagricultural industries	51,073	50,241	45,570	44,720	4,358	4,260	2,929	2,643
Unemployed	3,846	5,519	2,969	4,305	789	1,052	308	418
Unemployment rate	6.7	9.5	5.9	8.4	14.9	19.3	9.1	12.9
Not in labor force	15,616	15,914	13,434	13,696	1,785	1,794	615	592
Females, 20 years and over								
Civilian noninstitutional population . . .	82,036	83,346	71,137	72,059	9,010	9,224	4,334	4,353
Civilian labor force	43,330	44,468	37,154	38,075	5,117	5,225	2,157	2,167
Percent of population	52.8	53.4	52.2	52.8	56.8	56.6	50.0	49.8
Employed	40,281	40,576	34,888	35,131	4,426	4,384	1,946	1,870
Agriculture	583	568	552	536	17	19	31	37
Nonagricultural industries	39,698	40,008	34,336	34,595	4,409	4,365	1,915	1,833
Unemployed	3,049	3,892	2,266	2,944	692	841	221	297
Unemployment rate	7.0	8.8	6.1	7.7	13.5	16.1	10.2	13.7
Not in labor force	38,707	38,878	33,983	33,984	3,893	3,998	2,167	2,186
Both sexes, 16-19 years								
Civilian noninstitutional population . . .	16,042	15,595	13,362	12,917	2,275	2,244	1,201	1,179
Civilian labor force	8,372	8,041	7,442	7,092	790	771	523	499
Percent of population	52.2	51.6	55.7	54.9	34.7	34.4	43.5	42.3
Employed	6,632	6,103	6,081	5,582	436	387	400	341
Agriculture	284	331	276	311	6	16	24	20
Nonagricultural industries	6,348	5,772	5,806	5,271	430	370	377	321
Unemployed	1,741	1,938	1,361	1,510	354	385	123	158
Unemployment rate	20.8	24.1	18.3	21.3	44.8	49.9	23.5	31.6
Not in labor force	7,669	7,554	5,919	5,825	1,485	1,472	678	679

HOUSEHOLD DATA QUARTERLY AVERAGES

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 ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
TOTAL								
Civilian noninstitutional population	9,545	9,377	5,788	5,627	1,239	1,266	731	787
Civilian labor force	6,084	5,918	3,824	3,656	621	660	464	507
Percent of population	63.7	63.1	66.1	65.0	50.1	52.1	63.5	64.4
Employed	5,432	5,045	3,417	3,091	543	531	423	440
Agriculture	220	247	205	233	4	2	--	2
Nonagricultural industries	5,211	4,798	3,212	2,858	538	529	423	438
Unemployed	652	873	407	565	78	128	40	67
Unemployment rate	10.7	14.8	10.6	15.4	12.6	19.5	8.7	13.2
Not in labor force	3,461	3,458	1,964	1,971	619	606	267	280
Males, 20 years and over								
Civilian noninstitutional population	4,010	3,845	2,497	2,370	459	477	321	317
Civilian labor force	3,393	3,252	2,170	2,054	359	372	251	256
Percent of population	84.6	84.6	86.9	86.7	78.2	78.0	78.2	80.8
Employed	3,085	2,834	1,976	1,780	319	306	233	220
Agriculture	165	191	154	180	3	2	1	2
Nonagricultural industries	2,920	2,643	1,822	1,600	316	305	233	219
Unemployed	308	418	194	274	40	66	18	35
Unemployment rate	9.1	12.9	8.9	13.3	11.2	17.7	7.0	13.8
Not in labor force	616	592	327	317	100	105	70	61
Females, 20 years and over								
Civilian noninstitutional population	4,334	4,353	2,526	2,526	593	602	336	402
Civilian labor force	2,167	2,167	1,284	1,266	218	238	177	219
Percent of population	50.0	49.8	50.8	50.1	36.8	39.5	52.7	54.5
Employed	1,946	1,870	1,152	1,079	194	198	163	193
Agriculture	31	37	27	35	1	--	--	1
Nonagricultural industries	1,915	1,833	1,124	1,045	192	198	163	193
Unemployed	221	297	132	187	25	39	14	25
Unemployment rate	10.2	13.7	10.3	14.8	11.3	16.6	7.8	11.6
Not in labor force	2,167	2,186	1,243	1,260	375	364	159	183
Both sexes, 16-19 years								
Civilian noninstitutional population	1,201	1,179	765	730	187	187	74	68
Civilian labor force	523	499	370	336	43	50	36	32
Percent of population	43.5	42.3	48.4	46.0	23.0	26.7	48.6	47.1
Employed	400	341	289	232	30	27	27	26
Agriculture	24	20	24	19	--	--	--	--
Nonagricultural industries	377	321	265	214	30	27	27	26
Unemployed	123	158	81	104	13	23	9	6
Unemployment rate	23.5	31.6	21.9	30.8	(2)	(2)	(2)	(2)
Not in labor force	678	679	394	394	144	137	38	36

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

² Percent not shown where base is less than 60,000.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
CHARACTERISTIC								
Total, 16 years and over	100,364	99,351	88,718	87,663	11,646	11,688	5,432	5,045
Males	56,901	55,730	50,911	49,747	5,990	5,982	3,320	3,023
Females	43,463	43,621	37,807	37,916	5,656	5,706	2,112	2,022
OCCUPATION								
White-collar workers	53,452	54,133	48,575	49,200	4,877	4,934	1,890	1,854
Professional and technical	16,892	17,323	15,224	15,627	1,668	1,696	435	445
Managers and administrators, except farm	11,424	11,618	10,761	10,953	663	665	364	324
Sales workers	6,572	6,746	6,191	6,366	380	380	222	230
Clerical workers	18,565	18,447	16,399	16,253	2,166	2,193	869	855
Blue-collar workers	30,661	28,810	26,655	24,965	4,006	3,845	2,414	2,100
Craft and kindred workers	12,426	12,041	11,405	11,001	1,020	1,040	714	653
Operatives, except transport	10,358	9,015	8,627	7,486	1,731	1,529	1,090	874
Transport equipment operatives	3,515	3,349	2,994	2,865	520	484	224	213
Nonfarm laborers	4,363	4,405	3,628	3,614	735	791	386	360
Service workers	13,590	13,748	10,997	11,026	2,593	2,722	944	905
Farm workers	2,660	2,660	2,491	2,473	170	188	188	187
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,360	1,495	1,183	1,293	177	202	209	230
Self-employed workers	1,627	1,616	1,570	1,568	57	48	12	17
Unpaid family workers	258	219	253	215	5	4	--	--
Nonagricultural industries:								
Wage and salary workers	89,596	88,307	78,695	77,362	10,901	10,945	4,920	4,508
Government	15,672	15,641	13,164	13,044	2,508	2,597	670	669
Private industries	73,923	72,665	65,531	64,317	8,392	8,348	4,250	3,839
Private households	1,244	1,219	880	865	364	354	98	109
Other industries	72,679	71,446	64,651	63,452	8,028	7,994	4,152	3,730
Self-employed workers	7,129	7,350	6,643	6,885	486	465	271	276
Unpaid family workers	394	364	374	340	21	24	19	14
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	80,469	78,091	70,953	68,772	9,517	9,319	4,472	4,041
Part time for economic reasons	5,110	6,469	4,236	5,345	875	1,124	407	502
Part time for noneconomic reasons	14,784	14,791	13,529	13,546	1,254	1,245	552	502

¹ 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 ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
CHARACTERISTIC								
Total, 16 years and over	5,432	5,045	3,417	3,091	543	531	423	440
Males	3,320	3,023	2,152	1,911	337	319	248	233
Females	2,112	2,022	1,265	1,180	205	213	175	207
OCCUPATION								
White-collar workers	1,890	1,854	1,023	976	223	211	221	234
Professional and technical	435	445	213	196	51	49	64	79
Managers and administrators, except farm	364	324	180	163	38	32	47	40
Sales workers	222	230	121	125	18	25	34	28
Clerical workers	869	855	509	492	116	105	76	87
Blue-collar workers	2,414	2,100	1,650	1,416	216	217	154	133
Craft and kindred workers	714	653	484	441	50	62	54	42
Operatives, except transport	1,090	874	724	555	108	105	68	63
Transport equipment operatives	224	213	153	144	23	29	14	11
Nonfarm laborers	386	360	289	276	35	21	18	17
Service workers	944	905	569	521	100	102	48	70
Farm workers	183	187	175	179	3	1	--	2
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	209	230	199	221	4	2	--	1
Self-employed workers	12	17	7	12	1	--	--	2
Unpaid family workers	--	--	--	--	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,920	4,508	3,060	2,696	521	511	374	404
Government	670	669	454	437	83	88	30	32
Private industries	4,250	3,839	2,606	2,259	438	422	344	371
Private households	98	109	57	61	--	10	2	--
Other industries	4,152	3,730	2,549	2,198	438	412	342	371
Self-employed workers	271	276	140	155	13	17	47	31
Unpaid family workers	19	14	11	8	4	2	2	3
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,472	4,041	2,768	2,438	482	442	349	360
Part time for economic reasons	407	502	322	366	19	32	11	32
Part time for noneconomic reasons	552	502	327	288	41	57	64	48

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

² 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-63. Employed persons by sex, age, race, and Hispanic origin

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
Total, 16 years and over	100,364	99,351	88,718	87,663	9,365	9,176	5,432	5,045
16 to 19 years	6,632	6,103	6,081	5,582	436	387	400	341
16 to 17 years	2,590	2,257	2,429	2,099	120	111	128	79
18 to 19 years	4,041	3,846	3,653	3,483	316	276	273	262
20 to 24 years	14,000	13,517	12,410	11,921	1,329	1,293	929	805
25 years and over	79,732	79,730	70,227	70,159	7,600	7,497	4,103	3,899
25 to 54 years	65,290	65,363	57,212	57,212	6,403	6,328	3,671	3,501
55 years and over	14,443	14,367	13,015	12,948	1,197	1,168	432	397
Males, 16 years and over	56,901	55,730	50,911	49,747	4,737	4,592	3,320	3,023
16 to 19 years	3,450	3,058	3,163	2,798	234	187	235	189
16 to 17 years	1,360	1,122	1,281	1,048	62	48	79	44
18 to 19 years	2,090	1,936	1,881	1,750	172	138	155	145
20 to 24 years	7,343	7,042	6,531	6,226	676	656	542	459
25 years and over	46,108	45,630	41,218	40,723	3,827	3,749	2,543	2,375
25 to 54 years	37,453	37,107	33,314	32,954	3,218	3,152	2,243	2,110
55 years and over	8,655	8,523	7,904	7,770	609	596	300	265
Females, 16 years and over	43,463	43,621	37,807	37,916	4,628	4,584	2,112	2,022
16 to 19 years	3,182	3,045	2,919	2,784	202	200	166	152
16 to 17 years	1,230	1,135	1,147	1,051	59	62	48	35
18 to 19 years	1,952	1,910	1,771	1,733	144	138	118	117
20 to 24 years	6,657	6,475	5,879	5,695	653	637	387	346
25 years and over	33,624	34,101	29,009	29,437	3,773	3,747	1,559	1,523
25 to 54 years	27,837	28,258	23,898	24,259	3,185	3,176	1,427	1,391
55 years and over	5,788	5,844	5,111	5,178	588	571	132	131

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

Sex and age	Total		White		Black		Hispanic origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
Total, 16 years and over	7.9	10.3	6.9	9.1	16.4	19.9	10.7	14.8
16 to 19 years	20.8	24.1	18.3	21.3	44.8	49.9	23.5	31.6
16 to 17 years	21.5	26.4	19.5	24.3	48.4	51.1	28.1	48.3
18 to 19 years	20.3	22.7	17.5	19.4	43.3	49.3	21.1	24.2
20 to 24 years	12.4	15.4	10.2	13.1	28.2	32.0	13.7	19.1
25 years and over	5.8	8.0	5.2	7.2	11.2	14.6	8.5	11.9
25 to 54 years	6.3	8.6	5.5	7.7	12.0	15.7	8.6	12.0
55 years and over	3.7	5.2	3.4	4.8	6.3	8.5	7.9	10.4
Males, 16 years and over	7.8	10.6	6.8	9.4	16.8	21.6	10.6	14.5
16 to 19 years	21.8	26.4	19.7	23.5	42.2	53.3	26.6	33.6
16 to 17 years	22.6	29.7	20.6	27.4	48.1	56.8	33.1	49.7
18 to 19 years	21.2	24.3	19.0	20.8	39.7	52.0	22.8	26.3
20 to 24 years	13.6	17.1	11.6	14.8	29.3	33.6	13.0	19.7
25 years and over	5.5	8.2	4.8	7.3	11.7	16.1	8.2	11.4
25 to 54 years	6.0	8.8	5.3	7.9	12.6	17.1	8.5	11.3
55 years and over	3.5	5.5	3.2	5.0	6.9	10.5	6.0	11.7
Females, 16 years and over	8.1	9.8	7.0	8.7	15.9	18.1	10.9	15.1
16 to 19 years	19.7	21.7	16.7	19.0	47.5	46.1	18.5	29.0
16 to 17 years	20.3	22.8	18.2	20.9	48.7	45.6	18.0	46.5
18 to 19 years	19.3	21.0	15.8	17.8	47.0	46.4	18.8	21.5
20 to 24 years	11.0	13.5	8.7	11.2	27.1	30.2	14.8	18.2
25 years and over	6.2	7.8	5.5	7.0	10.7	13.1	8.9	12.7
25 to 54 years	6.6	8.4	5.9	7.5	11.5	14.2	8.6	13.1
55 years and over	4.0	4.9	3.8	4.6	5.8	6.2	11.3	7.7

**HOUSEHOLD DATA
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A-65. Unemployed persons by duration of unemployment, race, and Hispanic origin

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
DURATION								
Total, 16 years and over	8,635	11,349	6,596	8,759	2,039	2,590	652	873
Less than 5 weeks	3,660	3,788	2,854	2,955	806	833	310	331
5 to 14 weeks	2,823	3,470	2,207	2,774	616	696	220	283
15 weeks and over	2,152	4,090	1,535	3,030	617	1,060	122	259
15 to 26 weeks	1,092	1,889	808	1,441	284	448	65	133
27 weeks and over	1,060	2,201	727	1,589	333	612	58	126
Average (mean) duration, in weeks	13.1	17.4	12.3	16.5	15.8	20.3	10.4	14.4
Median duration, in weeks	6.6	9.6	6.4	9.3	7.7	10.7	5.5	8.6
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.4	33.4	43.3	33.7	39.5	32.2	47.5	37.9
5 to 14 weeks	32.7	30.6	33.5	31.7	30.2	26.9	33.7	32.3
15 weeks and over	24.9	36.0	23.3	34.6	30.3	40.9	18.8	29.7
15 to 26 weeks	12.6	16.6	12.2	16.5	13.9	17.3	10.0	15.2
27 weeks and over	12.3	19.4	11.0	18.1	16.3	23.6	8.9	14.4

A-66. Unemployed persons by reason for unemployment, race, and Hispanic origin

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
NUMBER OF UNEMPLOYED								
Total, 16 years and over	8,635	11,349	6,596	8,759	2,039	2,590	652	873
Job losers	4,631	6,978	3,599	5,488	1,032	1,490	400	567
On layoff	1,590	2,241	1,326	1,907	265	334	128	164
Other job losers	3,040	4,737	2,273	3,580	767	1,157	271	403
Job leavers	921	793	766	649	155	144	55	58
Reentrants	2,183	2,417	1,610	1,830	573	587	138	154
New entrants	900	1,161	621	792	279	369	60	95
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	53.6	61.4	54.6	62.7	50.6	57.6	61.3	64.9
On layoff	18.4	19.7	20.1	21.8	13.0	12.9	19.6	18.8
Other job losers	35.2	41.7	34.5	40.9	37.6	44.7	41.6	46.1
Job leavers	10.7	7.0	11.6	7.4	7.6	5.6	8.4	6.6
Reentrants	25.3	21.3	24.4	20.9	28.1	22.7	21.2	17.6
New entrants	10.4	10.2	9.4	9.0	13.7	14.2	9.2	10.9
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	4.2	6.3	3.8	5.7	7.5	10.4	6.6	9.6
Job leavers .....	.8	.7	.8	.7	1.1	1.0	.9	1.0
Reentrants	2.0	2.2	1.7	1.9	4.2	4.1	2.3	2.6
New entrants8	1.0	.7	.8	2.0	2.6	1.0	1.6

**HOUSEHOLD DATA
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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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
VETERANS											
Total 25 years and over	8,633	8,415	8,176	7,914	7,631	7,185	546	729	6.7	9.2	
25 to 29 years	7,298	6,773	7,006	6,480	6,511	5,847	495	634	7.1	9.8	
30 to 34 years	1,399	1,045	1,303	968	1,152	815	151	153	11.6	15.8	
35 to 39 years	3,199	2,674	3,077	2,549	2,877	2,312	200	237	6.5	9.3	
40 years and over	2,700	3,054	2,626	2,963	2,481	2,720	144	243	5.5	8.2	
	1,336	1,642	1,170	1,434	1,120	1,338	50	96	4.3	6.7	
NONVETERANS											
Total, 25 to 39 years	17,573	18,895	16,637	17,900	15,511	16,113	1,126	1,786	6.8	10.0	
25 to 29 years	7,976	8,368	7,495	7,886	6,879	6,941	615	945	8.2	12.0	
30 to 34 years	5,668	6,272	5,408	5,957	5,090	5,454	318	503	5.9	8.4	
35 to 39 years	3,929	4,255	3,734	4,057	3,542	3,719	193	338	5.2	8.3	

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
Total, 25 to 39 years:												
Civilian noninstitutional population	6,523	5,969	775	804	294	237	15,139	16,289	2,434	2,606	1,400	1,416
Civilian labor force	6,293	5,751	713	729	275	226	14,493	15,588	2,144	2,312	1,301	1,322
Employed	5,879	5,246	632	601	247	205	13,650	14,212	1,862	1,902	1,173	1,151
Unemployed	414	505	81	128	28	21	843	1,376	282	410	128	171
Unemployment rate	6.6	8.8	11.4	17.6	10.2	9.3	5.8	8.8	13.2	17.7	9.8	12.9
25 to 29 years												
Civilian noninstitutional population	1,210	853	189	192	76	36	6,920	7,267	1,056	1,101	625	594
Civilian labor force	1,141	806	162	162	72	36	6,590	6,917	905	969	577	549
Employed	1,022	701	130	114	66	33	6,126	6,166	754	775	517	464
Unemployed	119	105	32	48	6	3	464	751	151	194	60	85
Unemployment rate	10.4	13.0	19.8	29.6	8.3	8.3	7.0	10.9	16.7	20.0	10.4	15.5
30 to 34 years												
Civilian noninstitutional population	2,877	2,367	322	307	116	103	4,857	5,374	811	898	448	457
Civilian labor force	2,778	2,269	299	280	112	99	4,679	5,161	729	796	421	426
Employed	2,610	2,072	267	240	98	84	4,441	4,781	650	673	380	377
Unemployed	168	197	32	40	14	15	238	380	79	123	41	49
Unemployment rate	6.0	8.7	10.7	14.3	12.5	15.2	5.1	7.4	10.8	15.5	9.7	11.5
35 to 39 years												
Civilian noninstitutional population	2,436	2,749	264	305	102	98	3,362	3,648	567	607	327	365
Civilian labor force	2,374	2,676	252	287	91	91	3,224	3,510	510	547	303	347
Employed	2,247	2,473	235	247	83	88	3,083	3,265	458	454	276	310
Unemployed	127	203	17	40	8	3	141	245	52	93	27	37
Unemployment rate	5.3	7.6	6.7	13.9	8.8	3.3	4.4	7.0	10.2	17.0	8.9	10.7

**HOUSEHOLD DATA
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**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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
TOTAL												
Civilian noninstitutional population	116,157	118,109	47,938	48,607	68,219	69,503	54,833	54,936	4,342	4,272	50,491	50,664
Civilian labor force	75,360	76,878	29,972	30,552	45,388	46,327	33,639	33,821	2,765	2,731	30,874	31,090
Percent of population	64.9	65.1	62.5	62.9	66.5	66.7	61.3	61.6	63.7	63.9	61.1	61.4
Employed	69,567	69,049	27,234	26,950	42,333	42,099	30,797	30,302	2,659	2,588	28,138	27,714
Unemployed	5,794	7,830	2,738	3,602	3,056	4,228	2,841	3,519	107	142	2,734	3,377
Unemployment rate	7.7	10.2	9.1	11.8	6.7	9.1	8.4	10.4	3.9	5.2	8.9	10.9
Not in labor force	40,796	41,231	17,967	18,055	22,829	23,177	21,195	21,115	1,577	1,542	19,618	19,573
Males, 20 years and over												
Civilian noninstitutional population	49,454	50,447	20,063	20,400	29,391	30,048	23,458	23,657	1,998	1,979	21,460	21,678
Civilian labor force	39,484	40,183	15,464	15,789	24,020	24,394	17,813	18,008	1,630	1,602	16,183	16,406
Percent of population	79.8	79.7	77.1	77.4	81.7	81.2	75.9	76.1	81.6	80.9	75.4	75.7
Employed	36,879	36,380	14,226	13,983	22,653	22,397	16,572	16,292	1,587	1,532	14,985	14,760
Unemployed	2,605	3,803	1,238	1,806	1,367	1,997	1,240	1,716	44	69	1,196	1,647
Unemployment rate	6.6	9.5	8.0	11.4	5.7	8.2	7.0	9.5	2.7	4.3	7.4	10.0
Not in labor force	9,970	10,265	4,599	4,611	5,371	5,654	5,645	5,649	368	378	5,277	5,271
Females, 20 years and over												
Civilian noninstitutional population	55,987	57,143	23,686	24,124	32,301	33,019	26,049	26,203	1,885	1,846	24,164	24,357
Civilian labor force	30,273	31,236	12,542	12,867	17,731	18,368	13,057	13,233	890	881	12,167	12,352
Percent of population	54.1	54.7	53.0	53.3	54.9	55.6	50.1	50.5	47.2	47.7	50.4	50.7
Employed	28,236	28,541	11,549	11,645	16,687	16,897	12,045	12,035	854	843	11,191	11,192
Unemployed	2,037	2,694	992	1,223	1,045	1,471	1,012	1,198	36	38	976	1,160
Unemployment rate	6.7	8.6	7.9	9.5	5.9	8.0	7.8	9.1	4.0	4.3	8.0	9.4
Not in labor force	25,714	25,908	11,145	11,257	14,569	14,650	12,992	12,970	995	965	11,997	12,005
Both sexes, 16-19 years												
Civilian noninstitutional population	10,715	10,519	4,188	4,082	6,527	6,437	5,326	5,076	459	447	4,867	4,629
Civilian labor force	5,604	5,460	1,965	1,896	3,639	3,564	2,769	2,580	245	248	2,524	2,332
Percent of population	52.3	51.9	46.9	46.4	55.8	55.4	52.0	50.8	53.3	55.4	51.9	50.4
Employed	4,452	4,128	1,457	1,323	2,995	2,805	2,180	1,975	218	213	1,962	1,762
Unemployed	1,152	1,332	508	573	644	759	589	606	27	35	562	571
Unemployment rate	20.6	24.4	25.9	30.2	17.7	21.3	21.3	23.5	11.1	14.0	22.3	24.5
Not in labor force	5,111	5,059	2,222	2,187	2,889	2,872	2,558	2,496	214	199	2,344	2,297
White												
Civilian noninstitutional population	98,871	100,148	36,009	36,442	62,862	63,707	49,779	49,779	4,097	4,085	45,682	45,694
Civilian labor force	64,605	65,570	22,839	23,226	41,766	42,345	30,709	30,851	2,651	2,638	28,058	28,213
Percent of population	65.3	65.5	63.4	63.7	66.4	66.5	61.7	62.0	64.7	64.6	61.4	61.7
Employed	60,378	59,781	21,252	21,085	39,126	38,696	28,339	27,882	2,559	2,507	25,780	25,375
Unemployed	4,227	5,789	1,587	2,141	2,640	3,648	2,369	2,970	93	131	2,276	2,839
Unemployment rate	6.5	8.8	6.9	9.2	6.3	8.6	7.7	9.6	3.5	5.0	8.1	10.1
Not in labor force	34,266	34,578	13,170	13,216	21,096	21,362	19,070	18,928	1,446	1,447	17,624	17,481
Black and other												
Civilian noninstitutional population	17,286	17,961	11,928	12,165	5,358	5,797	5,055	5,157	245	187	4,810	4,970
Civilian labor force	10,756	11,308	7,133	7,325	3,623	3,982	2,930	2,970	114	92	2,816	2,878
Percent of population	62.2	63.0	59.8	60.2	67.6	68.7	58.0	57.6	46.5	49.5	58.5	57.9
Employed	9,188	9,267	5,982	5,865	3,206	3,402	2,458	2,421	100	82	2,358	2,339
Unemployed	1,567	2,040	1,151	1,460	416	580	472	549	14	11	458	538
Unemployment rate	14.6	18.0	16.1	19.9	11.5	14.6	16.1	18.5	12.3	11.8	16.3	18.7
Not in labor force	6,530	6,654	4,795	4,840	1,735	1,815	2,125	2,187	131	94	1,994	2,093

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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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
TOTAL												
Civilian noninstitutional population	30,365	30,199	140,626	142,847	11,439	11,283	104,717	106,826	18,925	18,916	35,908	36,021
Civilian labor force	17,024	17,082	91,975	93,618	6,192	6,187	69,168	70,691	10,832	10,895	22,807	22,926
Percent of population	56.1	56.6	65.4	65.5	54.1	54.8	66.1	66.2	57.2	57.6	63.5	63.6
Employed	15,073	14,710	85,290	84,641	5,284	5,092	64,282	63,957	9,789	9,619	21,008	20,684
Unemployed	1,950	2,372	6,685	8,977	908	1,095	4,886	6,734	1,043	1,277	1,799	2,243
Unemployment rate	11.5	13.9	7.3	9.6	14.7	17.7	7.1	9.5	9.6	11.7	7.9	9.8
Not in labor force	13,341	13,117	48,650	49,229	5,247	5,097	35,549	36,135	8,094	8,020	13,101	13,094
White												
Civilian noninstitutional population	21,409	21,235	127,241	128,692	5,821	5,711	93,050	94,437	15,587	15,524	34,191	34,255
Civilian labor force	12,268	12,271	83,046	84,151	3,266	3,216	61,339	62,355	9,002	9,055	21,707	21,796
Percent of population	57.3	57.8	65.3	65.4	56.1	56.3	65.9	66.0	57.8	58.3	63.5	63.6
Employed	11,233	1,078	77,485	76,727	2,955	2,799	57,423	56,983	8,277	8,137	20,062	19,744
Unemployed	1,035	1,335	5,561	7,424	310	417	3,916	5,372	725	918	1,645	2,052
Unemployment rate	8.4	10.9	6.7	8.8	9.5	13.0	6.4	8.6	8.1	10.1	7.6	9.4
Not in labor force	9,141	8,964	44,195	44,541	2,556	2,495	31,710	32,083	6,585	6,469	12,485	12,458
Black and other												
Civilian noninstitutional population	8,956	8,964	13,385	14,155	5,618	5,573	11,668	12,389	3,338	3,391	1,717	1,766
Civilian labor force	4,756	4,812	8,930	9,466	2,926	2,971	7,829	8,337	1,829	1,840	1,100	1,130
Percent of population	53.1	53.7	66.7	66.9	52.1	53.3	67.1	67.3	54.8	54.3	64.1	64.0
Employed	3,841	3,775	7,805	7,913	2,329	2,293	6,859	6,974	1,512	1,482	946	939
Unemployed	915	1,037	1,124	1,553	597	678	970	1,362	318	359	154	191
Unemployment rate	19.2	21.5	12.6	16.4	20.4	22.8	12.4	16.3	17.4	19.5	14.0	16.9
Not in labor force	4,200	4,152	4,455	4,688	2,692	2,602	3,838	4,052	1,508	1,551	616	636

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 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982	IV 1981	IV 1982
TOTAL												
Both sexes, 16 years and over	11.5	13.9	7.3	9.6	14.7	17.7	7.1	9.5	9.6	11.7	7.9	9.8
Males, 20 years and over	9.7	12.7	6.1	8.9	13.5	16.7	6.0	8.8	7.6	10.5	6.6	9.0
Females, 20 years and over	10.4	11.7	6.4	8.2	12.3	14.7	6.2	8.1	9.3	9.9	7.0	8.7
Both sexes, 16-19 years	28.3	32.7	19.4	22.3	34.9	42.6	19.2	22.8	24.8	29.1	19.7	20.8
White												
Both sexes, 16 years and over	8.4	10.9	6.7	8.8	9.5	13.0	6.4	8.6	8.1	10.1	7.6	9.4
Males, 20 years and over	7.4	10.2	5.6	8.1	9.6	12.6	5.3	7.9	6.5	9.3	6.4	8.7
Females, 20 years and over	7.3	8.7	5.9	7.6	7.5	10.3	5.7	7.4	7.2	8.2	6.7	8.3
Both sexes, 16-19 years	21.4	27.0	17.8	20.4	19.0	31.2	17.4	20.6	22.1	25.7	18.9	19.9
Black and other												
Both sexes, 16 years and over	19.2	21.5	12.6	16.4	20.4	22.8	12.4	16.3	17.4	19.5	14.0	16.9
Males, 20 years and over	16.8	20.2	11.5	16.1	18.7	22.0	11.5	16.2	13.9	17.5	11.9	15.9
Females, 20 years and over	17.0	18.2	10.4	13.2	16.7	18.7	10.1	13.0	17.5	17.3	12.2	14.5
Both sexes, 16-19 years	45.8	51.9	37.4	41.2	50.1	53.7	37.3	41.9	38.3	48.8	38.2	37.4

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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 1981					IV 1982				
	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
TOTAL										
Total families	61,199	6,567	29.0	71.0	61.7	61,773	8,408	31.2	68.8	58.0
With children under 18 years of age	31,120	4,073	31.1	68.9	59.7	31,202	5,119	33.2	66.8	55.6
Married-couple families	49,366	4,790	21.6	78.4	69.8	49,761	6,271	23.8	76.2	65.1
With children under 18 years of age	24,591	3,025	21.4	78.6	69.6	24,598	3,931	24.2	75.8	63.8
Families maintained by females	9,394	1,441	51.0	49.0	37.7	9,581	1,698	54.8	45.2	34.5
With children under 18 years of age	5,704	935	60.1	39.9	29.5	5,784	1,032	64.1	35.9	26.9
Families maintained by males	2,438	335	39.9	60.1	48.8	2,431	438	46.3	53.7	45.9
With children under 18 years of age	825	113	50.0	50.0	41.1	819	156	56.4	43.6	36.5
White										
Total families	53,313	5,079	26.1	73.9	64.5	53,712	6,653	29.0	71.0	60.0
With children under 18 years of age	26,283	3,068	27.2	72.8	63.2	26,287	4,006	30.5	69.5	57.8
Married-couple families	44,889	4,011	21.5	78.5	69.7	45,103	5,311	23.6	76.4	65.3
With children under 18 years of age	21,921	2,489	21.3	78.7	69.5	21,845	3,303	23.8	76.2	64.1
Families maintained by females	6,441	824	44.7	55.3	43.3	6,635	1,014	52.9	47.1	35.9
With children under 18 years of age	3,680	496	53.6	46.4	34.7	3,777	581	63.5	36.5	25.8
Families maintained by males	1,983	244	39.1	60.9	50.2	1,973	328	44.1	55.9	47.7
With children under 18 years of age	681	84	45.1	54.9	46.3	666	122	54.1	45.9	40.2
Black										
Total families	6,596	1,327	39.3	60.7	51.2	6,679	1,528	40.4	59.6	49.5
With children under 18 years of age	1,013	890	43.8	56.2	47.7	4,048	968	43.8	56.2	47.0
Married-couple families	3,461	665	21.5	78.5	70.6	3,542	779	24.6	75.4	64.4
With children under 18 years of age	2,002	454	21.3	78.7	70.8	2,023	507	24.6	75.4	64.0
Families maintained by females	2,765	583	59.3	40.7	30.0	2,760	648	57.6	42.4	32.7
With children under 18 years of age	1,898	412	67.6	32.4	23.4	1,896	430	65.3	34.7	28.1
Families maintained by males	370	79	41.8	58.2	45.6	376	101	53.5	46.5	41.6
With children under 18 years of age	114	24	(1)	(1)	(1)	129	31	(1)	(1)	(1)
Hispanic origin										
Total families	3,495	497	31.3	68.7	59.6	3,385	658	35.7	64.3	53.5
With children under 18 years of age	2,375	355	32.1	67.9	59.2	2,310	480	40.0	60.0	50.0
Married-couple families	2,557	362	24.8	75.2	66.9	2,489	492	29.1	70.9	59.8
With children under 18 years of age	1,781	281	24.2	75.8	67.3	1,729	369	31.3	68.7	58.0
Families maintained by females	740	103	49.5	50.5	36.9	715	134	61.9	38.1	29.1
With children under 18 years of age	537	67	62.7	37.3	26.9	525	102	70.6	29.4	21.6
Families maintained by males	198	32	(1)	(1)	(1)	181	32	(1)	(1)	(1)
With children under 18 years of age	56	7	(1)	(1)	(1)	56	9	(1)	(1)	(1)

¹ Percent not shown where base is less than 60,000.

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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 1981				IV 1982			
	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
TOTAL								
Total unemployed	8,635	40.9	59.1	51.2	11,349	42.9	57.1	48.1
In families	7,402	31.0	69.0	59.8	9,790	33.8	66.2	55.7
Husbands	1,820	44.5	55.5	41.9	2,735	45.0	55.0	38.6
With children under 18 years of age	1,189	48.4	51.6	37.0	1,791	48.1	51.9	33.8
Wives	1,548	18.1	81.9	75.8	2,027	22.5	77.5	70.1
With children under 18 years of age	998	16.7	83.3	76.9	1,339	21.9	78.1	70.5
Relatives in married-couple families	2,006	10.6	89.4	83.8	2,524	11.3	88.7	81.9
Females who maintain families	615	81.1	18.9	10.7	728	82.9	17.1	10.0
With children under 18 years of age	504	89.4	10.6	4.0	606	89.8	10.2	5.0
Relatives in families maintained by females	1,032	32.4	67.6	54.2	1,261	37.8	62.2	49.3
Males who maintain families	149	66.5	33.5	23.0	201	75.7	24.3	15.4
With children under 18 years of age	65	79.2	20.8	13.2	89	84.4	15.6	7.4
Relatives in families maintained by males	233	27.3	72.7	62.8	313	33.3	66.7	59.3
Not in families ¹	1,233	--	--	--	1,559	--	--	--
White								
Total unemployed	6,596	38.9	61.1	53.3	8,759	41.1	58.9	49.7
In families	5,630	28.4	71.6	62.4	7,564	31.7	68.3	57.5
Husbands	1,507	44.8	55.2	40.6	2,313	45.8	54.2	37.5
With children under 18 years of age	956	49.1	50.9	35.3	1,495	48.8	51.2	32.7
Wives	1,295	17.5	82.5	76.7	1,715	21.0	79.0	71.5
With children under 18 years of age	813	15.6	84.4	78.0	1,119	19.9	80.1	72.3
Relatives in married-couple families	1,655	10.6	89.4	84.1	2,036	10.3	89.7	83.0
Females who maintain families	332	75.5	24.5	14.2	433	79.5	20.5	11.2
With children under 18 years of age	257	87.4	12.6	4.9	352	87.5	12.5	5.1
Relatives in families maintained by females	559	27.0	73.0	60.1	700	36.7	63.3	50.5
Males who maintain families	108	64.4	35.6	26.4	150	75.0	25.0	16.1
With children under 18 years of age	47	(2)	(2)	(2)	70	85.3	14.7	7.1
Relatives in families maintained by males	173	30.3	69.7	59.9	217	26.8	73.2	64.3
Not in families ¹	966	--	--	--	1,195	--	--	--
Black								
Total unemployed	1,835	47.5	52.5	44.4	2,277	49.8	50.2	41.7
In families	1,595	39.6	60.4	51.1	1,953	41.5	58.5	48.6
Husbands	262	42.7	57.3	50.3	331	40.3	59.7	44.0
With children under 18 years of age	192	45.4	54.6	45.9	229	43.1	56.9	39.3
Wives	210	21.5	78.5	70.4	258	30.8	69.2	61.2
With children under 18 years of age	152	22.1	77.9	71.7	187	31.6	68.4	61.3
Relatives in married-couple families	315	9.8	90.2	83.1	410	15.2	84.8	77.1
Females who maintain families	263	88.1	11.9	6.1	279	88.7	11.3	7.9
With children under 18 years of age	232	91.4	8.6	3.0	243	93.0	7.0	5.1
Relatives in families maintained by females	456	38.8	61.2	47.0	542	38.7	61.3	47.9
Males who maintain families	34	(2)	(2)	(2)	45	(2)	(2)	(2)
With children under 18 years of age	13	(2)	(2)	(2)	17	(2)	(2)	(2)
Relatives in families maintained by males	55	(2)	(2)	(2)	89	50.1	49.9	48.9
Not in families ¹	240	--	--	--	324	--	--	--
Hispanic origin								
Total unemployed	652	42.9	57.1	49.1	873	44.9	55.1	45.2
In families	564	34.1	65.9	56.7	778	38.2	61.8	50.7
Husbands	160	50.0	50.0	39.3	222	59.0	41.0	29.2
With children under 18 years of age	128	50.6	49.4	38.3	174	62.3	37.7	26.7
Wives	107	13.3	86.7	79.1	155	20.4	79.6	67.9
With children under 18 years of age	78	11.9	88.1	80.5	117	20.8	79.2	67.9
Relatives in married-couple families	138	12.2	87.8	82.0	204	11.0	89.0	78.6
Females who maintain families	47	(2)	(2)	(2)	64	85.8	14.2	10.8
With children under 18 years of age	36	(2)	(2)	(2)	56	(2)	(2)	(2)
Relatives in families maintained by females	67	34.0	66.0	51.5	92	46.3	53.7	39.6
Males who maintain families	20	(2)	(2)	(2)	16	(2)	(2)	(2)
With children under 18 years of age	5	(2)	(2)	(2)	6	(2)	(2)	(2)
Relatives in families maintained by males	26	(2)	(2)	(2)	25	(2)	(2)	(2)
Not in families ¹	88	--	--	--	95	--	--	--

¹ 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.

² Percent not shown where base is less than 60,000.

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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 1981				IV 1982			
	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
TOTAL								
Total employed	100,364	38.0	62.0	52.0	99,351	38.5	61.5	50.7
In families	84,629	26.5	73.5	61.7	83,605	27.0	73.0	60.3
Husbands	37,827	36.2	63.8	45.2	36,994	36.3	63.7	44.2
With children under 18 years of age	22,344	38.8	61.2	39.5	21,699	39.0	61.0	38.7
Wives	23,962	9.9	90.1	85.0	24,094	11.5	88.5	82.1
With children under 18 years of age	12,913	6.1	93.9	89.7	13,043	8.2	91.8	86.3
Relatives in married-couple families	11,216	6.2	93.8	89.5	11,036	6.9	93.1	87.7
Females who maintain families	5,096	67.3	32.7	21.6	5,065	67.3	32.7	20.5
With children under 18 years of age	3,397	79.6	20.4	9.9	3,377	79.5	20.5	9.7
Relatives in families maintained by females	3,584	28.1	71.9	60.1	3,587	28.0	72.0	60.3
Males who maintain families	1,671	58.1	41.9	31.5	1,618	57.8	42.2	31.1
With children under 18 years of age	679	74.3	25.7	14.7	640	73.2	26.8	14.5
Relatives in families maintained by males	1,273	18.9	81.1	72.9	1,211	18.8	81.2	72.2
Not in families ¹	15,735	--	--	--	15,746	--	--	--
White								
Total employed	88,718	37.4	62.6	52.3	87,663	37.9	62.1	51.0
In families	74,975	25.9	74.1	61.9	73,938	26.4	73.6	60.5
Husbands	34,527	36.6	63.4	44.2	33,638	36.7	63.3	43.3
With children under 18 years of age	20,118	39.5	60.5	37.7	19,470	39.7	60.3	37.1
Wives	21,489	9.4	90.6	85.5	21,571	11.1	88.9	82.5
With children under 18 years of age	11,334	5.5	94.5	90.4	11,431	7.6	92.4	86.8
Relatives in married-couple families	10,161	6.1	93.9	89.6	9,959	6.9	93.1	87.7
Females who maintain families	3,669	64.9	35.1	22.8	3,684	64.5	35.5	22.0
With children under 18 years of age	2,399	78.2	21.8	9.9	2,403	77.6	22.4	10.1
Relatives in families maintained by females	2,725	28.2	71.8	60.2	2,744	27.5	72.5	61.0
Males who maintain families	1,381	57.9	42.1	30.9	1,354	57.5	42.5	30.4
With children under 18 years of age	576	72.4	27.6	15.6	536	71.7	28.3	14.7
Relatives in families maintained by males	1,023	19.8	80.2	71.7	987	18.6	81.4	73.1
Not in families ¹	13,743	--	--	--	13,725	--	--	--
Black								
Total employed	9,365	44.3	55.7	48.1	9,176	45.2	54.8	46.2
In families	7,700	32.3	67.7	58.6	7,575	33.7	66.3	56.0
Husbands	2,497	30.4	69.6	57.6	2,517	31.9	68.1	53.9
With children under 18 years of age	1,653	30.5	69.5	57.7	1,631	31.3	68.7	54.7
Wives	1,887	15.4	84.6	78.3	1,892	16.9	83.1	76.1
With children under 18 years of age	1,198	12.3	87.7	82.5	1,202	13.2	86.8	80.8
Relatives in married-couple families	753	7.9	92.1	86.4	743	6.3	93.7	86.1
Females who maintain families	1,328	74.0	26.0	18.0	1,281	76.2	23.8	15.4
With children under 18 years of age	932	83.2	16.8	9.8	911	85.0	15.0	8.2
Relatives in families maintained by females	797	28.3	71.7	59.3	751	31.0	69.0	56.9
Males who maintain families	234	58.3	41.7	33.8	215	61.2	38.8	32.5
With children under 18 years of age	85	85.6	14.4	8.7	88	81.9	18.1	13.6
Relatives in families maintained by males	203	16.0	84.0	75.0	175	21.9	78.1	64.7
Not in families ¹	1,665	--	--	--	1,601	--	--	--
Hispanic origin								
Total employed	5,432	38.7	61.3	52.5	5,045	39.6	60.4	50.4
In families	4,743	29.8	70.2	60.1	4,393	30.7	69.3	57.9
Husbands	2,096	41.9	58.1	45.1	1,936	43.8	56.2	41.4
With children under 18 years of age	1,536	44.9	55.1	41.0	1,449	46.8	53.2	37.9
Wives	1,106	9.2	90.8	85.3	1,050	11.2	88.8	81.8
With children under 18 years of age	755	8.6	91.4	87.0	718	9.2	90.8	84.8
Relatives in married-couple families	711	5.8	94.2	87.5	631	7.9	92.1	82.7
Females who maintain families	317	71.3	28.7	20.6	291	66.8	33.2	21.5
With children under 18 years of age	227	80.7	19.3	11.1	207	76.6	23.4	12.8
Relatives in families maintained by females	247	31.5	68.5	54.7	223	24.7	75.3	65.2
Males who maintain families	135	51.7	48.3	36.9	138	49.4	50.6	39.3
With children under 18 years of age	46	(2)	(2)	(2)	41	(2)	(2)	(2)
Relatives in families maintained by males	131	15.9	84.1	68.3	124	11.8	88.2	80.6
Not in families ¹	689	--	--	--	652	--	--	--

¹ 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.

² Percent not shown where base is less than 60,000.

HOUSEHOLD DATA
QUARTERLY AVERAGES

A-75. 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 1981	III 1982	III 1981	III 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	41,283	41,059	\$442	\$455	3.0	-2.5
Married-couple families	33,854	33,437	481	498	3.7	-1.9
One earner	14,575	14,776	337	346	2.7	-2.8
Husband	11,925	11,628	378	399	5.6	.0
Wife	2,002	2,437	188	197	5.0	-6.6
Other family member	647	711	183	180	-2.0	-7.2
Two or more earners	19,279	18,661	596	626	5.1	-5.5
Husband and wife	16,031	15,759	600	633	5.4	-2.2
Husband and other family member(s)	2,606	2,277	618	639	3.3	-2.2
Wife and other family member(s)	477	452	359	401	11.8	5.8
Other family members only	166	173	337	426	26.5	19.8
Families maintained by females	5,811	5,967	248	257	3.9	-1.6
One earner	4,129	4,206	202	213	5.4	-2.0
Householder	3,168	3,246	210	220	4.6	-1.0
Other family member	961	960	174	185	6.6	1.0
Two or more earners	1,683	1,761	411	417	1.4	-4.0
Families maintained by males	1,618	1,654	387	393	1.5	-3.9
One earner	1,022	1,113	313	332	6.0	.3
Two or more earners	596	541	538	568	5.6	-2.1
White						
Total families with earners ¹	35,871	35,531	456	472	3.6	-2.0
Married-couple families	30,367	29,828	488	507	4.0	-1.5
One earner	13,210	13,356	348	359	3.1	-2.4
Husband	10,972	10,643	388	407	5.0	-6.6
Wife	1,664	2,070	188	198	5.4	-2.2
Two or more earners	17,156	16,472	602	635	5.4	-2.2
Husband and wife	14,259	13,881	605	641	5.9	.3
Families maintained by females	4,197	4,365	256	271	5.9	.3
Families maintained by males	1,308	1,339	409	412	.8	-4.6
Black						
Total families with earners ¹	4,503	4,554	322	332	2.9	-2.6
Married-couple families	2,768	2,836	395	407	3.1	-2.4
One earner	1,105	1,109	246	239	-2.8	-8.0
Husband	742	728	279	273	-2.2	-7.4
Wife	302	329	185	194	4.9	-7.7
Two or more earners	1,663	1,727	513	527	2.8	-2.6
Husband and wife	1,383	1,480	529	541	2.2	-3.3
Families maintained by females	1,488	1,460	227	223	-1.5	-6.8
Families maintained by males	247	257	310	299	-3.7	-8.8
Hispanic origin						
Total families with earners ¹	2,567	2,482	345	355	2.7	-2.8
Married-couple families	2,054	1,972	372	390	5.1	-5.5
One earner	981	1,011	242	261	8.0	2.3
Husband	833	845	262	290	10.4	4.5
Wife	100	127	187	171	-8.8	-13.7
Two or more earners	1,073	961	488	517	6.0	.3
Husband and wife	842	802	491	531	8.3	2.5
Families maintained by females	367	394	230	220	-4.3	-9.4
Families maintained by males	146	115	316	295	-6.7	-11.7

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

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate 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-78. 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 1981	III 1982	III 1981	III 1982	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	3,362	4,333	\$359	\$352	-2.1	-7.3
Husband unemployed	801	1,298	201	201	.0	-5.4
Wife only earner	613	1,057	188	197	4.5	-1.1
Wife and other earner(s)	107	129	361	360	-.1	-5.5
Other earner(s) only	81	112	(2)	119	---	---
Wife unemployed	1,167	1,403	\$337	343	1.8	-3.7
Husband only earner	993	1,201	317	327	3.1	-2.5
Husband and other earner(s)	150	173	554	563	1.7	-3.8
Other earner(s) only	24	29	(2)	(2)	---	---
Other member(s) unemployed	1,394	1,633	535	539	.7	-4.7
Husband or wife earner	639	683	445	430	-3.3	-8.4
Both husband and wife earners	708	885	610	659	8.0	2.2
Other combinations of earners	48	65	(2)	(2)	---	---
Families maintained by females ¹	670	777	217	228	4.9	-.7
Householder unemployed	93	103	(2)	148	---	---
Other member(s) unemployed	577	674	\$229	240	4.7	-.9
Families maintained by males ¹	203	263	299	308	3.3	-2.2

¹ 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.

² Median not shown where base is less than 100,000.

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 1981	III 1982	III 1981	III 1982	Percent change over the year in :	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	74,414	72,011	\$287	\$307	7.1	1.4
Males, 16 years and over	45,269	42,975	345	371	7.6	1.9
16 to 24 years	8,824	7,614	220	221	.7	-4.7
25 years and over	36,445	35,361	381	407	6.9	1.2
Females, 16 years and over	29,145	29,036	224	240	6.8	1.1
16 to 24 years	6,645	6,173	182	189	3.6	-1.9
25 years and over	22,499	22,863	239	258	8.0	2.2
FAMILY RELATIONSHIP						
Husbands	30,126	29,045	386	409	6.1	.4
Wives	14,812	14,669	230	246	7.1	1.4
Others in married-couple families	8,069	7,104	190	196	2.9	-2.6
Females who maintain families	3,844	4,008	231	244	5.5	-.1
Others in such families	2,597	2,543	198	211	6.5	.8
Males who maintain families	1,299	1,320	340	366	7.8	2.0
Others in such families	896	798	207	216	4.4	-1.2
All other males ¹	7,032	6,697	324	350	8.1	2.3
All other females ¹	5,739	5,825	248	272	9.6	3.8
RACE AND HISPANIC ORIGIN						
White	65,012	62,685	293	315	7.6	1.8
Males	40,172	38,054	353	383	8.3	2.6
Females	24,840	24,631	226	242	7.1	1.4
Black	7,604	7,452	240	248	3.4	-2.1
Males	4,085	3,897	274	283	3.2	-2.3
Females	3,519	3,555	211	223	5.5	-.2
Hispanic origin	4,413	4,130	230	241	5.0	-.6
Males	2,906	2,612	250	273	9.0	3.2
Females	1,506	1,518	193	204	5.6	.0

¹ 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 1981	III 1982	III 1981	III 1982	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	15,108	16,310	\$84	\$87	4.0	-1.6
Males, 16 years and over	4,622	5,421	82	85	3.7	-1.8
16 to 24 years	2,796	3,085	75	74	- .9	-6.2
25 years and over	1,826	2,336	132	112	9.9	4.0
Females, 16 years and over	10,486	10,889	86	88	2.4	-3.0
16 to 24 years	3,640	3,710	75	72	-3.9	-9.0
25 years and over	6,846	7,178	94	100	6.8	1.1
FAMILY RELATIONSHIP						
Husbands	1,284	1,610	101	117	15.6	9.5
Wives	5,439	5,687	96	101	5.1	- .5
Others in married-couple families	4,330	4,517	72	70	-2.4	-7.6
Females who maintain families	768	794	92	93	1.8	-3.6
Others in such families	1,034	1,120	72	72	- .2	-5.5
Males who maintain families	82	96	(2)	(2)	--	--
Others in such families	259	248	79	72	-8.7	-13.6
All other males ¹	601	855	103	101	-2.2	-7.4
All other females ¹	1,311	1,384	89	94	4.8	- .8
RACE AND HISPANIC ORIGIN						
White	13,361	14,455	84	89	5.5	- .1
Males	3,993	4,682	82	87	6.1	- .4
Females	9,368	9,774	86	89	3.6	-1.9
Black	1,464	1,498	82	78	-4.2	-9.4
Males	521	566	81	80	-1.9	-7.1
Females	943	932	83	77	-6.2	-11.2
Hispanic origin	707	740	92	87	-5.9	-10.9
Males	247	307	90	83	-7.4	-12.3
Females	460	433	94	92	-2.2	-7.5

¹ 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.
² 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 1981	III 1982	III 1981	III 1982	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	12,592	12,730	\$377	\$413	9.6	3.7
Managers and administrators, except farm	7,934	8,146	413	428	3.7	-1.8
Sales workers	3,633	3,617	294	312	6.2	.5
Clerical workers	14,475	14,115	234	248	6.0	.4
Craft and kindred workers	10,819	10,292	358	382	6.5	.8
Operatives, except transport	9,960	8,338	241	250	3.5	-2.0
Transport equipment operatives	2,905	2,654	308	323	4.8	-.8
Nonfarm laborers	3,636	3,480	235	235	-.1	-5.5
Service workers	7,534	7,751	190	200	5.4	-.2
Farm workers	927	889	174	188	7.8	2.0
Males						
Professional and technical workers	7,178	7,115	436	485	11.3	5.4
Managers and administrators, except farm	5,798	5,708	474	500	5.4	-.2
Sales workers	2,381	2,408	370	379	2.6	-2.9
Clerical workers	3,139	3,036	325	352	8.4	2.6
Craft and kindred workers	10,240	9,612	366	392	7.2	1.5
Operatives, except transport	6,168	4,999	297	315	6.1	.4
Transport equipment operatives	2,742	2,508	313	328	4.6	-.9
Nonfarm laborers	3,261	3,103	242	240	-.9	-6.2
Service workers	3,543	3,719	232	242	4.3	-1.3
Farm workers	819	767	179	186	3.7	-1.9
Females						
Professional and technical workers	5,414	5,614	322	346	7.4	1.7
Managers and administrators, except farm	2,135	2,438	285	311	9.3	3.5
Sales workers	1,252	1,209	193	210	8.3	2.6
Clerical workers	11,336	11,079	221	235	6.4	.7
Craft and kindred workers	579	680	238	242	1.6	-3.8
Operatives, except transport	3,791	3,339	187	195	4.6	-1.0
Transport equipment operatives	163	146	239	255	6.7	1.0
Nonfarm laborers	375	377	190	197	3.7	-1.9
Service workers	3,992	4,032	167	174	4.7	-.9
Farm workers	107	121	141	203	44.7	37.0

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	TOTAL	91,765	91,437	89,516	89,418	89,311	-	-	-	-	-
	PRIVATE SECTOR	75,628	75,329	73,689	73,459	73,382	61,311	61,007	59,478	59,254	59,135
-	MINING	1,203	1,200	1,059	1,052	1,031	885	880	749	744	727
10	METAL MINING	99.9	99.6	58.7	59.2	-	75.1	74.8	41.4	42.2	-
101	Iron ores	19.0	19.1	5.0	4.6	-	14.7	14.7	3.0	2.8	-
102	Copper ores	35.8	35.5	20.6	21.2	-	27.6	27.4	14.6	15.4	-
11, 12	COAL MINING	255.4	252.2	224.3	222.0	-	212.3	209.3	181.9	173.3	-
12	BITUMINOUS COAL AND LIGNITE MINING	251.9	248.7	221.0	218.7	-	209.1	206.2	179.0	177.0	-
13	OIL AND GAS EXTRACTION	728.2	735.0	659.3	656.6	-	507.0	511.0	436.6	435.1	-
13, 2	Crude petroleum, natural gas, and natural gas liquids	276.6	279.3	289.8	290.6	-	119.2	119.7	129.9	130.8	-
138	Oil and gas field services	451.6	455.7	369.5	366.0	-	387.8	391.3	306.7	304.3	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	119.1	112.9	116.6	114.0	-	90.8	85.2	89.2	85.8	-
142	Crushed and broken stone	37.1	34.2	37.3	36.5	-	30.2	27.3	30.0	28.9	-
144	Sand and gravel	34.0	31.0	34.4	33.3	-	-	-	-	-	-
147	Chemical and fertilizer minerals	27.1	26.7	24.3	23.9	-	-	-	-	-	-
	CONSTRUCTION	4,221	4,009	4,083	3,990	3,803	3,300	3,091	3,175	3,086	2,902
15	GENERAL BUILDING CONTRACTORS	1,074.8	1,025.2	995.6	977.2	-	813.3	765.4	742.5	724.7	-
152	Residential building construction	505.9	478.7	486.8	472.7	-	368.0	342.3	352.7	339.5	-
153	Operative builders	53.8	52.3	47.4	47.9	-	29.5	27.6	22.8	23.8	-
154	Nonresidential building construction	515.1	494.2	461.4	456.6	-	415.8	395.5	367.0	361.4	-
16	HEAVY CONSTRUCTION CONTRACTORS	940.9	863.1	912.7	873.4	-	759.9	680.4	738.9	702.3	-
161	Highway and street construction	252.9	212.0	256.2	230.8	-	211.3	172.1	217.7	193.0	-
162	Heavy construction, except highway	688.0	651.1	656.5	642.6	-	548.6	508.3	521.2	509.9	-
17	SPECIAL TRADE CONTRACTORS	2,205.3	2,120.5	2,174.7	2,139.6	-	1,727.2	1,645.1	1,693.5	1,658.0	-
171	Plumbing, heating, air conditioning	523.2	515.4	497.4	494.4	-	387.1	379.7	362.3	358.8	-
172	Painting, paper hanging, decorating	136.7	126.9	137.9	132.2	-	113.7	104.2	114.8	109.2	-
173	Electrical work	416.5	412.2	401.0	396.6	-	322.5	318.6	306.9	301.7	-
174	Masonry, stonework, and plastering	324.6	308.2	316.8	317.9	-	275.5	260.2	268.3	269.0	-
175	Carpentering and flooring	115.5	110.9	114.2	113.3	-	84.9	80.5	85.5	84.3	-
176	Roofing and sheet metal work	166.8	156.6	165.6	163.2	-	135.9	125.2	132.8	130.7	-
	MANUFACTURING	20,025	19,705	18,495	18,298	18,161	13,834	13,515	12,493	12,315	12,195
24, 25, 32-39	DURABLE GOODS	11,979	11,762	10,750	10,629	10,568	8,135	7,922	7,053	6,943	6,886
20-23, 26-31	NONDURABLE GOODS	8,046	7,943	7,745	7,669	7,593	5,699	5,593	5,440	5,372	5,309
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	629.1	606.4	625.4	619.0	610.1	517.1	495.1	515.8	509.9	501.0
241	Logging camps and logging contractors	82.9	76.4	83.0	81.5	-	65.3	59.0	65.1	63.5	-
242	Sawmills and planing mills	191.2	186.9	195.6	193.4	-	167.6	163.0	171.2	169.7	-
2421	Sawmills and planing mills, general	158.0	154.6	164.2	161.7	-	139.0	135.3	144.0	141.3	-
2426	Hardwood dimension and flooring	28.2	27.7	27.1	27.3	-	24.2	23.7	23.4	23.5	-
243	Millwork, plywood, and structural members	174.9	170.6	174.8	175.7	-	141.8	137.7	142.1	142.3	-
2431	Millwork	61.5	59.9	64.2	64.5	-	48.3	46.8	50.4	50.8	-
2434	Wood kitchen cabinets	42.3	41.3	38.7	39.9	-	33.1	32.0	30.0	31.3	-
2435	Hardwood veneer and plywood	23.7	22.7	21.3	21.0	-	20.8	19.8	18.5	18.1	-
2436	Softwood veneer and plywood	34.9	34.6	36.6	36.4	-	30.8	30.4	32.5	32.3	-
244	Wood containers	39.6	38.8	40.0	39.0	-	33.3	32.6	33.8	32.7	-
245	Wood buildings and mobile homes	62.2	57.5	60.0	58.3	-	43.8	40.2	44.2	43.5	-
2451	Mobile homes	45.3	41.7	45.4	43.6	-	33.5	30.6	34.9	33.8	-
249	Miscellaneous wood products	78.3	76.2	72.0	71.1	-	65.3	62.6	59.4	58.5	-
25	FURNITURE AND FIXTURES	467.4	461.9	439.0	438.7	440.2	373.7	369.0	346.6	346.1	347.4
251	Household furniture	295.6	293.4	272.9	272.9	-	245.6	243.3	224.8	224.5	-
2511	Wood household furniture	131.7	131.1	121.8	122.0	-	113.5	112.9	104.3	104.2	-
2512	Upholstered household furniture	88.8	88.0	83.1	83.9	-	72.0	71.0	67.2	68.0	-
2514	Metal household furniture	31.6	31.8	28.2	28.4	-	25.4	25.6	22.4	22.5	-
2515	Mattresses and bedspreads	29.5	28.8	28.4	28.0	-	22.5	21.8	21.2	21.3	-
252	Office furniture	55.7	55.3	53.8	54.0	-	43.5	43.2	41.1	41.4	-
253	Public building and related furniture	23.6	23.2	22.0	21.9	-	17.7	17.3	16.1	15.9	-
254	Partitions and fixtures	61.5	59.6	57.9	57.5	-	45.6	44.2	42.7	42.2	-
259	Miscellaneous furniture and fixtures	31.0	30.4	32.4	32.4	-	21.3	21.0	21.9	22.0	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	628.5	606.9	574.3	563.8	549.5	482.4	461.3	436.5	426.5	412.4
321	Flat glass	17.9	14.5	15.7	15.5	-	14.1	10.5	12.4	12.3	-
322	Glass and glassware, pressed or blown	119.8	117.0	108.7	106.1	-	101.5	98.8	91.3	98.8	-
3221	Glass containers	66.1	64.8	63.1	61.9	-	57.9	56.7	55.5	54.5	-
3229	Pressed and blown glass, nec	53.7	52.2	45.6	44.2	-	43.6	42.1	35.8	34.3	-
323	Products of purchased glass	43.8	42.7	39.9	40.0	-	28.9	27.7	26.4	25.0	-
324	Cement, hydraulic	30.4	29.0	28.2	28.4	-	24.3	22.9	22.3	22.4	-
325	Structural clay products	39.4	37.4	34.2	33.8	-	29.3	27.7	25.0	24.8	-
326	Pottery and related products	42.3	40.8	38.9	38.4	-	34.7	33.5	31.3	30.8	-
327	Concrete, gypsum, and plaster products	189.5	181.3	181.0	176.0	-	145.8	137.6	138.3	133.7	-
3271	Concrete block and brick	18.7	18.2	18.7	18.4	-	12.7	12.2	12.8	12.5	-
3272	Concrete products, nec	64.7	62.7	59.5	57.2	-	48.6	46.6	44.0	41.7	-
3273	Ready-mixed concrete	87.1	81.7	85.3	82.7	-	69.3	63.8	67.5	65.3	-
329	Misc. nonmetallic mineral products	133.5	132.4	115.9	113.7	-	94.2	93.1	80.3	73.3	-
3291	Abrasive products	27.6	27.3	23.4	23.0	-	18.4	18.0	14.4	14.1	-
3292	Asbestos products	15.5	15.5	13.7	13.3	-	11.8	11.7	10.2	9.8	-
3296	Mineral wool	28.7	28.7	27.1	26.8	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,081.0	1,051.5	829.9	814.0	805.2	820.7	794.3	606.3	592.4	585.9
331	Blast furnace and basic steel products	478.7	469.9	339.1	331.9	-	364.3	356.4	247.1	241.1	-
3312	Blast furnaces and steel mills	396.9	390.9	277.7	272.3	-	302.5	297.2	203.1	193.3	-
3317	Steel pipe and tubes	30.6	30.0	22.4	21.7	-	23.6	22.8	15.9	15.3	-
332	Iron and steel foundries	195.2	183.2	140.2	138.7	-	153.8	142.6	105.2	104.1	-
3321	Gray iron foundries	117.5	107.7	86.5	84.9	-	95.1	85.8	67.2	65.7	-
3322	Malleable iron foundries	15.1	14.1	10.7	10.8	-	11.5	10.6	7.7	7.8	-
3325	Steel foundries, nec	49.6	48.5	32.9	33.1	-	38.7	37.6	23.8	24.2	-
333	Primary nonferrous metals	67.8	66.8	53.5	52.9	-	50.2	49.4	38.2	37.2	-
3334	Primary aluminum	34.6	33.6	26.5	26.7	-	26.3	25.4	19.6	19.3	-
335	Nonferrous rolling and drawing	202.6	198.8	178.9	174.4	-	145.4	142.3	125.3	121.5	-
3351	Copper rolling and drawing	28.6	27.7	23.8	23.4	-	21.4	20.6	17.2	15.9	-
3353	Aluminum sheet, plate, and foil	33.1	32.5	29.6	28.8	-	25.5	25.3	22.8	22.0	-
3357	Nonferrous wire drawing and insulating	87.3	86.5	76.5	74.0	-	62.8	61.8	53.2	51.6	-
336	Nonferrous foundries	87.8	85.5	76.4	75.5	-	70.0	68.2	60.0	59.0	-
3361	Aluminum foundries	51.1	49.6	43.3	43.0	-	41.5	40.5	34.9	34.5	-
34	FABRICATED METAL PRODUCTS	1,570.4	1,539.3	1,394.6	1,381.6	1,373.1	1,149.6	1,119.7	1,001.6	990.8	934.4
341	Metal cans and shipping containers	67.8	66.6	64.3	64.0	-	57.4	56.1	54.1	53.9	-
3411	Metal cans	55.1	54.3	52.3	52.2	-	47.3	46.4	44.9	44.9	-
342	Cutlery, hand tools, and hardware	156.2	152.3	131.9	131.0	-	118.1	114.4	94.9	94.5	-
3423,5	Hand and edge tools, and hand saws and blades	54.4	53.9	43.1	42.7	-	41.4	41.2	31.0	31.0	-
3429	Hardware, nec	86.9	83.5	75.2	74.9	-	65.8	62.4	54.6	54.3	-
343	Plumbing and heating, except electric	69.4	68.8	66.9	67.6	-	49.5	48.9	47.0	47.6	-
3432	Plumbing fittings and brass goods	26.3	26.9	26.3	26.5	-	20.8	21.4	20.5	20.5	-
3433	Heating equipment, except electric	32.5	31.5	30.4	30.8	-	21.7	20.8	19.8	20.2	-
344	Fabricated structural metal products	501.2	496.7	451.2	447.2	-	339.8	334.8	303.9	300.1	-
3441	Fabricated structural metal	100.4	100.1	84.4	82.6	-	71.4	71.3	58.3	55.9	-
3442	Metal doors, sash, and trim	78.9	76.0	80.0	80.2	-	56.4	54.0	58.7	59.6	-
3443	Fabricated plate work (boiler shops)	146.6	147.2	125.0	123.3	-	88.3	88.4	74.0	72.9	-
3444	Sheet metal work	107.8	106.5	100.0	99.8	-	76.6	76.7	71.5	71.2	-
3446	Architectural metal work	29.8	29.6	28.5	29.0	-	20.7	20.5	19.7	20.1	-
345	Screw machine products, bolts, etc.	103.5	101.1	85.6	84.6	-	79.3	77.1	63.2	62.3	-
3451	Screw machine products	47.4	46.2	40.3	39.7	-	38.2	37.0	31.4	30.8	-
3452	Bolts, nuts, rivets, and washers	56.1	54.9	45.3	44.9	-	41.1	40.1	31.8	31.5	-
346	Metal forgings and stampings	249.6	238.2	214.9	211.2	-	196.7	186.0	166.7	163.7	-
3462	Iron and steel forgings	42.7	41.8	30.7	29.2	-	33.1	32.3	22.4	21.4	-
3465	Automotive stampings	91.6	83.7	80.6	78.7	-	75.7	68.4	66.6	65.1	-
3469	Metal stampings, nec	103.1	100.8	92.7	92.3	-	78.5	76.1	65.4	69.0	-
347	Metal services, nec	102.1	98.5	89.9	89.2	-	82.1	78.6	70.7	69.9	-
3471	Plating and polishing	69.5	66.3	62.2	61.7	-	57.1	53.9	50.2	49.5	-
3479	Metal coating and allied services	32.6	32.2	27.7	27.5	-	25.0	24.7	20.5	20.3	-
348	Ordinance and accessories, nec	70.3	70.5	71.6	71.9	-	44.7	45.2	45.9	46.5	-
3483	Ammunition, exc. for small arms, nec	26.9	26.9	27.8	28.1	-	17.2	17.0	17.5	18.0	-
349	Misc. fabricated metal products	250.3	246.6	218.3	214.9	-	182.0	178.6	155.2	152.2	-
3494	Valves and pipe fittings	103.8	103.4	88.6	87.1	-	70.1	70.0	58.0	56.7	-
3496	Misc. fabricated wire products	53.2	52.2	50.1	48.7	-	41.0	40.1	37.7	36.5	-
35	MACHINERY, EXCEPT ELECTRICAL	2,510.0	2,494.7	2,137.8	2,109.2	2,103.3	1,577.6	1,560.2	1,247.1	1,222.0	1,208.2
351	Engines and turbines	135.1	132.3	105.4	103.7	-	87.2	84.7	62.5	61.2	-
3511	Turbines and turbine generator sets	45.5	45.7	42.3	41.7	-	24.4	24.8	22.6	22.3	-
3519	Internal combustion engines, nec	89.6	86.6	63.1	62.0	-	62.8	59.9	39.9	33.5	-
352	Farm and garden machinery	149.3	148.6	120.7	117.4	-	98.8	98.5	76.0	73.3	-
3523	Farm machinery and equipment	126.2	125.2	100.9	96.8	-	81.6	81.2	62.8	59.4	-
353	Construction and related machinery	408.4	407.4	294.5	277.1	-	267.1	266.0	160.7	151.8	-
3531	Construction machinery	143.5	141.6	89.7	85.6	-	93.9	92.3	44.5	37.3	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3532	Mining machinery	38.5	38.6	28.3	27.9	-	23.8	23.8	15.4	15.4	-
3533	Oil field machinery	126.4	127.2	86.0	84.1	-	88.3	89.2	54.4	52.5	-
3535	Conveyers and conveying equipment	35.0	35.2	30.2	29.8	-	19.5	19.7	15.7	15.3	-
3537	Industrial trucks and tractors	34.1	34.0	25.6	25.3	-	22.2	21.7	14.9	14.9	-
354	Metalworking machinery	361.0	358.8	297.1	292.3	-	259.9	257.5	204.6	201.5	-
3541	Machine tools, metal cutting types	76.5	75.8	54.0	52.7	-	49.0	48.3	31.2	30.8	-
3542	Machine tools, metal forming types	24.4	24.4	18.1	17.6	-	15.3	15.4	10.4	10.1	-
3544	Special dies, tools, jigs, and fixtures	136.4	135.4	123.3	121.4	-	107.9	106.8	95.2	93.3	-
3545	Machine tool accessories	69.0	69.0	56.1	55.4	-	48.5	48.4	36.8	36.4	-
3546	Power driven hand tools	30.3	29.8	24.6	24.5	-	23.1	22.5	17.8	17.3	-
355	Special industry machinery	194.8	192.5	171.2	165.3	-	122.7	120.7	103.1	101.2	-
3551	Food products machinery	42.8	42.9	39.8	39.2	-	27.2	27.2	24.9	24.6	-
3552	Textile machinery	25.4	25.2	21.4	21.4	-	17.3	17.3	14.2	14.1	-
3555	Printing trades machinery	38.9	38.8	37.1	36.6	-	24.3	24.1	21.7	21.3	-
356	General industrial machinery	318.1	316.4	260.2	255.8	-	205.3	203.9	158.9	155.5	-
3561	Pumps and pumping equipment	62.5	62.4	52.4	51.8	-	36.5	36.6	29.2	29.0	-
3562	Ball and roller bearings	55.1	54.5	42.1	41.1	-	42.1	41.7	30.8	30.2	-
3563	Air and gas compressors	31.6	31.5	27.2	26.5	-	18.8	18.6	14.4	13.9	-
3564	Blowers and fans	38.6	38.9	35.0	34.4	-	24.0	24.0	21.3	21.2	-
3566	Speed changers, drives, and gears	27.3	27.0	18.8	18.9	-	17.9	17.7	11.8	11.9	-
3568	Power transmission equipment, nec	22.9	22.6	17.3	16.9	-	16.2	16.0	11.2	11.0	-
357	Office and computing machines	478.1	480.2	492.9	491.1	-	192.4	191.3	192.2	190.5	-
3573	Electronic computing equipment	404.5	407.2	423.5	422.2	-	153.2	153.1	157.1	155.9	-
358	Refrigeration and service machinery	173.2	171.2	153.0	153.5	-	120.7	118.7	103.0	102.3	-
3585	Refrigeration and heating equipment	117.2	115.8	99.9	101.2	-	82.4	80.8	68.1	63.5	-
359	Misc. machinery, except electrical	292.0	287.3	252.8	249.0	-	223.5	218.9	186.1	183.4	-
3592	Carburetors, pistons, rings, valves	36.9	34.0	32.3	31.5	-	29.4	26.1	24.5	23.9	-
3599	Machinery, except electrical, nec	255.1	253.3	220.5	217.5	-	194.1	192.8	161.6	159.5	-
	ELECTRIC AND ELECTRONIC EQUIPMENT	2,086.8	2,061.4	1,980.9	1,971.8	1,950.7	1,293.8	1,267.7	1,188.2	1,177.3	1,157.0
36	Electric distributing equipment	121.5	121.4	105.7	105.5	-	86.0	86.0	73.7	73.1	-
3612	Transformers	54.4	54.3	46.8	46.4	-	38.4	38.4	33.1	32.4	-
3613	Switchgear and switchboard apparatus	67.1	67.1	58.9	59.1	-	47.6	47.6	40.6	40.7	-
362	Electrical industrial apparatus	236.1	234.9	196.8	194.2	-	166.9	165.9	134.9	132.3	-
3621	Motors and generators	122.0	121.5	100.5	99.1	-	93.1	92.9	75.4	74.1	-
3622	Industrial controls	69.8	69.5	51.4	60.3	-	42.4	42.2	36.4	35.2	-
363	Household appliances	149.3	133.5	140.6	140.0	-	114.7	98.6	108.6	107.5	-
3632	Household refrigerators and freezers	27.8	22.6	27.0	26.6	-	21.6	16.1	20.9	20.5	-
3633	Household laundry equipment	19.1	16.7	18.9	19.1	-	14.2	11.9	14.1	14.2	-
3634	Electric housewares and fans	51.4	48.9	48.1	47.7	-	40.8	38.2	37.3	36.9	-
364	Electric lighting and wiring equipment	201.0	197.2	182.1	180.4	-	146.9	144.0	132.2	130.8	-
3641	Electric lamps	32.9	31.9	30.3	29.7	-	28.8	28.0	26.2	25.9	-
3643	Current-carrying wiring devices	83.3	82.7	75.3	74.6	-	55.7	55.3	49.1	48.5	-
3644	Noncurrent-carrying wiring devices	20.7	20.4	17.4	17.4	-	15.0	14.9	12.6	12.5	-
3645	Residential lighting fixtures	24.1	23.1	22.6	22.7	-	18.2	17.3	17.3	17.2	-
365	Radio and TV receiving equipment	107.7	104.1	92.5	91.0	-	76.0	72.7	63.8	62.3	-
3651	Radio and TV receiving sets	82.6	79.6	71.2	70.0	-	56.6	53.8	48.1	47.0	-
366	Communication equipment	554.8	559.0	554.7	556.3	-	266.6	268.8	254.3	254.3	-
3661	Telephone and telegraph apparatus	149.1	151.4	137.2	136.4	-	98.6	100.5	86.3	85.6	-
3662	Radio and TV communication equipment	405.7	407.6	417.5	419.9	-	168.0	168.3	168.0	168.7	-
367	Electronic components and accessories	566.2	566.5	566.4	563.7	-	329.1	329.9	319.0	317.2	-
3671-3	Electronic tubes	43.5	43.4	43.4	43.5	-	26.2	26.1	26.4	26.4	-
3674	Semiconductors and related devices	225.0	225.3	230.8	229.3	-	90.5	91.1	91.5	91.1	-
3679	Electronic components, nec	225.7	226.1	226.0	225.8	-	157.5	158.1	151.9	151.5	-
369	Misc. electrical equipment and supplies	150.2	144.8	142.1	140.7	-	107.6	101.8	101.7	100.2	-
3691	Storage batteries	31.2	30.8	29.6	29.5	-	24.5	24.2	23.2	23.1	-
3694	Engine electrical equipment	61.1	56.2	55.8	53.8	-	47.2	42.3	43.6	41.3	-
	TRANSPORTATION EQUIPMENT	1,857.0	1,806.3	1,685.0	1,657.8	1,677.4	1,182.1	1,132.2	1,036.8	1,012.9	1,036.6
371	Motor vehicles and equipment	765.2	719.9	672.6	648.7	-	567.3	526.2	490.4	470.3	-
3711	Motor vehicles and car bodies	341.1	318.4	300.9	282.2	-	238.5	218.6	209.4	192.5	-
3713	Truck and bus bodies	35.6	34.1	28.9	27.5	-	26.9	25.7	21.3	20.0	-
3714	Motor vehicle parts and accessories	358.3	336.2	316.0	311.0	-	279.1	258.2	240.6	237.5	-
3715	Truck trailers	25.5	26.4	21.4	22.5	-	19.2	20.1	15.0	16.1	-
372	Aircraft and parts	637.4	640.2	599.8	600.7	-	334.9	331.9	299.2	299.8	-
3721	Aircraft	339.2	342.3	317.3	317.7	-	162.4	159.5	140.9	141.1	-
3724	Aircraft engines and engine parts	159.1	159.2	149.3	149.5	-	91.3	91.8	83.2	83.5	-
3728	Aircraft equipment, nec	139.1	138.7	133.2	133.5	-	81.2	80.6	75.1	75.2	-
373	Ship and boat building and repairing	225.6	224.5	199.0	195.2	-	173.1	172.3	151.2	147.0	-
3731	Ship building and repairing	182.8	182.3	164.3	160.7	-	137.6	137.4	123.1	119.2	-
3732	Boat building and repairing	42.8	42.2	34.7	34.5	-	35.5	34.9	28.1	27.8	-
374	Railroad equipment	48.9	46.6	33.3	32.4	-	32.2	30.4	20.6	19.9	-
376	Guided missiles, space vehicles, parts	124.5	124.6	128.9	129.6	-	37.4	38.2	40.0	40.7	-
3761	Guided missiles and space vehicles	97.8	98.8	101.8	102.6	-	27.3	27.8	30.3	31.2	-

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 ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	38.0	37.8	40.2	40.3	-	24.7	24.9	27.4	27.4	-
3792	Travel trailers and campers	16.4	16.0	16.6	16.2	-	12.5	12.3	12.6	12.2	-
38	INSTRUMENTS AND RELATED PRODUCTS	727.6	726.5	693.1	688.8	687.0	424.8	424.9	390.4	387.1	396.6
381	Engineering and scientific instruments	78.4	78.6	74.0	73.6	-	37.4	37.8	34.0	34.0	-
382	Measuring and controlling devices	257.9	257.1	238.0	235.3	-	160.3	159.4	141.4	138.8	-
3822	Environmental controls	45.6	45.2	41.7	41.3	-	29.7	29.3	26.2	25.9	-
3823	Process control instruments	62.2	62.2	55.0	54.6	-	32.4	32.3	27.4	27.0	-
3825	Instruments to measure electricity	104.2	104.3	101.8	100.8	-	66.4	66.4	61.3	60.3	-
383	Optical instruments and lenses	33.1	32.8	32.1	32.1	-	18.5	18.4	17.6	17.7	-
384	Medical instruments and supplies	162.0	163.0	159.5	158.7	-	100.9	102.3	97.1	96.6	-
3841	Surgical and medical instruments	76.5	77.1	77.8	77.3	-	45.6	46.8	44.5	44.3	-
3842	Surgical appliances and supplies	69.3	69.6	67.0	67.1	-	45.3	45.5	43.9	43.7	-
385	Ophthalmic goods	38.4	38.0	34.2	34.1	-	27.3	27.4	23.3	23.2	-
386	Photographic equipment and supplies	138.3	138.4	136.8	136.7	-	66.3	66.6	64.3	64.6	-
387	Watches, clocks, and watchcases	19.5	18.6	18.5	18.3	-	14.1	13.0	12.7	12.2	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	421.5	406.8	390.2	384.1	371.4	313.2	298.0	283.2	277.3	266.1
391	Jewelry, silverware, and plated ware	60.8	59.5	61.1	60.9	-	43.7	42.5	43.6	43.5	-
3911	Jewelry, precious metal	40.3	39.3	39.3	39.4	-	28.6	27.8	27.9	28.1	-
393	Musical instruments	21.2	21.1	19.2	19.2	-	17.1	16.8	15.1	15.1	-
394	Toys and sporting goods	120.8	112.0	105.9	101.5	-	92.4	83.0	78.2	73.9	-
3942, 4	Tools, games, toys, and children's vehicles	62.6	53.9	53.5	49.8	-	46.7	37.5	38.3	34.5	-
3949	Sporting and athletic goods, nec	58.2	58.1	52.4	51.7	-	45.7	45.5	39.9	39.4	-
395	Pens, pencils, office and art supplies	37.3	37.3	33.3	33.3	-	26.6	26.2	22.5	22.9	-
396	Costume jewelry and notions	47.4	45.6	42.5	42.6	-	36.4	35.0	33.0	33.1	-
3961	Costume jewelry	25.7	24.5	23.2	23.3	-	20.1	19.1	18.5	18.5	-
399	Miscellaneous manufactures	134.0	131.3	128.2	126.6	-	97.0	94.5	90.8	89.3	-
3993	Signs and advertising displays	47.4	46.8	45.6	45.0	-	34.3	33.8	32.1	31.5	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,680.8	1,649.1	1,699.4	1,658.0	1,620.5	1,161.1	1,129.4	1,182.8	1,145.1	1,109.3
201	Meat products	354.9	351.1	342.2	345.8	-	297.5	293.7	285.4	283.4	-
2011	Meat packing plants	153.8	153.2	144.2	145.5	-	126.8	126.5	118.3	118.5	-
2013	Sausages and other prepared meats	70.2	69.8	68.2	69.7	-	52.5	51.7	49.9	51.5	-
2016	Poultry dressing plants	116.6	114.3	116.3	117.1	-	105.9	103.7	105.3	106.3	-
202	Dairy products	167.2	166.9	166.7	165.4	-	91.8	91.5	93.0	92.7	-
2022	Cheese, natural and processed	34.5	35.0	34.8	34.8	-	26.1	26.5	26.5	26.4	-
2026	Fluid milk	94.9	94.5	92.9	91.9	-	42.2	41.9	41.9	41.9	-
203	Preserved fruits and vegetables	235.7	213.9	269.7	232.8	-	195.4	173.8	228.0	194.7	-
2032	Canned specialties	25.7	25.8	26.3	24.1	-	19.4	19.4	19.5	19.9	-
2033	Canned fruits and vegetables	80.1	67.7	103.4	77.2	-	65.8	53.5	88.1	63.0	-
2037	Frozen fruits and vegetables	51.6	45.5	58.9	52.1	-	45.4	39.5	51.6	45.5	-
204	Grain mill products	139.2	139.0	137.1	138.6	-	95.7	95.4	92.2	91.5	-
2041	Flour and other grain mill products	26.4	26.4	26.3	26.4	-	16.1	16.1	15.3	15.8	-
2048	Prepared feeds, nec	53.4	53.3	52.3	51.3	-	34.6	34.4	33.6	32.7	-
205	Bakery products	219.5	218.2	218.1	218.3	-	128.2	127.4	128.3	123.3	-
2051	Bread, cake, and related products	176.6	176.2	175.3	175.9	-	94.0	93.8	93.8	94.0	-
2052	Cookies and crackers	42.9	42.0	42.8	42.4	-	34.2	33.6	34.5	34.3	-
206	Sugar and confectionery products	120.2	116.2	120.0	118.6	-	94.9	90.9	95.8	94.0	-
2061-3	Cane and beet sugar	37.7	35.5	37.2	36.1	-	29.5	27.6	30.2	23.9	-
2065	Confectionery products	62.6	60.6	61.4	61.6	-	51.9	48.6	50.8	50.9	-
207	Fats and oils	45.1	44.6	43.2	43.5	-	34.1	33.6	32.5	33.0	-
208	Beverages	233.3	233.3	232.8	230.7	-	100.1	99.9	100.0	99.7	-
2082	Malt beverages	48.7	48.9	46.3	46.4	-	30.7	31.0	29.4	29.7	-
2086	Bottled and canned soft drinks	137.3	137.3	138.8	137.8	-	44.4	44.3	44.6	44.5	-
209	Misc. foods and kindred products	165.7	165.9	169.6	164.3	-	123.4	123.2	127.6	122.8	-
21	TOBACCO MANUFACTURES	73.1	71.7	68.0	64.5	65.6	57.8	56.5	53.6	49.9	50.9
211	Cigarettes	47.4	47.6	44.3	44.9	-	36.2	36.5	33.5	34.0	-
22	TEXTILE MILL PRODUCTS	809.1	798.2	736.8	728.9	724.5	697.6	687.3	633.3	625.9	622.9
221	Weaving mills, cotton	139.5	138.1	120.2	118.3	-	124.1	122.8	105.2	104.4	-
222	Weaving mills, synthetics	109.3	109.1	93.5	91.8	-	97.7	96.6	83.5	81.9	-
223	Weaving and finishing mills, wool	18.4	18.5	15.7	15.5	-	15.3	15.4	13.0	12.3	-
224	Narrow fabric mills	23.8	23.7	22.2	22.1	-	20.8	20.7	19.1	19.1	-
225	Knitting mills	212.9	208.2	205.6	203.7	-	183.5	179.7	177.9	175.0	-
2251	Women's hosiery, except socks	32.0	32.2	30.9	30.9	-	28.6	28.8	27.7	27.3	-
2252	Hosiery, nec	32.6	32.5	31.1	31.1	-	29.7	29.6	28.2	28.2	-
2253	Knit outerwear mills	72.9	69.3	72.5	71.7	-	61.8	58.5	62.6	61.9	-
2254	Knit underwear mills	29.4	28.3	27.9	28.2	-	25.2	24.5	23.5	23.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹					
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	
	TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	25.8	25.7	24.5	24.4	-	21.6	21.4	20.5	21.4	-	-
226	Textile finishing, except wool	70.1	69.4	65.1	65.1	-	58.2	57.6	53.9	53.9	-	-
2261	Finishing plants, cotton	29.7	29.4	28.1	28.1	-	24.2	24.2	23.2	23.3	-	-
2262	Finishing plants, synthetics	26.7	26.4	23.5	23.4	-	22.3	21.9	19.5	19.4	-	-
227	Floor covering mills	51.7	51.0	47.1	46.6	-	41.1	40.8	36.9	36.7	-	-
228	Yarn and thread mills	118.7	116.3	109.6	108.8	-	106.3	103.8	97.8	97.0	-	-
2281	Yarn mills, except wool	80.1	78.7	76.3	75.5	-	72.7	71.1	69.0	68.2	-	-
2282	Throwing and winding mills	19.7	18.9	17.8	17.5	-	17.4	16.7	15.6	15.4	-	-
229	Miscellaneous textile goods	64.7	63.9	57.8	57.0	-	50.6	49.9	45.0	44.1	-	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,243.5	1,210.5	1,156.2	1,143.5	1,117.5	1,057.2	1,024.3	976.2	965.0	942.2	
231	Men's and boys' suits and coats	78.6	78.4	72.3	71.8	-	68.3	68.4	63.0	62.8	-	-
232	Men's and boys' furnishings	349.4	343.9	323.3	322.3	-	297.9	292.6	274.4	273.7	-	-
2321	Men's and boys' shirts and nightwear	97.8	96.2	90.2	89.5	-	84.0	82.6	77.0	75.1	-	-
2327	Men's and boys' separate trousers	72.4	70.2	65.9	66.5	-	63.0	61.1	56.9	57.5	-	-
2328	Men's and boys' work clothing	100.0	100.3	95.3	94.5	-	83.0	83.1	79.6	79.4	-	-
233	Women's and misses' outerwear	401.8	384.7	376.6	369.2	-	345.4	328.2	320.6	313.3	-	-
2331	Women's and misses' blouses and waists	62.3	59.6	60.2	60.1	-	54.2	51.5	51.7	51.6	-	-
2335	Women's and misses' dresses	133.2	128.6	125.8	122.6	-	117.3	112.1	108.6	105.3	-	-
2337	Women's and misses' suits and coats	59.2	54.8	55.9	53.4	-	50.3	46.3	47.5	45.3	-	-
2339	Women's and misses' outerwear, nec.	147.1	141.7	134.7	133.1	-	123.6	118.3	112.8	111.1	-	-
234	Women's and children's undergarments	92.3	90.6	86.0	85.6	-	78.8	77.1	72.6	72.2	-	-
2341	Women's and children's underwear	73.9	72.1	70.8	70.1	-	64.5	62.9	61.2	60.5	-	-
2342	Brassieres and allied garments	18.4	18.5	15.2	15.5	-	14.3	14.2	11.4	11.6	-	-
236	Children's outerwear	63.9	63.5	59.2	57.9	-	54.2	53.8	50.2	49.2	-	-
2361	Children's dresses and blouses	27.6	27.6	25.9	25.6	-	24.6	24.6	23.1	22.9	-	-
238	Misc. apparel and accessories	57.2	55.9	51.6	51.0	-	48.2	46.9	43.1	42.5	-	-
239	Misc. fabricated textile products	177.5	171.2	166.1	165.0	-	144.9	138.3	134.8	134.7	-	-
2391	Curtains and draperies	28.1	27.8	25.5	25.7	-	23.5	23.0	20.8	20.9	-	-
2392	House furnishings, nec.	51.6	50.1	48.8	49.1	-	42.6	40.9	40.8	40.9	-	-
2396	Automotive and apparel trimmings	28.9	25.5	26.4	25.4	-	23.4	20.1	20.7	20.4	-	-
26	PAPER AND ALLIED PRODUCTS	681.1	676.0	651.6	652.3	649.7	511.9	506.0	485.5	486.1	485.4	
261, 262	Paper and pulp mills	201.6	199.7	192.9	194.3	-	151.6	149.8	145.0	145.2	-	-
262	Paper mills, except building paper	173.9	172.6	166.5	168.0	-	129.4	127.9	123.8	125.1	-	-
263	Paperboard mills	61.6	61.8	57.6	59.4	-	48.5	48.4	44.0	45.3	-	-
264	Misc. converted paper products	217.9	218.2	210.5	209.5	-	159.3	159.2	152.0	151.3	-	-
2641	Paper coating and glazing	56.2	55.9	54.5	54.6	-	36.0	35.6	34.4	34.6	-	-
2642	Envelopes	25.5	25.6	25.0	25.2	-	19.9	19.8	19.3	19.5	-	-
2643	Bags, except textile bags	50.4	50.5	49.0	49.3	-	39.2	39.4	38.1	38.5	-	-
265	Paperboard containers and boxes	200.0	196.3	190.6	189.1	-	152.5	148.6	144.5	143.3	-	-
2651	Folding paperboard boxes	43.1	42.8	41.8	41.1	-	33.4	33.1	32.6	32.3	-	-
2653	Corrugated and solid fiber boxes	102.3	100.4	97.6	97.2	-	75.4	73.5	72.0	71.7	-	-
2654	Sanitary food containers	24.2	24.3	23.6	23.6	-	19.5	19.7	18.7	18.8	-	-
27	PRINTING AND PUBLISHING	1,279.4	1,286.3	1,266.5	1,270.0	1,275.6	703.0	706.8	693.8	695.5	699.4	
271	Newspapers	426.9	429.6	423.8	426.0	-	163.0	164.6	161.8	161.9	-	-
272	Periodicals	99.3	99.7	101.0	101.4	-	20.1	20.4	21.3	22.3	-	-
273	Books	98.6	99.6	93.7	94.7	-	49.2	50.4	46.1	47.6	-	-
2731	Book publishing	69.8	70.2	67.6	68.0	-	25.8	26.5	25.3	25.9	-	-
2732	Book printing	28.8	29.4	26.1	26.7	-	23.4	23.9	20.8	21.7	-	-
274	Miscellaneous publishing	48.3	50.0	48.9	49.3	-	25.7	27.1	25.5	25.6	-	-
275	Commercial printing	422.9	423.2	417.7	417.8	-	311.0	310.1	306.6	306.7	-	-
2751	Commercial printing, letterpress	156.6	156.1	151.7	150.9	-	115.4	114.4	112.7	112.3	-	-
2752	Commercial printing, lithographic	243.3	243.6	243.8	244.5	-	177.2	176.9	176.4	175.9	-	-
276	Manifold business forms	49.6	49.9	48.8	48.6	-	34.7	34.8	34.1	33.9	-	-
278	Blankbooks and bookbinding	62.7	62.8	61.8	61.0	-	50.7	50.8	50.2	49.3	-	-
279	Printing trade services	45.2	45.4	45.5	46.0	-	33.2	33.3	33.9	34.1	-	-
28	CHEMICALS AND ALLIED PRODUCTS	1,100.1	1,096.9	1,059.0	1,055.3	1,051.9	617.8	613.7	586.2	584.5	584.3	
281	Industrial inorganic chemicals	159.3	159.0	150.0	149.5	-	86.7	86.0	79.2	78.7	-	-
2819	Industrial inorganic chemicals, nec.	104.3	104.2	98.9	98.6	-	56.7	56.4	52.7	52.5	-	-
282	Plastics materials and synthetics	189.4	190.4	178.4	176.9	-	123.1	123.4	115.2	114.4	-	-
2821	Plastics materials and resins	76.3	76.9	73.2	73.0	-	44.4	44.7	42.5	42.7	-	-
2824	Organic fibers, noncellulosic	81.4	81.2	74.7	73.9	-	57.0	56.6	52.2	51.6	-	-
283	Drugs	199.9	199.9	199.5	199.3	-	99.4	99.0	96.7	95.3	-	-
2834	Pharmaceutical preparations	157.9	158.2	157.4	157.7	-	76.9	76.8	74.8	75.1	-	-
284	Soap, cleaners, and toilet goods	146.6	145.5	145.3	145.9	-	91.9	91.0	91.6	92.0	-	-
2841	Soap and other detergents	44.3	44.5	45.2	45.6	-	29.0	29.0	29.7	30.0	-	-
2844	Toilet preparations	63.4	62.7	61.2	61.8	-	42.0	41.7	40.7	40.9	-	-
2842, 3	Polishing, sanitation, and finishing preparations	38.9	38.3	38.9	38.5	-	20.9	20.3	21.2	21.1	-	-
285	Paints and allied products	61.1	60.4	59.1	58.7	-	29.6	29.0	28.4	28.2	-	-
286	Industrial organic chemicals	179.3	178.5	172.0	171.0	-	89.8	89.2	86.6	85.6	-	-

See footnotes at end of table.

ESTABLISHMENT DATA
EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	37.5	37.6	34.7	34.2		23.2	23.2	21.4	21.1	
2861,9	Gum, wood, and industrial organic chemicals, nec	141.8	140.9	137.3	136.8	-	66.6	66.0	65.2	65.5	-
287	Agricultural chemicals	70.2	69.6	64.2	64.1	-	43.5	43.0	38.1	37.9	-
289	Miscellaneous chemical products	94.3	93.6	90.5	89.9	-	53.8	53.1	50.4	50.4	-
29	PETROLEUM AND COAL PRODUCTS	215.9	212.5	209.4	207.2	204.2	133.0	128.9	126.4	124.3	123.5
291	Petroleum refining	175.3	174.7	169.0	168.7	-	104.3	102.9	97.5	97.3	-
295	Paving and roofing materials	28.5	25.7	28.7	26.9	-	21.3	18.7	21.8	20.1	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	730.5	718.3	690.2	682.2	681.5	562.3	550.9	529.0	522.4	523.1
301	Tires and inner tubes	106.7	106.2	100.8	99.5	-	74.1	73.9	72.5	71.9	-
302	Rubber and plastics footwear	22.6	22.0	21.6	21.8	-	19.9	19.3	18.6	18.9	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	23.2	22.6	19.1	18.5	-	16.3	15.8	13.3	12.9	-
306	Fabricated rubber products, nec	103.4	99.9	92.9	91.3	-	80.0	76.6	70.3	68.3	-
307	Miscellaneous plastics products	474.6	467.6	455.8	451.1	-	372.0	365.3	354.3	349.9	-
31	LEATHER AND LEATHER PRODUCTS	232.4	223.5	207.5	207.4	201.7	197.5	188.7	173.1	172.7	167.0
311	Leather tanning and finishing	19.8	20.0	17.9	18.1	-	16.5	16.6	14.7	14.9	-
314	Footwear, except rubber	140.9	134.4	127.8	128.1	-	122.0	115.8	108.6	109.0	-
3143	Men's footwear, except athletic	58.1	54.6	49.8	49.4	-	50.0	46.4	40.6	42.2	-
3144	Women's footwear, except athletic	50.5	49.2	48.2	49.4	-	43.8	42.8	42.3	43.5	-
316	Luggage	14.4	13.9	12.4	12.7	-	11.3	10.8	9.0	8.8	-
317	Handbags and personal leather goods	31.2	29.8	26.5	25.7	-	25.5	24.2	21.7	21.0	-
	TRANSPORTATION AND PUBLIC UTILITIES	5,188	5,157	5,052	5,029	5,009	4,296	4,268	4,170	4,149	4,137
40	RAILROAD TRANSPORTATION	483.1	468.4	418.0	408.0	-	-	-	-	-	-
4011	Class I railroads ²	445.6	432.0	385.5	376.3	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	287.3	286.8	294.5	293.4	-	267.5	266.6	275.6	274.3	-
411	Local and suburban transportation	82.0	83.0	85.0	85.1	-	74.7	75.8	78.3	78.5	-
412	Taxicabs	46.5	47.0	43.4	43.8	-	-	-	-	-	-
413	Intercity highway transportation	36.9	36.9	36.6	35.7	-	33.8	33.7	33.7	32.7	-
415	School buses	103.5	102.3	110.4	110.5	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,266.0	1,260.4	1,219.4	1,208.0	-	1,104.3	1,100.5	1,060.2	1,049.7	-
421,3	Trucking and trucking terminals	1,172.4	1,167.8	1,128.4	1,116.2	-	1,024.7	1,021.9	982.9	971.6	-
422	Public warehousing	93.6	92.6	91.0	91.8	-	79.6	78.6	77.3	78.1	-
44	WATER TRANSPORTATION	212.9	204.9	185.1	185.8	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	447.6	446.2	441.3	440.0	-	-	-	-	-	-
451,2	Air transportation	396.7	394.5	390.2	389.3	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	22.1	22.2	22.1	22.0	-	15.2	15.3	15.4	15.4	-
47	TRANSPORTATION SERVICES	217.5	216.4	222.9	223.3	-	-	-	-	-	-
48	COMMUNICATION	1,394.7	1,396.1	1,379.1	1,376.1	-	1,040.2	1,042.9	1,044.7	1,042.0	-
481	Telephone communication	1,078.8	1,079.1	1,046.1	1,041.6	-	780.7	781.8	770.9	767.1	-
483	Radio and television broadcasting	210.9	211.2	219.5	220.3	-	171.4	171.9	179.1	179.9	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	856.3	855.9	869.2	872.3	-	700.5	700.2	699.8	702.9	-
491	Electric services	407.1	407.0	417.8	420.9	-	328.9	328.9	330.6	335.0	-
492	Gas production and distribution	175.1	175.0	177.8	178.1	-	141.7	141.4	142.7	142.3	-
493	Combination utility services	199.5	199.3	197.1	197.6	-	165.4	165.5	161.0	160.9	-
495	Sanitary services	51.3	51.4	53.4	52.8	-	45.3	45.4	46.8	46.2	-
-	WHOLESALE AND RETAIL TRADE	20,883	21,170	20,523	20,638	20,932	18,280	18,565	17,926	18,036	18,328
50,51	WHOLESALE TRADE	5,398	5,372	5,275	5,251	5,219	4,387	4,361	4,254	4,229	4,199
50	WHOLESALE TRADE - DURABLE GOODS	3,193	3,186	3,085	3,073	-	2,585	2,577	2,467	2,455	-
501	Motor vehicles and automotive equipment	412.1	411.6	412.5	412.5	-	332.8	332.2	331.5	331.5	-
502	Furniture and home furnishing	120.5	119.3	118.4	119.6	-	98.9	98.0	97.5	98.0	-
503	Lumber and construction materials	187.7	186.3	182.3	183.0	-	154.6	153.0	148.4	149.3	-
504	Sporting goods, toys, and hobby goods	72.0	71.5	71.9	71.4	-	57.6	57.2	58.0	57.1	-
505	Metals and minerals, except petroleum	151.4	149.9	133.2	131.7	-	121.4	119.9	104.7	103.8	-
506	Electrical goods	439.7	440.2	430.9	431.5	-	354.8	355.9	343.3	342.0	-
507	Hardware, plumbing, and heating equipment	242.6	242.2	236.5	235.7	-	197.3	196.6	190.6	189.7	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,366.0	1,367.4	1,324.9	1,315.2	-	1,098.0	1,098.4	1,049.5	1,040.5	-
509	Miscellaneous durable goods	200.9	197.3	174.0	172.7	-	169.2	166.0	143.4	142.2	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,205	2,186	2,190	2,178	-	1,802	1,784	1,787	1,774	-
511	Paper and paper products	157.0	156.9	158.1	158.4	-	126.8	126.6	127.2	127.2	-
512	Drugs, proprietaries, and sundries	152.0	152.4	154.6	155.3	-	128.6	129.4	130.2	130.5	-
513	Apparel, piece goods, and notions	169.9	168.7	171.6	171.7	-	133.8	132.1	134.4	134.5	-
514	Groceries and related products	666.0	658.5	652.0	647.4	-	572.7	565.7	559.3	554.3	-
516	Chemicals and allied products	134.1	134.2	136.0	135.9	-	95.8	96.2	96.0	95.9	-
517	Petroleum and petroleum products	232.5	233.1	227.4	228.5	-	174.8	175.1	170.1	171.5	-
518	Beer, wine, and distilled beverages	142.9	143.9	145.0	145.3	-	119.4	120.2	120.4	120.7	-
519	Miscellaneous nondurable goods	397.6	393.2	358.6	393.7	-	322.8	318.9	326.1	321.5	-
52-59	RETAIL TRADE	15,485	15,798	15,248	15,387	15,713	13,893	14,204	13,672	13,807	14,129
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	599.5	596.4	591.5	592.9	-	504.7	502.9	498.9	500.5	-
521	Lumber and other building materials	312.4	307.4	309.7	311.2	-	263.6	258.8	261.2	263.0	-
525	Hardware stores	149.4	150.7	146.6	147.2	-	127.4	128.7	125.1	125.7	-
53	GENERAL MERCHANDISE STORES	2,356.1	2,511.6	2,238.6	2,333.4	-	2,157.3	2,313.6	2,080.3	2,174.2	-
531	Department stores	1,983.9	2,116.4	1,884.0	1,969.6	-	1,820.6	1,954.2	1,761.3	1,846.1	-
533	Variety stores	237.2	250.1	222.1	228.8	-	220.5	233.5	204.9	211.3	-
539	Misc. general merchandise stores	135.0	145.1	132.5	135.0	-	116.2	125.9	114.1	116.8	-
54	FOOD STORES	2,474.1	2,492.4	2,478.9	2,507.3	-	2,295.2	2,312.9	2,300.5	2,326.4	-
541	Grocery stores	2,168.4	2,178.5	2,178.7	2,156.2	-	2,017.7	2,026.8	2,029.3	2,044.5	-
542	Meat markets and freezer provisioners	55.9	55.0	55.0	55.9	-	-	-	-	-	-
546	Retail bakeries	128.6	129.0	129.0	130.0	-	118.5	119.0	118.3	119.2	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,642.9	1,634.2	1,631.9	1,630.3	-	1,391.5	1,383.9	1,372.9	1,371.4	-
551.2	New and used car dealers	740.8	733.2	734.5	733.3	-	605.2	599.4	601.8	601.3	-
553	Auto and home supply stores	272.0	273.0	275.2	276.7	-	235.5	236.9	236.5	237.8	-
554	Gasoline service stations	555.6	555.1	542.3	541.9	-	487.7	485.9	470.9	469.9	-
56	APPAREL AND ACCESSORY STORES	998.3	1,069.2	960.6	989.2	-	856.9	926.0	814.5	841.3	-
561	Men's and boys' clothing and furnishings	131.3	145.1	124.6	129.0	-	112.3	125.6	105.5	110.1	-
562	Women's ready-to-wear stores	363.3	385.6	346.8	356.6	-	315.9	338.1	297.9	306.6	-
565	Family clothing stores	187.0	208.6	176.5	184.9	-	164.5	185.0	153.7	161.9	-
566	Shoe stores	207.7	216.4	207.4	210.4	-	170.6	178.9	167.3	170.4	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	609.9	615.0	591.3	595.1	-	505.6	511.8	488.4	492.0	-
571	Furniture and home furnishings stores	374.7	376.6	362.6	364.5	-	310.7	312.8	299.7	302.0	-
572	Household appliance stores	82.6	82.9	79.8	81.1	-	70.1	70.7	68.1	69.0	-
573	Radio, television, and music stores	152.6	155.5	148.9	149.5	-	124.8	128.3	120.6	121.0	-
58	EATING AND DRINKING PLACES	4,758.1	4,762.1	4,768.4	4,699.8	-	4,384.2	4,385.5	4,385.1	4,313.0	-
59	MISCELLANEOUS RETAIL	2,046.5	2,117.2	1,986.6	2,039.3	-	1,797.3	1,867.8	1,731.2	1,781.1	-
591	Drug stores and proprietary stores	509.4	518.4	493.5	499.7	-	460.6	469.5	441.1	446.4	-
592	Liquor stores	138.0	143.8	135.2	136.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	659.2	702.4	650.0	679.6	-	571.2	614.5	557.2	585.8	-
596	Nonstore retailers	299.2	303.4	280.0	287.9	-	278.5	282.3	259.9	267.8	-
598	Fuel and ice dealers	105.0	107.8	102.4	104.6	-	87.8	90.7	84.9	87.2	-
599	Retail stores, nec.	273.2	279.0	262.2	267.0	-	228.9	235.0	219.7	222.6	-
	FINANCE, INSURANCE, AND REAL										
	ESTATE ²	5,308	5,313	5,346	5,346	5,360	3,999	3,997	3,993	3,984	3,935
60	BANKING	1,638.9	1,643.6	1,642.9	1,644.0	-	1,248.2	1,246.7	1,227.9	1,227.5	-
602	Commercial and stock savings banks	1,493.5	1,497.9	1,496.7	1,497.9	-	1,131.5	1,130.0	1,111.5	1,111.4	-
61	CREDIT AGENCIES OTHER THAN BANKS	581.6	582.2	587.3	594.9	-	441.1	441.3	442.6	445.9	-
612	Savings and loan associations	267.0	268.8	276.4	278.6	-	202.5	204.1	210.4	212.2	-
614	Personal credit institutions	198.6	197.7	192.0	192.5	-	153.4	152.4	145.9	146.4	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	270.5	272.0	280.6	285.0	-	-	-	-	-	-
621	Security brokers and dealers	223.6	225.5	234.3	238.3	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,226.5	1,228.4	1,219.5	1,219.6	-	844.3	844.9	831.6	831.5	-
631	Life insurance	538.6	539.0	538.6	538.5	-	334.7	333.3	331.3	330.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹					
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	
	INSURANCE CARRIERS—Continued											
632	Medical service and health insurance	141.4	141.6	141.3	141.4	-	112.0	112.3	112.5	112.4	-	
633	Fire, marine, and casualty insurance	474.0	475.5	468.1	467.6	-	341.4	343.4	332.6	332.9	-	
64	INSURANCE AGENTS, BROKERS, AND SERVICE	470.1	469.7	476.7	475.5	-	-	-	-	-	-	
65	REAL ESTATE	979.2	974.5	988.3	976.4	-	-	-	-	-	-	
651	Real estate operators and lessors	466.8	468.0	481.0	475.1	-	-	-	-	-	-	
653	Real estate agents and managers	370.6	369.1	370.1	367.4	-	-	-	-	-	-	
655	Subdividers and developers	122.8	118.7	120.1	116.8	-	-	-	-	-	-	
66	COMBINED REAL ESTATE, INSURANCE, ETC.	19.2	19.3	19.1	19.1	-	-	-	-	-	-	
67	HOLDING AND OTHER INVESTMENT OFFICES	122.2	123.4	131.2	131.6	-	-	-	-	-	-	
	SERVICES	18,800	18,775	19,131	19,106	19,086	16,717	16,691	16,972	16,940	16,916	
70	HOTELS AND OTHER LODGING PLACES	1,073.8	1,064.7	1,069.6	1,041.7	-	-	-	-	-	-	
701	Hotels, motels, and tourist courts	1,042.9	1,032.9	1,036.3	1,010.5	-	951.8	942.3	948.4	923.3	-	
72	PERSONAL SERVICES	908.7	909.0	921.5	930.4	-	-	-	-	-	-	
721	Laundry, cleaning, and garment services	354.3	353.2	349.7	351.0	-	316.7	315.4	311.5	312.3	-	
723	Beauty shops	286.6	289.7	297.5	303.4	-	263.9	267.2	275.0	280.4	-	
726	Funeral service and crematories	70.9	71.9	73.9	73.9	-	-	-	-	-	-	
73	BUSINESS SERVICES	3,329.3	3,325.5	3,335.8	3,339.9	-	2,913.9	2,906.1	2,909.1	2,909.9	-	
731	Advertising	156.0	156.3	159.6	160.1	-	120.4	120.4	121.8	122.5	-	
732	Credit reporting and collection	75.6	75.3	75.8	76.5	-	-	-	-	-	-	
733	Mailing, reproduction, stenographic	134.0	132.5	133.1	134.6	-	-	-	-	-	-	
734	Services to buildings	522.2	525.1	536.7	535.0	-	475.0	476.9	488.9	483.0	-	
736	Personnel supply services	603.8	596.5	560.7	547.3	-	-	-	-	-	-	
737	Computer and data processing services	348.4	351.0	360.3	366.4	-	285.5	287.7	296.0	301.6	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	578.2	573.6	577.8	576.1	-	492.3	489.1	488.4	485.7	-	
753	Automotive repair shops	356.8	355.1	361.2	358.7	-	301.0	300.3	302.0	299.1	-	
76	MISCELLANEOUS REPAIR SERVICES	299.9	302.0	291.5	287.9	-	253.5	255.3	246.0	242.8	-	
78	MOTION PICTURES	217.0	213.2	207.1	205.0	-	185.7	183.0	176.8	173.3	-	
781	Motion picture production and services	89.7	86.9	79.0	80.4	-	72.7	71.1	63.3	64.0	-	
783	Motion picture theaters	116.2	115.1	117.6	114.0	-	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	725.6	739.6	805.6	774.1	-	651.3	665.7	731.7	700.9	-	
80	HEALTH SERVICES	5,654.2	5,661.4	5,834.0	5,842.5	-	5,058.9	5,067.1	5,223.0	5,229.7	-	
801	Offices of physicians	798.1	798.2	831.3	832.9	-	653.7	654.7	680.8	692.2	-	
802	Offices of dentists	371.6	370.0	390.8	393.1	-	329.5	328.1	345.9	347.4	-	
805	Nursing and personal care facilities	1,044.0	1,044.1	1,077.2	1,079.3	-	944.1	945.3	975.2	975.4	-	
806	Hospitals	2,952.3	2,957.3	3,022.6	3,021.7	-	2,707.4	2,711.8	2,773.8	2,774.0	-	
81	LEGAL SERVICES	545.3	542.7	574.7	578.2	-	462.3	459.1	483.4	486.8	-	
82	EDUCATIONAL SERVICES	1,282.9	1,256.0	1,265.2	1,281.6	-	-	-	-	-	-	
821	Elementary and secondary schools	316.8	316.9	312.7	315.7	-	-	-	-	-	-	
822	Colleges and universities	843.2	817.1	821.9	834.7	-	-	-	-	-	-	
83	SOCIAL SERVICES	1,155.2	1,161.7	1,197.1	1,207.9	-	-	-	-	-	-	
86	MEMBERSHIP ORGANIZATIONS	1,531.1	1,537.7	1,535.4	1,536.8	-	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	1,048.2	1,051.5	1,052.4	1,052.0	-	868.0	869.4	857.1	856.6	-	
891	Engineering and architectural services	572.2	572.3	562.1	560.3	-	478.5	478.8	460.4	468.9	-	
893	Accounting, auditing, and bookkeeping	335.7	339.2	354.5	355.0	-	271.9	274.0	283.0	283.5	-	
	GOVERNMENT	16,137	16,108	15,827	15,959	15,929	-	-	-	-	-	
	FEDERAL GOVERNMENT ⁴	2,729	2,729	2,704	2,707	2,701	-	-	-	-	-	
	Executive, by agency ³	2,675.6	2,675.2	(5)	(5)	-	-	-	-	-	-	
-	Department of Defense	921.6	924.4	(5)	(5)	-	-	-	-	-	-	
-	Postal Service	663.2	671.7	(5)	(5)	-	-	-	-	-	-	
-	Other executive agencies	1,090.8	1,079.1	(5)	(5)	-	-	-	-	-	-	
-	Legislative	38.5	38.5	(5)	(5)	-	-	-	-	-	-	
-	Judicial	15.2	15.3	(5)	(5)	-	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	FEDERAL GOVERNMENT--Continued										
	Federal Government, by industry										
-	Manufacturing activities	134.3	134.1	137.0	137.8	-	-	-	-	-	-
3731	Shipbuilding and repairing	80.0	80.0	81.6	81.6	-	-	-	-	-	-
-	Transportation and public utilities, except Postal Service	43.3	43.7	41.6	41.3	-	-	-	-	-	-
-	Services	389.4	388.4	389.2	389.2	-	-	-	-	-	-
806	Federal government hospitals	230.2	231.0	231.9	233.0	-	-	-	-	-	-
-	STATE AND LOCAL GOVERNMENT	13,408	13,379	13,123	13,252	13,228	-	-	-	-	-
-	State government	3,712.5	3,689.6	3,651.0	3,670.0	-	-	-	-	-	-
806	State government hospitals	520.0	521.0	513.6	512.7	-	-	-	-	-	-
82	State education	1,517.3	1,492.1	1,490.7	1,512.0	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	1,042.7	1,045.1	1,029.5	1,029.5	-	-	-	-	-	-
-	Local government	9,695.7	9,689.1	9,472.1	9,581.5	-	-	-	-	-	-
-	Transportation and public utilities	576.7	576.8	583.8	584.2	-	-	-	-	-	-
806	Local government hospitals	632.9	635.8	650.0	650.5	-	-	-	-	-	-
82	Local education	5,435.0	5,428.2	5,190.6	5,280.7	-	-	-	-	-	-
-	General administration including executive, legislative, and judicial functions	2,749.0	2,746.0	2,765.9	2,776.7	-	-	-	-	-	-

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

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

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

⁴ Data for October, November, and December 1982 are estimated by the Bureau of Labor Statistics.

⁵ Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies. Final estimates for October and preliminary estimates for November are not available.

- Data not available.

p = preliminary.

NOTE: Data from April 1981 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. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
	TOTAL	39,089	39,490	38,533	39,333	39,686
	PRIVATE SECTOR	31,675	31,753	31,440	31,590	31,564
	MINING	136	137	138	134	132
10	METAL MINING	9.5	9.2	5.7	5.6	5.3
11, 12	COAL MINING	11.5	11.8	11.4	11.3	11.3
13	OIL AND GAS EXTRACTION	104.8	105.9	110.6	108.0	105.0
131, 2	Crude petroleum, natural gas, and natural gas liquids	66.1	66.7	72.1	70.4	73.0
138	Oil and gas field services	38.7	39.2	38.5	37.6	36.0
14	NONMETALLIC MINERALS, EXCEPT FUELS	10.1	10.1	9.8	9.4	9.4
142	Crushed and broken stone	2.8	2.8	2.8	2.7	2.7
144	Sand and gravel	3.2	3.2	3.2	3.1	3.0
	CONSTRUCTION	387	384	387	383	332
15	GENERAL BUILDING CONTRACTORS	128.0	126.3	122.2	121.6	121.1
152	Residential building construction	73.2	71.7	70.3	69.5	69.3
153	Operative builders	14.5	14.4	13.5	13.9	13.4
154	Nonresidential building construction	40.3	40.2	38.4	38.2	38.4
16	HEAVY CONSTRUCTION CONTRACTORS	66.3	65.9	67.9	65.9	65.2
161	Highway and street construction	18.7	17.8	16.5	16.0	15.7
162	Heavy construction, except highway	47.5	48.1	51.4	49.9	49.5
17	SPECIAL TRADE CONTRACTORS	192.2	191.9	197.3	195.9	195.4
171	Plumbing, heating, air conditioning	52.0	52.0	52.6	51.9	52.0
172	Painting, paper hanging, decorating	12.1	12.1	12.1	12.1	11.3
173	Electrical work	36.6	36.7	38.3	37.7	38.0
174	Masonry, stonework, and plastering	22.2	21.5	21.4	21.5	21.1
175	Carpentering and flooring	14.1	14.1	13.7	13.7	13.7
176	Roofing and sheet metal work	12.5	12.8	12.7	12.9	12.8
	MANUFACTURING	6,494	6,439	6,007	6,026	5,958
24, 25, 32-39	DURABLE GOODS	3,092	3,077	2,813	2,820	2,779
20-23, 26-31	NONDURABLE GOODS	3,402	3,362	3,194	3,206	3,179
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	102.7	99.4	92.2	92.7	91.7
241	Logging camps and logging contractors	5.6	5.4	6.0	5.7	5.7
242	Sawmills and planing mills	19.9	18.8	18.0	18.5	19.4
2421	Sawmills and planing mills, general	14.1	13.4	12.6	13.0	12.9
243	Millwork, plywood, and structural members	40.2	38.9	35.5	35.6	34.8
244	Wood containers	6.9	6.8	6.6	6.6	6.7
245	Wood buildings and mobile homes	9.8	8.5	7.4	7.4	7.0
249	Miscellaneous wood products	21.3	21.0	18.7	18.9	19.1
25	FURNITURE AND FIXTURES	142.8	143.8	130.4	131.5	131.8
251	Household furniture	98.9	99.7	87.8	89.2	90.3
2511	Wood household furniture	42.2	41.9	38.1	38.9	39.5
2512	Upholstered household furniture	32.2	31.9	28.9	29.0	29.4
2515	Mattresses and bedspreads	8.6	8.3	7.8	7.7	7.5
252	Office furniture	14.5	14.5	13.7	13.6	13.1
253	Public building and related furniture	5.5	5.5	5.2	4.9	5.0
254	Partitions and fixtures	11.1	11.2	10.6	10.5	10.2
259	Miscellaneous furniture and fixtures	12.8	12.9	13.1	13.3	13.2
32	STONE, CLAY, AND GLASS PRODUCTS	128.1	127.1	114.7	115.4	112.7
322	Glass and glassware, pressed or blown	41.2	41.0	36.5	36.7	35.5
3221	Glass containers	23.1	22.9	21.8	21.5	21.0
3229	Pressed and blown glass, nec	18.1	18.1	14.7	15.2	14.5
323	Products of purchased glass	13.1	12.8	11.8	11.8	11.6
324	Cement, hydraulic	1.9	1.8	1.7	1.7	1.6
325	Structural clay products	6.5	6.5	5.6	5.6	5.7
326	Pottery and related products	15.6	15.2	13.5	13.9	13.9
327	Concrete, gypsum, and plaster products	15.0	15.0	14.7	14.8	14.7
329	Misc. nonmetallic mineral products	31.7	31.5	27.6	27.7	26.6
33	PRIMARY METAL INDUSTRIES	125.2	122.0	102.0	100.6	96.5
331	Blast furnace and basic steel products	41.6	39.8	29.2	28.2	26.5
3312	Blast furnaces and steel mills	30.9	29.2	21.0	20.0	18.8
332	Iron and steel foundries	18.3	17.9	14.7	14.3	13.0

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

[In thousands]

1972 SIC Code	Industry	Sept. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.7	8.3	6.8	6.7	6.0
3322	Malleable iron foundries	1.1	1.1	.9	.9	.8
3325	Steel foundries, nec	4.5	4.5	3.9	3.6	3.2
333	Primary nonferrous metals	5.0	5.0	4.1	3.8	3.6
3334	Primary aluminum	2.2	2.2	1.7	1.6	1.5
335	Nonferrous rolling and drawing	39.0	38.3	33.9	34.4	33.6
3351	Copper rolling and drawing	3.6	3.4	3.0	3.0	2.9
3353	Aluminum sheet, plate, and foil	3.9	3.8	3.1	3.1	3.0
3357	Nonferrous wire drawing and insulating	23.8	23.6	20.7	20.9	20.1
336	Nonferrous foundries	15.6	15.3	14.7	14.7	14.5
3361	Aluminum foundries	8.2	8.1	7.8	7.7	7.6
34	FABRICATED METAL PRODUCTS	342.6	337.2	300.7	302.2	296.9
341	Metal cans and shipping containers	12.7	11.8	11.7	11.4	10.3
3411	Metal cans	10.9	10.0	9.9	9.6	9.0
342	Cutlery, hand tools, and hardware	54.9	53.7	45.2	45.3	44.8
3423, 5	Hand and edge tools, and hand saws and blades	15.6	15.5	12.7	12.7	12.7
3429	Hardware, nec	32.5	31.5	26.3	26.6	26.0
343	Plumbing and heating, except electric	17.5	17.3	16.1	16.8	15.8
344	Fabricated structural metal products	73.6	72.9	67.4	67.3	67.0
3441	Fabricated structural metal	7.9	7.8	6.9	6.8	6.7
3442	Metal doors, sash, and trim	21.6	21.0	20.8	20.8	21.3
3443	Fabricated plate work (boiler shops)	18.8	18.9	16.9	16.7	16.1
3444	Sheet metal work	15.6	15.5	14.3	14.5	14.5
345	Screw machine products, bolts, etc.	23.8	23.8	20.2	20.0	19.3
3451	Screw machine products	11.6	11.7	10.0	10.0	9.7
3452	Bolts, nuts, rivets, and washers	12.2	12.1	10.2	10.0	9.6
346	Metal forgings and stampings	54.5	52.7	45.2	46.0	44.0
3462	Iron and steel forgings	4.1	4.1	3.4	3.3	3.1
3465	Automotive stampings	14.4	13.9	11.9	12.5	11.5
3469	Metal stampings, nec	33.3	32.1	27.6	28.0	27.3
347	Metal services, nec	24.5	24.6	21.6	21.6	21.5
3471	Plating and polishing	17.8	17.9	16.0	16.1	16.1
3479	Metal coating and allied services	6.7	6.7	5.6	5.5	5.4
348	Ordinance and accessories, nec	19.6	19.5	20.0	20.2	20.1
349	Misc. fabricated metal products	61.5	60.9	53.3	53.6	52.6
3494	Valves and pipe fittings	23.4	23.1	20.2	20.1	19.7
3496	Misc. fabricated wire products	14.7	14.6	13.4	13.5	13.4
35	MACHINERY, EXCEPT ELECTRICAL	516.5	518.5	473.1	473.8	463.6
351	Engines and turbines	24.7	25.0	20.7	20.9	17.8
3511	Turbines and turbine generator sets	6.5	6.6	6.2	6.1	6.1
3519	Internal combustion engines, nec	18.2	18.4	14.5	14.8	13.7
352	Farm and garden machinery	24.9	25.3	20.2	21.0	21.9
3523	Farm machinery and equipment	18.7	18.6	14.9	15.3	15.1
353	Construction and related machinery	54.0	54.0	45.2	43.1	39.5
3531	Construction machinery	15.7	15.6	12.4	12.1	10.1
3533	Oil field machinery	18.1	18.4	15.8	14.5	13.7
354	Metalworking machinery	58.6	58.4	48.1	48.7	47.9
3541	Machine tools, metal cutting types	10.6	10.4	8.0	7.7	7.4
3544	Special dies, tools, jigs, and fixtures	16.7	16.3	14.6	14.3	14.2
3545	Machine tool accessories	13.6	13.6	11.5	11.2	11.0
355	Special industry machinery	29.5	29.5	26.8	26.5	26.2
3551	Food products machinery	5.5	5.6	5.3	5.3	5.1
3552	Textile machinery	5.0	5.0	4.2	4.2	4.1
3555	Printing trades machinery	6.5	6.6	7.1	7.1	7.1
356	General industrial machinery	63.8	63.3	54.1	52.9	51.5
3561	Pumps and pumping equipment	11.8	11.7	10.1	9.9	9.8
3562	Ball and roller bearings	13.8	13.6	11.5	11.2	10.5
357	Office and computing machines	172.5	174.9	181.8	183.1	182.5
3573	Electronic computing equipment	145.4	147.9	156.7	157.2	156.8
358	Refrigeration and service machinery	38.3	38.1	32.5	33.5	32.5
3585	Refrigeration and heating equipment	25.9	25.5	21.0	21.5	20.6
359	Misc. machinery, except electrical	50.2	50.0	43.7	44.1	42.8
3599	Machinery, except electrical, nec	40.1	40.3	35.1	35.3	34.8
36	ELECTRIC AND ELECTRONIC EQUIPMENT	907.1	904.9	845.9	844.8	835.7
361	Electric distributing equipment	47.4	47.3	40.3	41.1	40.9
3612	Transformers	20.4	20.4	17.5	17.8	17.4
3613	Switchgear and switchboard apparatus	27.0	26.9	22.8	23.3	23.5
362	Electrical industrial apparatus	52.2	50.4	46.6	45.1	43.2
3621	Motors and generators	50.8	49.7	40.5	40.3	39.2
3622	Industrial controls	29.0	28.6	26.1	24.9	24.5
363	Household appliances	62.0	60.9	49.3	51.1	50.2
3632	Household refrigerators and freezers	9.9	9.1	7.1	6.8	6.2
3633	Household laundry equipment	4.4	4.4	3.2	3.5	3.5
3634	Electric housewares and fans	30.7	30.1	25.7	27.3	26.9
364	Electric lighting and wiring equipment	91.6	91.8	82.4	82.5	81.2
3641	Electric lamps	19.8	20.4	19.3	18.5	18.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sep. 1981	Oct. 1981	Aug. 1982	Sep. 1982	Oct. 1982
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	40.8	40.4	36.5	36.5	35.6
365	Radio and TV receiving equipment	58.6	57.8	48.4	49.4	48.6
3651	Radio and TV receiving sets	43.6	43.1	37.1	37.1	35.9
366	Communication equipment	212.7	213.5	208.2	207.1	205.8
3661	Telephone and telegraph apparatus	74.5	74.1	66.9	66.1	55.3
3662	Radio and TV communication equipment	138.2	139.4	141.3	141.0	141.5
367	Electronic components and accessories	287.1	288.3	286.0	282.8	279.7
3671-3	Electronic tubes	16.5	16.5	16.0	16.1	16.2
3674	Semiconductors and related devices	102.5	102.9	107.2	105.2	104.6
3679	Electronic components, nec.	118.6	120.3	119.6	118.6	116.7
369	Misc. electrical equipment and supplies	55.5	54.9	54.7	55.7	55.1
3694	Engine electrical equipment	24.6	24.1	24.7	25.0	25.6
37	TRANSPORTATION EQUIPMENT	315.2	313.2	278.2	282.4	273.6
371	Motor vehicles and equipment	115.2	115.5	96.6	100.1	95.3
3711	Motor vehicles and car bodies	41.1	42.8	32.5	35.1	33.8
3713	Truck and bus bodies	4.3	4.2	3.0	3.4	2.9
3714	Motor vehicle parts and accessories	66.1	64.8	58.1	58.3	55.3
372	Aircraft and parts	125.8	124.8	114.2	115.4	115.3
3721	Aircraft	69.7	69.3	63.2	63.5	63.4
3724	Aircraft engines and engine parts	28.7	28.3	24.6	25.5	25.4
3728	Aircraft equipment, nec.	27.4	27.2	26.4	26.4	25.5
373	Ship and boat building and repairing	25.8	25.0	22.8	22.6	23.3
3731	Ship building and repairing	19.4	18.7	16.7	16.5	17.5
374	Railroad equipment	5.8	5.5	4.0	3.9	3.6
376	Guided missiles, space vehicles, parts	28.2	28.3	29.6	29.6	27.8
3761	Guided missiles and space vehicles	23.0	23.1	24.3	24.3	24.4
379	Miscellaneous transportation equipment	7.5	7.4	6.9	7.1	7.2
38	INSTRUMENTS AND RELATED PRODUCTS	311.9	310.5	297.4	296.0	292.6
381	Engineering and scientific instruments	24.6	24.7	23.8	23.1	23.2
382	Measuring and controlling devices	112.5	111.4	101.8	101.2	99.8
3822	Environmental controls	24.4	23.6	20.3	20.3	19.9
3823	Process control instruments	21.2	20.9	18.4	17.8	17.9
3825	Instruments to measure electricity	48.0	48.2	47.2	46.7	46.2
383	Optical instruments and lenses	11.9	11.9	11.4	11.4	11.5
384	Medical instruments and supplies	87.0	87.2	87.0	87.6	87.2
3841	Surgical and medical instruments	42.6	42.9	43.2	43.4	43.3
3842	Surgical appliances and supplies	36.5	36.5	36.3	36.9	36.8
385	Ophthalmic goods	23.9	23.5	21.6	21.2	20.5
386	Photographic equipment and supplies	39.7	39.7	40.8	40.0	39.2
387	Watches, clocks, and watchcases	12.3	12.1	11.0	11.5	11.2
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	199.6	200.8	178.1	180.8	178.6
391	Jewelry, silverware, and plated ware	26.8	27.7	25.8	26.6	27.5
393	Musical instruments	9.6	10.0	8.6	8.6	8.6
394	Toys and sporting goods	66.0	65.4	56.7	57.9	54.3
3942, 4	Dolls, games, toys, and children's vehicles	37.3	36.9	31.5	32.6	29.3
3949	Sporting and athletic goods, nec.	28.7	28.5	25.2	25.3	25.0
395	Pens, pencils, office and art supplies	20.7	20.5	18.0	17.7	17.4
396	Costume jewelry and notions	27.0	27.4	23.2	23.5	24.3
399	Miscellaneous manufactures	49.5	49.8	45.8	46.5	46.5
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	550.4	531.3	540.2	544.3	529.9
201	Meat products	117.5	117.4	114.4	114.6	114.2
2011	Meat packing plants	29.0	28.8	26.5	26.7	26.5
2013	Sausages and other prepared meats	21.2	20.9	21.0	21.2	20.8
2016	Poultry dressing plants	61.0	60.9	59.9	60.0	60.2
202	Dairy products	37.2	36.5	37.3	36.5	35.6
2026	Fluid milk	16.5	16.3	16.2	15.8	15.7
203	Preserved fruits and vegetables	141.1	117.2	138.7	140.4	120.7
2032	Canned specialties	10.6	9.6	9.4	10.1	9.4
2033	Canned fruits and vegetables	66.1	43.8	66.9	64.6	44.9
2037	Frozen fruits and vegetables	26.4	25.7	25.4	28.6	27.8
204	Grain mill products	30.2	29.8	28.8	28.7	29.1
205	Bakery products	58.5	58.6	58.5	59.0	59.2
2051	Bread, cake, and related products	38.6	38.5	39.1	39.0	39.0
2052	Cookies and crackers	19.9	20.1	19.4	20.0	20.2
206	Sugar and confectionery products	44.1	50.2	41.9	44.8	51.0
207	Fats and oils	5.8	5.9	5.8	5.8	6.0
208	Beverages	43.0	43.5	43.1	43.0	43.2
2082	Malt beverages	7.9	8.1	8.1	7.8	7.7
2086	Bottled and canned soft drinks	19.1	19.0	19.9	19.6	19.5
209	Misc. foods and kindred products	73.0	72.2	71.7	71.5	70.9
21	TOBACCO MANUFACTURES	28.5	28.6	24.8	24.8	25.0
211	Cigarettes	14.6	14.5	13.8	13.4	13.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
22	TEXTILE MILL PRODUCTS	397.2	390.5	353.1	354.9	357.6
221	Weaving mills, cotton	61.4	60.6	51.9	52.2	52.3
222	Weaving mills, synthetics	47.0	44.9	38.5	39.1	37.8
223	Weaving and finishing mills, wool	7.2	7.2	6.1	6.3	5.3
224	Narrow fabric mills	14.8	14.5	13.1	12.9	12.3
225	Knitting mills	141.9	140.4	133.5	134.1	137.7
2251	Women's hosiery, except socks	24.9	25.0	24.1	24.3	24.2
2252	Hosiery, nec	24.0	23.9	22.4	22.3	22.1
2253	Knit outerwear mills	52.5	51.9	50.2	50.2	50.7
2254	Knit underwear mills	21.7	21.5	20.7	20.9	20.8
2257	Circular knit fabric mills	11.1	10.6	9.2	9.5	9.3
226	Textile finishing, except wool	21.9	21.8	20.0	19.7	19.6
2261	Finishing plants, cotton	10.1	10.4	9.4	9.2	7.3
2262	Finishing plants, synthetic	5.9	5.8	5.3	5.0	5.0
227	Floor covering mills	22.9	22.9	20.0	20.3	21.1
228	Yarn and thread mills	60.5	59.0	53.5	54.0	53.6
2281	Yarn mills, except wool	38.6	37.3	35.3	35.5	35.6
2282	Throwing and winding mills	11.8	11.6	9.9	10.2	10.1
229	Miscellaneous textile goods	19.6	19.2	16.5	16.3	15.4
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,024.8	1,015.3	926.7	934.5	932.5
231	Men's and boys' suits and coats	60.6	60.2	56.5	57.6	55.0
232	Men's and boys' furnishings	297.9	295.8	272.7	274.1	273.1
2321	Men's and boys' shirts and nightwear	66.3	66.3	79.2	79.1	78.9
2327	Men's and boys' separate trousers	59.4	59.7	55.9	55.5	55.1
2328	Men's and boys' work clothing	84.7	82.5	77.7	79.4	79.7
233	Women's and misses' outerwear	354.0	347.8	315.1	316.5	317.5
2331	Women's and misses' blouses and waists	55.9	56.0	53.5	52.9	53.4
2335	Women's and misses' dresses	122.1	118.5	107.1	108.4	107.5
2337	Women's and misses' suits and coats	54.3	50.7	45.2	44.9	45.1
2339	Women's and misses' outerwear, nec	121.7	122.6	109.3	110.3	111.9
234	Women's and children's undergarments	80.7	80.8	72.7	74.1	74.2
2341	Women's and children's underwear	65.5	65.7	60.9	62.4	62.2
2342	Brassieres and allied garments	15.2	15.1	11.9	11.7	12.0
236	Children's outerwear	54.8	54.5	50.9	50.6	51.2
2361	Children's dresses and blouses	24.2	24.4	22.9	22.7	23.0
238	Misc. apparel and accessories	44.7	44.5	40.1	39.7	39.3
239	Misc. fabricated textile products	115.4	115.8	103.2	106.4	105.9
2391	Curtains and draperies	22.3	22.6	18.6	19.1	18.9
2392	House furnishings, nec	32.5	32.9	30.7	31.6	32.1
2396	Automotive and apparel trimmings	15.8	16.2	13.6	14.3	13.5
26	PAPER AND ALLIED PRODUCTS	164.0	161.1	152.5	151.9	151.0
261, 2,6	Paper and pulp mills	28.5	28.1	27.2	26.6	26.1
262	Paper mills, except building paper	25.6	25.3	24.5	24.0	23.5
263	Paperboard mills	6.0	5.9	5.4	5.3	5.2
264	Misc. converted paper products	79.8	78.1	74.6	74.4	74.0
285	Paperboard containers and boxes	49.7	49.0	45.3	45.6	45.7
27	PRINTING AND PUBLISHING	509.2	513.6	512.9	513.9	514.6
271	Newspapers	162.1	164.1	164.5	164.7	154.6
272	Periodicals	57.7	58.1	59.6	59.3	59.9
273	Books	52.2	52.3	51.7	50.5	50.2
274	Miscellaneous publishing	25.7	26.2	27.4	27.1	25.2
275	Commercial printing	133.6	134.7	132.0	133.7	134.5
2751	Commercial printing, letterpress	53.0	53.7	50.7	51.9	52.4
2752	Commercial printing, lithographic	74.1	74.7	75.3	75.8	76.0
276	Manifold business forms	15.9	16.0	15.7	15.9	15.7
278	Blankbooks and bookbinding	34.5	34.4	34.0	34.1	33.3
279	Printing trade services	11.8	12.1	12.7	13.0	13.4
28	CHEMICALS AND ALLIED PRODUCTS	286.6	285.9	280.6	278.5	274.7
281	Industrial inorganic chemicals	24.0	23.8	24.3	23.9	23.8
2819	Industrial inorganic chemicals, nec	16.2	16.1	16.2	16.0	15.9
282	Plastics materials and synthetics	43.0	42.8	39.5	38.8	37.6
2821	Plastics materials and resins	11.6	11.6	11.0	10.8	11.7
2824	Organic fibers, noncellulosic	22.4	22.3	20.6	20.5	19.6
283	Drugs	86.2	86.3	86.4	85.7	86.0
2834	Pharmaceutical preparations	72.4	72.6	72.0	71.6	71.8
284	Soap, cleaners, and toilet goods	60.7	60.2	60.7	60.5	58.1
2841	Soap and other detergents	10.1	9.9	10.4	10.2	11.1
2844	Toilet preparations	38.1	37.8	37.7	37.5	35.5
285	Paints and allied products	12.2	12.3	11.6	11.5	11.4
286	Industrial organic chemicals	28.4	29.5	27.6	27.7	27.6
2861,9	Gum, wood, and industrial organic chemicals, nec	23.6	23.7	23.2	23.3	23.2
287	Agricultural chemicals	10.7	10.7	9.9	9.9	7.8
289	Miscellaneous chemical products	21.4	21.3	20.6	20.5	20.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Sept. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
29	PETROLEUM AND COAL PRODUCTS	31.9	31.9	32.2	32.3	31.9
291	Petroleum refining	26.6	26.5	27.1	27.2	26.7
30	RUBBER AND MISC. PLASTICS PRODUCTS	266.9	261.9	244.7	245.5	242.0
301	Tires and inner tubes	10.1	10.1	9.0	9.2	9.0
302	Rubber and plastics footwear	13.8	12.4	12.8	12.7	13.1
303,4	Reclaimed rubber, and rubber and plastics hose and belting	7.1	6.9	4.9	5.0	5.1
306	Fabricated rubber products, nec	37.5	37.2	33.4	33.2	32.4
307	Miscellaneous plastics products	198.4	195.3	184.6	185.4	182.4
31	LEATHER AND LEATHER PRODUCTS	142.1	141.6	126.6	125.2	124.2
311	Leather tanning and finishing	3.0	3.1	2.7	2.6	2.6
314	Footwear, except rubber	55.5	54.5	46.4	45.5	44.5
3143	Men's footwear, except athletic	36.8	36.6	31.4	31.1	30.7
3144	Women's footwear, except athletic	35.7	35.5	34.4	33.9	33.4
316	Luggage	7.3	7.8	6.9	6.6	6.6
317	Handbags and personal leather goods	21.5	21.8	17.9	17.9	17.7
	TRANSPORTATION AND PUBLIC UTILITIES	1,362	1,366	1,319	1,344	1,345
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	78.8	81.0	47.1	44.5	35.7
411	Local and suburban transportation	16.1	16.3	16.5	16.8	16.3
412	Taxicabs	6.8	6.6	6.1	6.5	5.4
413	Intercity highway transportation	5.0	4.7	4.9	5.0	4.7
415	School buses	47.6	50.0	16.3	52.6	54.6
42	TRUCKING AND WAREHOUSING	155.1	156.9	154.4	153.4	156.2
421,3	Trucking and trucking terminals	136.9	136.8	137.2	136.0	135.7
422	Public warehousing	18.2	20.1	17.2	17.4	20.5
44	WATER TRANSPORTATION	24.7	24.2	25.3	24.5	24.1
45	TRANSPORTATION BY AIR	149.7	148.0	146.6	146.7	146.2
451,2	Air transportation	140.6	138.8	135.8	136.9	136.7
46	PIPE LINES, EXCEPT NATURAL GAS	3.3	3.3	3.2	3.0	3.0
47	TRANSPORTATION SERVICES	108.0	108.9	116.8	115.9	115.5
48	COMMUNICATION	652.2	653.4	627.9	622.3	620.5
481	Telephone communication	555.7	555.8	522.8	516.0	513.3
483	Radio and television broadcasting	68.1	68.9	72.7	72.9	73.3
49	ELECTRIC, GAS, AND SANITARY SERVICES	165.1	165.3	174.4	171.1	171.5
491	Electric services	77.4	77.6	82.5	81.9	82.0
492	Gas production and distribution	39.2	39.1	41.2	40.0	40.0
493	Combination utility services	37.0	37.1	38.6	37.5	37.4
495	Sanitary services	6.5	6.6	6.6	6.5	6.7
	WHOLESALE AND RETAIL TRADE	9,094	9,121	9,077	9,132	9,141
50,51	WHOLESALE TRADE	1,409	1,423	1,393	1,398	1,408
50	WHOLESALE TRADE-DURABLE GOODS	776	782	770	767	765
501	Motor vehicles and automotive equipment	89.2	89.5	90.3	89.7	89.7
502	Furniture and home furnishings	45.4	45.9	46.3	46.3	45.8
503	Lumber and construction materials	36.7	36.8	37.1	37.3	37.2
504	Sporting goods, toys, and hobby goods	24.4	24.5	24.2	24.6	24.6
505	Metals and minerals, except petroleum	29.6	29.6	26.8	26.4	25.9
506	Electrical goods	126.6	128.9	127.7	127.5	126.9
507	Hardware, plumbing, and heating equipment	65.7	66.0	64.1	64.1	64.2
508	Machinery, equipment, and supplies	310.6	312.8	309.7	307.4	305.6
509	Miscellaneous durable goods	47.9	47.7	43.6	43.7	43.5
51	WHOLESALE TRADE-NONDURABLE GOODS	633	641	623	631	643
511	Paper and paper products	48.6	49.2	51.4	51.7	52.0
512	Drugs, proprietaries, and sundries	65.2	65.8	68.1	68.6	69.0
513	Apparel, piece goods, and notions	83.8	83.7	84.7	85.2	87.1
514	Groceries and related products	160.0	159.6	148.8	150.3	150.7
516	Chemicals and allied products	36.1	36.2	38.1	38.3	38.6
517	Petroleum and petroleum products	55.3	55.2	56.2	55.7	55.6
518	Beer, wine, and distilled beverages	22.1	21.9	22.0	22.1	21.9
519	Miscellaneous nondurable goods	121.9	123.5	121.9	124.1	124.5

ESTABLISHMENT DATA WOMEN EMPLOYEES

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

(In thousands)

1972 SIC Code	Industry	Sept. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
52-59	RETAIL TRADE	7,685	7,698	7,684	7,734	7,733
52	BUILDING MATERIALS AND GARDEN SUPPLIES	160.1	161.3	155.5	156.2	153.2
521	Lumber and other building materials	64.6	64.6	63.3	62.9	63.5
525	Hardware stores	55.9	55.9	55.5	55.3	55.9
53	GENERAL MERCHANDISE STORES	1,454.9	1,487.6	1,476.2	1,488.5	1,515.9
531	Department stores	1,191.7	1,223.0	1,219.9	1,231.8	1,259.2
533	Variety stores	179.0	178.8	168.2	169.0	159.7
539	Misc. general merchandise stores	84.2	65.8	88.1	87.7	93.0
54	FOOD STORES	1,055.5	1,062.4	1,077.4	1,087.1	1,091.1
541	Grocery stores	886.8	889.4	903.7	912.0	915.1
542	Meat markets and freezer provisioners	16.7	16.7	17.0	17.4	17.2
546	Retail bakeries	80.7	81.6	80.3	82.0	82.2
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	310.8	311.4	319.9	318.6	316.2
551,2	New and used car dealers	111.5	111.4	108.6	108.4	107.9
553	Auto and home supply stores	48.8	49.6	50.5	50.8	51.6
554	Gasoline service stations	135.4	135.7	145.0	144.3	141.8
56	APPAREL AND ACCESSORY STORES	666.8	674.3	670.3	670.1	674.5
561	Men's and boys' clothing and furnishings	56.3	57.1	55.3	56.2	55.5
562	Women's ready-to-wear stores	308.8	313.8	309.3	309.0	311.5
565	Family clothing stores	135.5	135.3	134.9	133.7	134.0
566	Shoe stores	86.9	86.3	90.9	89.4	89.4
57	FURNITURE AND HOME FURNISHING STORES	203.8	208.4	203.6	205.2	203.3
571	Furniture and home furnishings stores	136.6	138.5	132.7	134.2	135.2
572	Household appliance stores	21.4	22.6	23.3	23.2	23.3
573	Radio, television, and music stores	45.8	47.3	47.6	47.8	49.3
58	EATING AND DRINKING PLACES	2,755.9	2,691.3	2,707.8	2,719.2	2,660.6
59	MISCELLANEOUS RETAIL	1,077.0	1,101.7	1,072.9	1,089.2	1,107.7
591	Drug stores and proprietary stores	315.4	319.1	313.0	314.6	313.6
592	Liquor stores	37.1	37.5	36.4	36.9	39.3
594	Miscellaneous shopping goods stores	382.2	388.0	385.2	394.3	403.0
596	Nonstore retailers	166.3	177.9	165.0	169.9	174.1
598	Fuel and ice dealers	23.2	23.9	24.0	23.3	24.4
599	Retail stores, nec	131.0	134.0	127.7	128.2	130.7
	FINANCE, INSURANCE, AND REAL ESTATE	3,172	3,175	3,227	3,205	3,199
60	BANKING	1,160.9	1,163.1	1,180.2	1,169.8	1,168.0
602	Commercial and stock savings banks	1,067.5	1,069.3	1,084.9	1,075.3	1,073.1
61	CREDIT AGENCIES OTHER THAN BANKS	400.4	401.8	409.7	408.9	410.7
612	Savings and loan associations	195.9	197.7	206.6	206.9	203.3
614	Personal credit institutions	131.5	131.0	127.6	127.7	127.2
62	SECURITY, COMMODITY BROKERS, AND SERVICES	114.2	115.2	122.4	121.5	123.2
621	Security brokers and dealers	94.1	95.0	101.5	100.7	102.4
63	INSURANCE CARRIERS	750.7	750.6	744.6	740.1	733.6
631	Life insurance	302.8	303.3	301.2	299.3	298.2
632	Medical service and health insurance	102.2	102.3	101.4	101.1	101.7
633	Fire, marine, and casualty insurance	295.9	295.7	294.3	291.8	291.7
64	INSURANCE AGENTS, BRDKERS, AND SERVICE	294.4	296.8	303.3	301.6	301.4
65	REAL ESTATE	374.7	371.0	385.5	382.5	376.1
651	Real estate operators and lessors	150.3	149.4	162.3	160.7	157.5
653	Real estate agents and managers	175.4	173.1	175.1	174.3	172.2
655	Subdividers and developers	34.8	34.7	35.4	34.9	34.2
66	COMBINED REAL ESTATE, INSURANCE, ETC	11.6	11.5	11.6	11.5	11.5
67	HOLDING AND OTHER INVESTMENT OFFICES	65.2	65.4	69.4	69.5	69.2
	SERVICES	11,030	11,131	11,285	11,366	11,407
70	HOTELS AND OTHER LODGING PLACES	627.4	602.3	666.4	614.4	533.5
701	Hotels, motels, and tourist courts	604.2	584.3	623.6	591.2	579.9

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Sept. 1981	Oct. 1981	Aug. 1982	Sept. 1982	Oct. 1982
72	PERSONAL SERVICES	623.9	632.1	625.5	636.3	642.4
721	Laundry, cleaning, and garment services	222.6	225.2	219.0	219.8	221.7
723	Beauty shops	256.2	255.9	263.7	266.3	256.1
726	Funeral service and crematories	19.5	19.5	20.7	21.2	21.0
73	BUSINESS SERVICES	1,442.4	1,464.2	1,438.7	1,441.1	1,455.9
731	Advertising	73.8	74.2	78.8	79.3	79.4
732	Credit reporting and collection	53.7	53.6	53.9	53.9	53.8
733	Mailing, reproduction, stenographic	63.9	66.3	62.8	64.5	55.7
734	Services to buildings	201.9	201.9	205.9	206.2	205.6
736	Personnel supply services	381.0	384.4	345.2	345.2	348.6
737	Computer and data processing services	161.3	163.6	168.2	169.8	171.6
75	AUTO REPAIR, SERVICES, AND GARAGES	94.6	95.8	102.0	101.1	110.8
753	Automotive repair shops	43.8	44.8	50.9	50.3	50.1
76	MISCELLANEOUS REPAIR SERVICES	58.2	59.1	58.6	58.0	53.2
78	MOTION PICTURES	87.9	84.8	89.1	84.4	81.1
781	Motion picture production and services	26.7	28.0	26.2	25.9	25.3
783	Motion picture theaters	54.8	50.4	57.0	52.4	43.8
79	AMUSEMENT AND RECREATION SERVICES	327.6	293.3	389.0	357.8	322.8
80	HEALTH SERVICES	4,564.4	4,591.3	4,742.0	4,741.0	4,747.0
801	Offices of physicians	619.7	622.1	648.2	647.2	649.1
802	Offices of dentists	308.1	313.6	329.8	331.4	333.4
805	Nursing and personal care facilities	922.3	923.7	953.7	954.6	954.8
806	Hospitals	2,370.3	2,386.8	2,445.6	2,441.8	2,441.8
81	LEGAL SERVICES	379.1	382.7	402.3	402.4	404.2
82	EDUCATIONAL SERVICES	590.8	667.9	522.9	621.2	685.3
821	Elementary and secondary schools	183.9	193.8	163.1	198.5	205.6
822	Colleges and universities	341.4	405.4	293.4	354.9	407.5
83	SOCIAL SERVICES	853.4	863.1	854.7	896.7	897.4
89	MISCELLANEOUS SERVICES	348.8	350.9	360.4	357.5	359.5
891	Engineering and architectural services	125.1	125.5	129.3	127.3	125.7
893	Accounting, auditing, and bookkeeping	161.5	163.4	170.0	171.5	173.9
	GOVERNMENT	7,414	7,737	7,093	7,743	8,122
	FEDERAL GOVERNMENT	866	865	1,264	1,326	1,476
	STATE AND LOCAL GOVERNMENT	6,548	6,872	5,829	6,417	6,716
	State government	1,607.7	1,664.4	1,484.4	1,563.1	1,631.8
	Hospitals	326.9	328.4	318.9	317.4	318.3
	State education	622.7	701.1	514.6	614.4	692.1
	General administration including executive, legislative, and judicial functions	437.7	439.6	433.7	420.9	414.5
	Local government	4,939.9	5,187.6	4,344.1	4,853.6	5,084.0
	Transportation and public utilities	94.8	93.0	97.2	97.6	96.6
	Hospitals	512.1	514.5	529.8	528.7	530.0
	Local education	3,184.3	3,458.9	2,460.3	3,062.7	3,328.5
	General administration including executive, legislative, and judicial functions	951.9	933.7	1,042.5	973.1	955.1

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL	90,642	90,460	90,459	90,304	90,083	90,166	89,839	89,535	89,312	89,267	88,860	88,684	88,518
GOODS-PRODUCING	24,908	24,684	24,631	24,450	24,289	24,255	23,994	23,840	23,657	23,530	23,239	23,082	22,988
MINING	1,206	1,201	1,203	1,197	1,182	1,152	1,124	1,100	1,086	1,075	1,058	1,051	1,036
CONSTRUCTION	4,026	3,966	3,974	3,934	3,938	3,988	3,940	3,927	3,899	3,883	3,856	3,848	3,818
MANUFACTURING	19,676	19,517	19,454	19,310	19,169	19,115	18,930	18,813	18,672	18,572	18,325	18,183	18,134
DURABLE GOODS	11,724	11,622	11,575	11,490	11,375	11,332	11,203	11,133	10,993	10,900	10,666	10,555	10,533
Lumber and wood products	615	607	611	607	615	617	615	614	614	616	614	618	619
Furniture and fixtures	457	452	449	446	443	443	442	439	443	439	434	433	425
Stone, clay, and glass products	610	596	596	590	584	586	580	579	574	571	565	556	553
Primary metal industries	1,053	1,038	1,024	1,007	976	945	926	906	889	865	831	815	806
Fabricated metal products	1,529	1,515	1,505	1,496	1,481	1,472	1,452	1,446	1,427	1,414	1,381	1,367	1,364
Machinery, except electrical	2,486	2,459	2,446	2,419	2,389	2,377	2,322	2,274	2,230	2,208	2,142	2,139	2,095
Electric and electronic equipment	2,049	2,055	2,048	2,038	2,034	2,034	2,026	2,018	2,011	1,995	1,960	1,962	1,939
Transportation equipment	1,791	1,777	1,778	1,774	1,748	1,755	1,745	1,759	1,719	1,709	1,658	1,633	1,664
Instruments and related products	725	720	718	716	713	713	708	708	702	701	694	686	685
Miscellaneous manufacturing ind.	409	403	400	397	392	390	387	390	384	382	378	374	373
NONDURABLE GOODS	7,952	7,895	7,879	7,829	7,794	7,783	7,727	7,680	7,679	7,672	7,659	7,528	7,601
Food and kindred products	1,661	1,657	1,663	1,658	1,643	1,652	1,637	1,643	1,628	1,629	1,644	1,642	1,532
Tobacco manufactures	68	69	68	68	67	67	67	65	65	63	63	61	63
Textile mill products	794	780	777	760	773	759	741	741	737	735	735	725	720
Apparel and other textile products	1,222	1,201	1,201	1,186	1,165	1,165	1,161	1,126	1,145	1,143	1,141	1,136	1,128
Paper and allied products	677	674	670	668	664	661	658	657	653	657	650	652	650
Printing and publishing	1,276	1,275	1,276	1,278	1,274	1,274	1,269	1,267	1,269	1,269	1,268	1,266	1,265
Chemicals and allied products	1,100	1,095	1,093	1,088	1,082	1,079	1,073	1,068	1,070	1,066	1,061	1,058	1,055
Petroleum and coal products	214	210	208	207	206	207	205	205	205	209	208	206	206
Rubber and misc. plastic products	716	712	709	703	706	708	704	700	699	694	684	677	679
Leather and leather products	224	222	215	213	214	211	212	208	208	207	205	205	207
SERVICE-PRODUCING	65,734	65,776	65,828	65,854	65,794	65,911	65,845	65,695	65,655	65,737	65,621	65,602	65,530
TRANSPORTATION AND PUBLIC UTILITIES	5,128	5,125	5,115	5,100	5,094	5,101	5,078	5,044	5,025	5,031	5,007	4,994	4,979
WHOLESALE AND RETAIL TRADE	20,524	20,630	20,670	20,655	20,584	20,652	20,595	20,615	20,550	20,492	20,441	20,390	20,297
WHOLESALE TRADE	5,357	5,346	5,343	5,336	5,323	5,331	5,307	5,299	5,278	5,272	5,254	5,230	5,203
RETAIL TRADE	15,167	15,284	15,327	15,319	15,261	15,321	15,288	15,316	15,272	15,220	15,187	15,160	15,094
FINANCE, INSURANCE, AND REAL ESTATE	5,331	5,326	5,326	5,336	5,335	5,342	5,352	5,359	5,360	5,367	5,357	5,362	5,376
SERVICES	18,834	18,831	18,867	18,904	18,929	18,863	18,988	19,042	19,048	19,084	19,074	19,125	19,143
GOVERNMENT	15,917	15,864	15,850	15,859	15,852	15,853	15,832	15,635	15,672	15,763	15,742	15,731	15,735
FEDERAL	2,756	2,741	2,737	2,736	2,730	2,728	2,739	2,737	2,739	2,734	2,723	2,726	2,728
STATE AND LOCAL	13,161	13,123	13,113	13,123	13,122	13,125	13,093	12,898	12,933	13,029	13,019	13,005	13,007

¹ Data for September through December 1982 are estimated by the Bureau of Labor Statistics.

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	1981			1982									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
TOTAL	39,198	39,139	39,098	39,089	39,147	39,150	39,093	39,121	39,195	39,180	39,287	39,438	39,378
GOODS-PRODUCING ..	6,871	6,814	6,759	6,712	6,692	6,650	6,601	6,593	6,536	6,502	6,480	6,439	6,385
MINING	137	138	141	140	141	142	143	141	138	135	134	133	132
CONSTRUCTION	381	381	381	384	382	382	384	383	381	379	379	378	379
MANUFACTURING	6,353	6,295	6,237	6,188	6,169	6,126	6,074	6,069	6,017	5,988	5,967	5,928	5,874
DURABLE GOODS	3,050	3,008	2,972	2,957	2,942	2,922	2,894	2,891	2,865	2,860	2,834	2,804	2,752
Lumber and wood products	98	95	94	93	92	91	91	91	91	91	91	91	90
Furnitures and fixtures	142	139	137	136	135	135	133	133	133	133	131	132	130
Stone, clay, and glass products	126	123	122	120	120	119	117	117	115	115	114	114	111
Primary metal industries	122	119	116	113	112	110	107	107	105	105	103	100	96
Fabricated metal products	333	326	320	317	315	313	309	308	307	304	304	300	292
Machinery, except electrical	520	517	511	507	505	503	500	499	493	485	480	477	465
Electric and electronic equipment	898	884	874	880	876	870	867	869	860	859	855	842	830
Transportation equipment	308	304	298	296	295	293	287	286	284	288	282	279	274
Instruments and related products	311	310	309	307	306	304	303	303	301	301	297	296	292
Miscellaneous manufacturing ind.	192	191	191	188	186	184	180	178	176	180	176	174	171
NONDURABLE GOODS	3,303	3,287	3,265	3,231	3,227	3,204	3,180	3,178	3,152	3,128	3,133	3,124	3,121
Food and kindred products	499	501	500	496	499	499	491	495	490	498	493	496	497
Tobacco manufactures	25	25	25	25	24	24	24	24	24	24	23	22	22
Textile mill products	388	383	378	370	368	362	367	362	353	355	352	352	351
Apparel and other textile products	1,004	998	988	971	971	958	939	938	935	905	922	923	921
Paper and allied products	160	158	158	157	157	156	155	154	151	152	151	151	150
Printing and publishing	513	513	515	516	518	518	518	519	517	515	515	516	514
Chemicals and allied products	285	285	285	284	284	283	282	281	280	278	279	277	274
Petroleum and coal products	32	32	32	32	33	33	32	32	31	31	31	32	32
Rubber and misc. plastics products	258	254	250	247	245	244	245	247	245	246	246	242	239
Leather and leather products	139	138	134	133	128	127	127	126	126	124	124	123	122
SERVICE-PRODUCING ..	32,327	32,325	32,339	32,377	32,455	32,500	32,492	32,588	32,659	32,678	32,807	32,999	33,013
TRANSPORTATION AND PUBLIC UTILITIES	1,355	1,351	1,358	1,338	1,339	1,339	1,342	1,348	1,341	1,335	1,334	1,336	1,333
WHOLESALE AND RETAIL TRADE ..	9,066	9,049	9,022	9,084	9,129	9,130	9,118	9,156	9,124	9,164	9,127	9,091	9,086
WHOLESALE TRADE	1,407	1,412	1,408	1,405	1,408	1,409	1,411	1,410	1,406	1,403	1,397	1,395	1,391
RETAIL TRADE	7,659	7,637	7,614	7,679	7,721	7,721	7,707	7,746	7,718	7,761	7,730	7,696	7,695
FINANCE, INSURANCE, AND REAL ESTATE	3,183	3,186	3,189	3,185	3,185	3,190	3,194	3,202	3,211	3,209	3,211	3,215	3,205
SERVICES ..	11,086	11,113	11,135	11,151	11,192	11,216	11,229	11,255	11,265	11,300	11,308	11,366	11,362
GOVERNMENT ..	7,637	7,626	7,635	7,619	7,610	7,625	7,609	7,627	7,718	7,670	7,827	7,991	8,027
FEDERAL	876	874	881	877	875	876	873	876	1,014	1,137	1,248	1,348	1,423
STATE AND LOCAL	6,761	6,752	6,754	6,742	6,735	6,749	6,736	6,751	6,704	6,533	6,579	6,643	6,604

ESTABLISHMENT DATA

SEASONALLY ADJUSTED EMPLOYMENT

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

(In thousands)

Industry division and group	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL PRIVATE	60,401	60,248	60,282	60,132	59,923	60,025	59,759	59,670	59,388	59,303	58,929	58,739	58,535
GOODS-PRODUCING	17,478	17,251	17,225	17,073	16,922	16,917	16,686	16,564	16,414	16,308	16,037	15,895	15,816
MINING	883	875	876	871	863	835	805	782	770	763	745	742	729
CONSTRUCTION	3,107	3,035	3,059	3,023	3,017	3,074	3,029	3,022	2,997	2,979	2,956	2,947	2,914
MANUFACTURING	13,488	13,341	13,290	13,179	13,042	13,008	12,852	12,760	12,647	12,566	12,335	12,206	12,173
DURABLE GOODS	7,885	7,793	7,759	7,685	7,576	7,553	7,443	7,388	7,272	7,191	6,979	6,877	6,853
Lumber and wood products	503	497	502	497	507	507	506	505	506	507	505	509	509
Furniture and fixtures	364	359	356	353	350	350	349	346	350	346	342	341	343
Stone, clay, and glass products	465	452	452	446	441	444	438	438	435	433	427	419	415
Primary metal industries	795	780	770	756	727	702	686	669	657	638	607	593	586
Fabricated metal products	1,110	1,096	1,089	1,081	1,069	1,063	1,046	1,043	1,027	1,017	989	976	977
Machinery, except electrical	1,552	1,526	1,514	1,490	1,460	1,454	1,408	1,366	1,328	1,309	1,250	1,221	1,202
Electric and electronic equipment	1,257	1,266	1,258	1,248	1,241	1,240	1,233	1,221	1,215	1,202	1,180	1,170	1,147
Transportation equipment	1,115	1,102	1,108	1,109	1,086	1,098	1,089	1,112	1,075	1,064	1,014	992	1,021
Instruments and related products	423	420	418	415	411	412	407	406	402	399	392	387	385
Miscellaneous manufacturing ind.	301	295	292	290	284	283	281	282	277	276	273	269	263
NONDURABLE GOODS	5,603	5,548	5,531	5,494	5,466	5,455	5,409	5,372	5,375	5,375	5,356	5,329	5,320
Food and kindred products	1,140	1,135	1,142	1,138	1,125	1,133	1,121	1,129	1,115	1,116	1,129	1,128	1,121
Tobacco manufactures	53	54	53	53	52	52	51	51	49	48	46	46	48
Textile mill products	683	670	667	651	662	650	633	634	630	631	631	622	619
Apparel and other textile products	1,036	1,018	1,018	1,006	987	985	982	949	967	966	963	957	953
Paper and allied products	506	504	501	499	496	493	489	489	487	492	484	485	486
Printing and publishing	700	699	699	701	698	699	696	694	695	695	694	693	692
Chemicals and allied products	616	612	609	609	602	600	595	591	593	592	588	587	587
Petroleum and coal products	131	125	124	124	123	123	122	122	122	126	125	124	125
Rubber and misc. plastics products	548	544	538	534	541	543	542	541	540	535	525	517	520
Leather and leather products	190	187	180	179	180	177	177	172	175	173	170	170	169
SERVICE-PRODUCING	42,923	42,997	43,057	43,059	43,001	43,108	43,073	43,106	42,974	42,995	42,892	42,844	42,719
TRANSPORTATION AND PUBLIC UTILITIES	4,241	4,241	4,232	4,217	4,209	4,212	4,194	4,165	4,142	4,155	4,129	4,116	4,107
WHOLESALE AND RETAIL TRADE	17,920	18,011	18,061	18,051	17,996	18,065	18,014	18,037	17,941	17,889	17,841	17,771	17,694
WHOLESALE TRADE	4,348	4,332	4,327	4,317	4,301	4,309	4,287	4,282	4,260	4,253	4,237	4,208	4,186
RETAIL TRADE	13,572	13,679	13,734	13,734	13,695	13,756	13,727	13,755	13,681	13,636	13,604	13,563	13,508
FINANCE, INSURANCE, AND REAL ESTATE	4,014	4,007	4,003	4,004	3,999	3,998	4,012	4,013	4,006	4,014	4,001	4,000	3,951
SERVICES	16,748	16,738	16,761	16,787	16,797	16,833	16,853	16,891	16,885	16,937	16,921	16,957	16,967

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

p = preliminary.

ESTABLISHMENT DATA

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1980.....	53.8	48.9	49.2	29.0	32.8	29.6	35.2	64.0	61.0	62.6	59.4	54.6
	1981.....	56.7	48.7	51.1	68.3	65.3	54.0	59.9	50.3	50.3	34.7	28.2	31.2
	1982.....	32.5	42.5	35.8	40.9	51.1	32.0	43.5	37.6	43.0	26.1	33.3p	41.1p
Over 3-month span	1980.....	50.0	47.0	35.2	28.8	23.1	28.2	34.1	51.6	69.1	67.2	64.2	58.9
	1981.....	53.5	52.2	60.2	70.2	70.4	65.9	59.4	57.0	40.1	30.6	26.3	23.4
	1982.....	28.0	31.2	33.6	37.1	35.8	35.8	27.7	31.7	27.7	26.1p	24.2p	
Over 6-month span	1980.....	39.8	34.1	29.3	23.1	26.6	28.8	35.8	44.1	59.1	71.2	64.0	61.0
	1981.....	64.8	65.9	67.2	67.7	67.2	67.5	51.3	39.0	33.9	30.1	27.7	24.2
	1982.....	21.8	27.4	27.4	29.8	28.8	30.1	24.2	20.7p	23.7p			
Over 12-month span	1980.....	30.9	32.3	32.8	33.9	31.7	32.3	31.7	33.9	33.9	39.5	50.8	62.6
	1981.....	73.9	71.0	70.4	62.1	50.0	43.3	35.2	33.6	31.5	27.2	27.7	25.8
	1982.....	23.1	23.1	21.2	18.8	17.5p	19.9p						

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

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

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
1 ALABAMA	1,353.4	1,315.9	1,319.9	17.1	15.8	16.2	66.4	63.7	63.5	357.8	327.8	327.4
2 Birmingham	343.6	333.2	335.6	8.9	8.1	8.2	18.8	18.4	18.2	57.9	48.7	49.5
3 Huntsville	124.4	126.2	125.9	(1)	(1)	(1)	3.9	3.9	3.8	37.4	39.0	38.0
4 Mobile	152.6	146.1	146.9	(1)	(1)	(1)	9.4	9.3	9.4	31.4	28.9	26.6
5 Montgomery	106.7	103.6	103.3	(1)	(1)	(1)	5.9	5.8	5.7	16.2	14.6	14.4
6 Tuscaloosa	51.2	50.4	50.5	2.7	2.7	2.8	2.3	2.1	2.1	8.0	7.6	7.5
7 ALASKA	179.0	191.7	188.6	7.6	7.9	7.8	13.4	17.5	14.8	8.9	8.9	7.0
8 ARIZONA	1,055.5	1,033.2	1,039.6	25.0	15.2	15.6	66.0	60.4	60.8	160.0	149.4	148.3
9 Phoenix	667.0	654.9	655.6	.4	.5	.5	45.6	40.5	40.9	116.3	107.9	107.1
10 Tucson	192.3	191.4	193.1	7.6	3.9	3.8	11.3	11.4	11.6	24.5	24.9	25.0
11 ARKANSAS	739.3	732.8	725.7	6.0	5.7	5.7	32.1	30.5	28.8	206.8	194.0	190.6
12 Fayetteville—Springdale	66.9	65.0	64.6	(1)	(1)	(1)	2.5	2.6	2.5	20.2	17.5	17.2
13 Fort Smith	67.7	65.0	64.3	1.1	1.2	1.2	2.5	2.2	2.1	21.0	19.8	19.3
14 Little Rock—North Little Rock	179.1	179.9	179.9	(1)	(1)	(1)	8.6	9.4	9.1	29.0	26.2	26.1
15 Pine Bluff	31.8	31.0	30.7	(1)	(1)	(1)	1.8	1.9	1.9	6.2	5.5	5.4
16 CALIFORNIA	10,147.2	9,955.6	9,944.8	49.4	47.2	47.2	434.4	361.0	348.9	2,907.7	1,914.9	1,894.2
17 Anaheim—Santa Ana—Garden Grove	874.7	857.5	855.9	2.8	2.6	2.6	48.9	41.4	40.1	224.2	213.3	212.7
18 Bakersfield	137.5	134.8	135.7	14.4	14.3	14.4	7.0	5.9	5.8	10.1	9.4	9.5
19 Fresno	183.6	183.1	181.8	1.0	1.0	1.0	9.8	8.6	8.6	23.3	24.3	27.7
20 Los Angeles—Long Beach	3,668.8	3,590.5	3,593.4	14.8	14.1	14.1	118.7	101.3	98.8	915.9	849.6	845.5
21 Modesto	89.8	90.7	87.3	.1	.1	.1	5.2	4.8	4.6	18.7	21.1	17.9
22 Oxnard—Simi Valley—Ventura	162.1	160.4	160.7	3.0	2.9	2.9	7.2	6.2	5.9	26.5	26.6	26.0
23 Riverside—San Bernardino—Ontario	448.0	435.0	437.3	2.1	1.5	1.4	23.7	21.9	21.2	65.7	58.2	57.6
24 Sacramento	410.7	405.4	406.2	.7	.7	.7	17.3	16.2	15.6	26.5	27.6	26.7
25 Salinas—Seaside—Monterey	91.1	91.2	90.2	.4	.4	.4	3.2	3.4	3.3	8.8	9.9	9.1
26 San Diego	668.1	651.2	652.2	.6	.6	.6	34.5	28.1	27.6	108.4	103.8	103.6
27 San Francisco—Oakland	1,602.8	1,582.8	1,585.6	4.4	4.4	4.4	75.9	74.6	73.6	201.1	189.1	189.3
28 San Jose	699.2	700.8	703.0	.1	.1	.1	23.3	23.1	22.6	247.8	252.7	250.7
29 Santa Barbara—Santa Maria—Lompoc	125.4	124.5	124.7	1.6	1.4	1.4	5.0	4.4	4.4	17.9	18.7	18.5
30 Santa Rosa	97.4	97.2	97.3	.5	.5	.5	5.5	4.9	4.7	15.0	16.2	16.1
31 Stockton	122.6	123.5	119.5	.1	.1	.1	5.8	5.6	5.4	20.8	22.2	19.7
32 Vallejo—Fairfield—Napa	103.0	103.2	102.4	.5	.5	.5	5.2	4.9	4.9	10.5	10.8	10.5
33 COLORADO	1,257.6	1,284.1	1,283.7	43.6	38.2	38.0	76.2	76.6	74.7	185.8	175.0	174.7
34 Denver—Boulder	834.5	824.4	824.4	27.1	27.1	27.0	44.7	45.1	43.8	129.4	122.0	121.5
35 CONNECTICUT	1,446.0	1,416.5	1,419.0	(2)	(2)	(2)	54.9	53.9	53.3	432.8	395.6	394.8
36 Bridgeport	172.6	167.3	167.9	(2)	(2)	(2)	4.5	4.9	4.7	65.1	60.8	60.8
37 Hartford	400.6	398.9	400.3	(2)	(2)	(2)	12.5	12.5	12.4	94.3	88.8	89.0
38 New Britain	63.7	59.9	60.0	(2)	(2)	(2)	2.5	2.7	2.6	28.7	24.8	24.6
39 New Haven—West Haven	191.4	190.9	191.1	(2)	(2)	(2)	6.7	6.7	6.5	41.3	39.5	39.8
40 Stamford	113.3	112.1	112.5	(2)	(2)	(2)	5.9	5.6	5.6	32.1	30.6	30.5
41 Waterbury	88.7	87.5	86.5	(2)	(2)	(2)	2.8	3.1	3.0	32.3	29.7	28.8
42 DELAWARE	257.4	258.7	255.4	(1)	(1)	(1)	14.2	14.7	14.6	67.7	69.3	65.1
43 Wilmington	227.2	224.8	222.6	(1)	(1)	(1)	14.4	15.0	15.0	61.7	61.8	58.1
44 DISTRICT OF COLUMBIA	606.1	602.0	604.5	(1)	(1)	(1)	11.7	12.0	11.9	14.1	14.3	14.3
45 Washington SMSA	1,599.8	1,594.2	1,605.7	(1)	(1)	(1)	74.1	70.8	70.7	57.9	61.5	61.6
46 FLORIDA	1,771.4	1,755.1	1,811.8	10.9	9.5	9.6	283.5	247.0	245.8	473.0	446.0	450.0
47 Daytona Beach	76.3	76.8	76.8	-	-	-	3.2	3.6	3.9	8.5	8.3	7.7
48 Fort Lauderdale—Hollywood	457.7	443.0	442.4	(1)	(1)	(1)	28.0	24.1	24.1	41.6	37.4	37.6
49 Fort Myers—Cape Coral	72.1	71.1	71.7	(1)	(1)	(1)	4.4	4.4	4.5	12.2	11.4	11.4
50 Gainesville	69.0	67.5	67.7	(1)	(1)	(1)	3.2	2.9	2.7	4.5	4.3	4.2
51 Jacksonville	303.2	302.8	303.9	(1)	(1)	(1)	18.2	17.9	17.8	34.4	32.3	32.2
52 Lakeland—Winter Haven	122.7	112.1	114.6	5.3	3.9	3.9	9.9	7.7	7.6	24.1	19.4	20.7
53 Melbourne—Titusville—Cocoa	107.1	104.5	105.6	(1)	(1)	(1)	6.3	5.5	5.6	24.3	23.6	23.8
54 Miami	739.6	719.8	721.4	(1)	(1)	(1)	38.6	33.5	33.4	98.1	95.6	95.9
55 Orlando	258.1	299.2	304.0	(1)	(1)	(1)	19.6	18.8	19.8	38.9	36.8	37.1
56 Pensacola	99.1	99.2	100.6	(1)	(1)	(1)	6.8	6.7	7.1	12.3	12.0	12.0
57 Sarasota	72.5	71.0	72.6	(1)	(1)	(1)	7.0	6.2	5.9	6.2	5.8	5.8
58 Tallahassee	76.7	75.2	75.9	(1)	(1)	(1)	3.1	3.6	3.7	2.9	2.9	2.9
59 Tampa—St. Petersburg	573.8	566.4	565.8	(1)	(1)	(1)	41.2	36.2	36.6	79.0	76.0	75.7
60 West Palm Beach—Boca Raton	225.7	215.5	222.6	(1)	(1)	(1)	20.3	16.6	16.6	29.0	27.5	27.9

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	
71.8	68.3	70.5	275.0	270.6	271.8	59.3	59.1	59.1	213.0	215.6	215.3	293.0	295.0	296.1	1
29.7	28.3	29.6	82.1	81.0	81.6	22.9	22.7	22.8	69.3	71.6	71.4	54.2	54.4	54.3	2
2.7	2.6	2.6	22.4	22.7	22.8	3.5	3.5	3.5	19.1	19.9	19.7	35.4	35.6	35.5	3
10.4	9.7	9.9	37.0	35.5	35.9	7.2	7.2	7.2	30.2	30.7	30.7	27.0	26.8	27.2	4
4.5	4.4	4.3	23.6	23.1	23.2	6.3	6.3	6.3	20.9	21.0	21.0	20.3	20.3	28.4	5
1.7	1.7	1.7	10.2	9.7	9.8	1.7	1.7	1.7	6.6	6.4	6.4	18.0	18.5	18.5	6
17.6	18.7	18.4	32.0	34.5	35.1	8.8	9.3	9.3	31.7	33.5	33.8	59.0	61.4	62.4	7
54.9	54.8	55.0	261.5	259.6	263.8	62.5	61.7	61.7	219.3	222.1	223.1	206.3	210.0	211.3	8
33.7	34.0	34.2	175.0	173.0	176.0	48.4	47.5	47.4	144.3	146.9	147.8	103.3	104.6	105.7	9
9.0	8.9	8.8	43.3	43.6	44.1	8.9	9.1	9.2	42.5	42.6	43.1	45.2	47.0	47.5	10
44.3	45.1	44.6	161.7	161.4	161.8	32.0	33.0	32.8	116.1	118.6	117.3	140.3	144.5	144.1	11
3.9	4.2	4.3	16.5	17.0	17.1	2.3	2.3	2.3	9.9	9.7	9.6	11.6	11.7	11.6	12
3.6	3.2	3.2	14.5	13.8	13.8	2.6	2.6	2.6	12.0	12.0	11.9	10.4	10.2	10.2	13
13.5	13.6	13.6	42.5	42.7	43.1	12.7	13.0	13.0	35.7	37.3	37.3	37.1	37.7	37.7	14
3.9	3.6	3.5	6.4	6.2	6.2	1.3	1.4	1.4	5.3	5.6	5.5	6.9	6.8	6.8	15
554.1	549.1	545.6	2,369.3	2,332.5	2,352.5	653.9	655.0	653.7	2,307.3	2,349.5	2,351.4	1,771.1	1,746.4	1,751.3	16
30.1	29.1	29.1	215.2	217.3	218.8	62.7	61.1	61.1	184.6	188.4	189.7	106.2	104.3	105.8	17
8.1	7.4	7.5	34.8	34.2	34.5	5.3	5.4	5.4	25.1	25.5	25.5	32.7	32.7	33.1	18
11.1	10.7	10.5	48.8	48.6	48.7	11.6	11.8	11.8	38.0	37.9	38.0	40.0	40.2	40.5	19
195.5	195.0	194.3	837.2	837.1	843.8	241.9	239.7	239.7	872.6	886.9	886.2	468.2	466.8	470.9	20
3.9	3.9	3.9	22.9	22.3	22.6	3.6	3.6	3.6	17.9	18.0	17.9	17.5	16.9	16.7	21
7.1	7.0	7.0	38.9	39.1	39.4	8.5	8.5	8.5	32.8	32.6	32.7	38.1	37.5	38.3	22
26.6	25.7	25.5	110.7	110.0	111.7	20.0	19.8	19.7	96.1	96.8	97.2	103.1	101.1	103.0	23
22.7	21.7	21.5	97.8	95.4	96.1	22.8	22.4	22.3	78.6	77.6	78.3	144.3	143.8	145.0	24
4.8	4.8	4.8	24.2	23.9	24.1	4.4	4.4	4.4	20.4	20.5	20.3	24.9	23.9	23.8	25
29.7	29.0	29.0	153.5	148.7	149.8	41.2	40.7	40.7	156.8	160.3	159.8	143.4	140.0	141.1	26
131.0	126.6	126.1	373.7	367.1	373.4	153.0	152.9	153.0	377.2	386.3	385.6	286.5	281.8	284.2	27
23.0	21.9	21.8	133.6	134.0	135.0	28.8	28.3	28.3	160.3	163.6	164.6	82.3	77.1	80.6	28
5.5	5.4	5.4	30.0	29.3	29.5	5.9	6.0	6.0	34.5	34.9	35.0	25.0	24.2	24.4	29
5.0	4.9	4.8	23.8	23.8	23.9	6.0	6.0	6.1	20.3	20.7	20.7	20.4	20.2	20.5	30
8.2	7.9	7.8	29.2	29.7	28.6	5.4	5.4	5.4	25.5	25.4	25.2	27.6	27.2	27.3	31
4.5	4.5	4.5	22.9	22.8	23.1	3.5	3.4	3.4	20.4	20.7	20.6	35.5	35.6	35.9	32
82.8	80.4	80.4	315.3	316.8	317.9	80.2	82.6	82.7	267.3	272.8	273.0	246.4	240.7	242.5	33
58.0	56.3	56.3	197.7	196.5	197.7	57.2	59.1	59.2	180.7	182.9	182.2	139.8	135.4	136.6	34
61.6	61.2	60.9	308.1	309.2	312.4	112.7	116.0	116.2	292.4	301.9	301.4	183.5	178.7	180.0	35
6.1	6.2	6.2	35.9	35.1	35.8	7.7	7.8	7.8	36.3	36.1	36.2	17.0	16.4	16.4	36
14.8	14.8	14.7	86.3	86.3	87.6	61.3	63.6	63.5	76.2	78.5	78.6	55.2	54.4	54.5	37
3.3	3.4	3.4	10.6	10.3	10.4	1.9	1.9	1.9	10.1	10.4	10.4	6.6	6.4	6.5	38
15.8	15.8	15.8	41.4	41.6	42.0	11.2	11.3	11.3	50.1	51.1	50.8	24.9	24.5	24.9	39
4.6	4.8	4.7	25.9	26.0	26.5	8.5	8.5	8.6	26.0	26.3	26.2	10.3	10.3	10.3	40
3.1	3.1	3.2	16.2	16.6	16.8	3.8	3.9	3.9	15.0	19.5	19.3	11.5	11.6	11.5	41
12.2	11.7	11.8	57.4	56.7	57.0	12.9	12.7	12.7	48.5	49.2	49.3	44.5	44.4	45.0	42
11.9	11.3	11.3	48.1	46.5	47.3	12.0	11.9	11.9	43.6	44.0	44.0	35.5	34.3	35.1	43
26.5	26.6	26.7	64.3	63.9	64.2	34.1	33.6	33.8	189.2	188.6	189.4	266.2	263.0	264.2	44
72.3	73.8	74.2	316.8	316.2	322.5	91.5	91.6	92.0	450.9	454.5	456.6	536.3	525.8	528.1	45
231.4	231.4	233.4	999.5	1,018.1	1,039.9	275.7	279.0	283.0	888.2	919.6	942.7	617.1	605.7	607.2	46
3.2	3.3	3.3	22.0	22.0	21.7	4.7	4.8	4.9	20.5	20.8	20.6	14.8	14.0	13.9	47
17.8	17.4	17.4	103.1	97.7	99.2	31.6	30.5	30.7	87.2	85.0	86.3	48.4	47.9	48.1	48
4.4	4.4	4.5	20.2	20.0	20.4	6.6	6.7	6.6	16.5	16.3	16.4	12.2	12.0	12.1	49
1.6	1.7	1.7	14.9	14.0	14.0	3.1	3.2	3.2	14.4	14.2	14.1	28.1	27.2	27.8	50
24.9	25.2	25.2	79.1	78.8	80.1	28.1	28.0	28.1	64.7	66.0	66.0	53.8	54.6	54.5	51
5.4	5.0	4.9	30.2	28.5	29.4	6.7	6.9	7.1	24.1	23.6	23.9	17.0	16.0	17.1	52
4.6	4.6	4.6	23.0	22.1	22.8	4.3	4.2	4.1	26.4	26.0	26.1	18.2	18.5	18.6	53
72.7	70.9	71.0	196.6	190.6	191.8	57.7	55.1	55.2	181.3	178.4	178.7	94.6	95.7	95.4	54
15.1	15.5	15.8	79.6	78.7	80.8	20.4	20.5	20.4	80.7	83.5	84.4	43.8	45.4	45.7	55
4.7	4.7	5.0	24.5	24.4	25.0	4.4	4.6	4.6	20.6	21.2	21.0	25.8	25.6	25.0	56
3.4	3.3	3.3	22.0	21.6	22.6	6.0	5.8	5.8	18.0	18.4	18.8	9.9	10.5	10.4	57
3.1	3.1	3.1	15.7	15.4	15.3	3.6	3.4	3.4	13.8	14.7	14.8	34.5	32.1	32.7	58
32.5	33.1	33.1	158.3	155.5	156.8	41.5	42.1	42.4	137.3	137.5	138.3	84.0	86.0	86.9	59
9.6	10.4	10.6	60.2	55.7	57.4	18.7	17.7	18.7	56.4	54.1	57.3	31.5	33.9	34.1	60

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ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas		Total			Mining			Construction			Manufacturing		
		NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
1	GEORGIA	2,190.7	2,157.4	2,156.5	7.8	7.8	7.8	101.1	96.6	95.5	516.6	491.6	467.4
2	Albany	45.0	44.0	44.3	(1)	(1)	(1)	2.2	2.3	2.3	12.0	11.5	11.9
3	Atlanta	997.9	998.6	995.6	(1)	(1)	(1)	44.6	44.2	44.7	148.0	140.6	137.7
4	Augusta	123.7	122.8	126.7	(1)	(1)	(1)	5.0	5.2	5.2	36.2	33.6	37.2
5	Columbus	81.0	78.0	76.6	(1)	(1)	(1)	5.0	4.8	5.0	21.1	18.8	19.6
6	Macon	98.4	98.1	98.1	(1)	(1)	(1)	3.9	3.3	3.1	17.1	17.1	16.3
7	Savannah	89.7	88.0	87.7	(1)	(1)	(1)	4.9	4.6	4.3	16.7	16.2	16.0
8	HAWAII	403.3	397.5	401.0	-	-	-	21.5	17.8	17.8	22.2	21.2	21.7
9	Honolulu	332.1	325.7	328.8	-	-	-	17.8	14.1	14.1	16.0	15.4	15.6
10	IDAHO	325.4	317.1	313.4	5.1	3.6	3.5	16.4	14.4	13.6	51.0	49.3	47.8
11	Boise City	78.0	75.7	75.1	(1)	(1)	(1)	5.8	4.7	4.4	8.9	9.0	8.8
12	ILLINOIS	4,775.7	4,577.7	4,568.0	29.2	27.7	27.5	183.5	169.2	164.0	1,116.0	970.2	961.4
13	Bloomington—Normal	52.4	50.2	49.9	(2)	(2)	(2)	1.7	1.7	1.5	7.2	5.7	5.8
14	Champaign—Urbana—Rantoul	78.0	76.7	76.0	(2)	(2)	(2)	1.7	1.3	1.3	7.8	7.4	7.4
15	Chicago—Gary	3,478.2	3,374.7	(*)	4.4	4.1	(*)	121.1	118.6	(*)	847.0	762.6	(*)
16	Chicago SMSA	3,233.3	3,138.2	3,130.9	4.3	4.0	4.1	106.7	104.7	101.5	760.4	687.4	682.0
17	Davenport—Rock Island—Moline	160.9	148.5	148.5	(2)	(2)	(2)	7.7	7.7	7.5	47.4	36.7	36.8
18	Decatur	56.0	49.9	49.9	(2)	(2)	(2)	2.5	2.3	2.3	20.0	14.7	14.5
19	Kankakee	33.0	31.4	30.9	(2)	(2)	(2)	1.8	1.4	1.4	8.1	7.4	6.9
20	Peoria	146.3	123.0	122.3	(2)	(2)	(2)	7.0	7.2	6.7	45.9	24.5	24.1
21	Rockford	113.2	103.4	102.6	(2)	(2)	(2)	3.8	3.7	3.5	45.0	37.5	37.1
22	Springfield	87.9	87.1	86.0	(2)	(2)	(2)	4.3	4.1	4.0	6.3	5.6	4.8
23	INDIANA	2,106.6	2,010.5	1,993.6	9.3	8.7	8.3	88.4	84.2	82.7	640.3	568.8	555.0
24	Anderson	45.2	42.1	40.8	(1)	(1)	(1)	1.1	1.1	1.1	19.3	16.8	15.6
25	Elkhart	66.8	65.0	64.7	(1)	(1)	(1)	2.1	1.9	1.8	33.5	32.5	32.2
26	Evansville	125.8	122.5	121.8	2.6	2.4	2.3	7.3	6.7	6.4	34.7	31.9	31.6
27	Fort Wayne	170.0	161.4	160.4	(1)	(1)	(1)	7.8	7.1	6.6	51.5	45.9	45.7
28	Gary—Hammond—East Chicago	244.9	229.8	227.0	(1)	(1)	(1)	14.4	13.8	13.0	86.6	73.2	71.6
29	Indianapolis	532.6	513.9	511.6	(1)	(1)	(1)	23.2	21.8	21.2	121.0	109.5	107.5
30	Lafayette—West Lafayette	59.0	57.8	57.5	(1)	(1)	(1)	3.0	2.2	2.1	11.2	10.2	10.0
31	Muncie	48.6	46.2	45.0	(1)	(1)	(1)	1.3	1.1	1.0	11.5	9.5	9.0
32	South Bend	106.4	102.6	102.1	(1)	(1)	(1)	4.1	3.6	3.6	30.4	28.6	28.2
33	Terre Haute	61.0	56.3	56.1	1.5	1.3	1.3	3.1	2.4	2.5	14.4	12.7	12.6
34	IOWA	1,053.5	1,050.2	1,044.4	2.0	2.0	1.9	45.6	43.2	40.3	233.4	202.5	200.0
35	Cedar Rapids	80.8	75.4	75.2	(1)	(1)	(1)	3.2	3.1	2.9	25.6	21.5	21.7
36	Des Moines	175.1	169.8	169.6	(1)	(1)	(1)	6.1	5.4	4.9	22.5	19.5	19.7
37	Dubuque	41.6	37.0	37.2	(1)	(1)	(1)	1.3	1.1	1.1	14.1	9.7	9.8
38	Sioux City	50.1	48.9	48.9	(1)	(1)	(1)	2.1	1.6	1.7	9.5	9.2	8.9
39	Waterloo—Cedar Falls	64.8	60.3	56.8	(1)	(1)	(1)	2.3	2.3	2.1	22.3	18.5	17.5
40	KANSAS	954.9	918.9	917.9	19.8	17.3	17.6	41.9	37.6	37.0	185.7	158.8	157.5
41	Lawrence	28.8	28.3	28.0	(2)	(2)	(2)	.9	.8	.8	4.5	4.2	4.3
42	Topeka	86.0	82.7	82.9	.2	.2	.1	3.2	2.8	2.8	9.9	8.5	8.5
43	Wichita	209.4	194.2	194.0	3.8	3.6	3.6	10.2	9.2	9.0	63.3	51.5	51.3
44	KENTUCKY	1,201.6	1,149.2	1,145.5	54.6	45.5	50.2	52.8	46.6	46.1	263.3	240.5	238.5
45	Lexington—Fayette	145.3	143.6	143.3	(1)	(1)	(1)	5.8	5.0	4.8	29.2	26.8	26.6
46	Louisville	377.7	363.8	365.1	(1)	(1)	(1)	18.4	16.8	16.6	89.1	78.6	78.2
47	Owensboro	31.5	27.7	27.5	1.1	.8	.9	1.7	1.3	1.3	6.6	5.7	5.5
48	LOUISIANA	1,650.5	1,613.7	1,613.6	95.6	97.2	96.5	141.3	130.3	129.3	220.2	196.5	193.0
49	Alexandria	54.3	54.8	54.9	(1)	(1)	(1)	3.9	3.9	3.9	5.6	5.6	5.6
50	Baton Rouge	209.7	206.6	208.3	1.7	1.3	1.3	24.5	18.9	19.3	26.6	24.7	24.9
51	Lafayette	93.7	98.3	98.6	18.9	19.4	19.7	5.8	6.0	6.0	5.0	5.4	5.4
52	Lake Charles	71.9	63.9	63.2	2.5	2.2	2.1	10.5	5.4	5.0	13.2	10.8	10.9
53	Monroe	50.7	49.1	49.0	.8	.6	.5	3.4	3.6	3.4	7.6	6.4	6.4
54	New Orleans	521.2	508.5	506.1	20.9	21.4	21.4	30.2	29.9	30.0	52.3	47.1	47.3
55	Shreveport	152.8	146.7	145.6	8.1	6.2	6.2	7.8	7.9	7.6	29.0	25.2	25.1
56	MAINE	413.9	413.3	405.4	(1)	(1)	(1)	17.4	18.6	18.0	110.5	107.2	106.4
57	Lewiston—Auburn	34.5	33.8	33.8	(1)	(1)	(1)	1.3	1.4	1.3	11.5	10.6	10.7
58	Portland	95.1	97.2	97.4	(1)	(1)	(1)	3.8	4.1	4.0	17.7	17.1	16.9
59	MARYLAND	1,709.0	1,680.3	1,688.5	(1)	(1)	(1)	93.3	84.1	85.8	227.3	208.6	208.2
60	Baltimore SMSA	955.8	938.6	942.2	(1)	(1)	(1)	43.0	37.1	38.8	153.2	136.5	136.6
61	Baltimore City	445.3	433.9	432.8	(1)	(1)	(1)	17.3	13.4	13.7	62.3	57.1	57.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	
144.1	140.5	141.0	507.6	496.4	499.2	114.1	115.9	116.2	361.7	368.8	368.2	437.6	439.8	441.1	1
2.3	2.2	2.1	9.5	9.2	9.4	2.0	2.1	2.1	6.3	5.4	5.9	19.7	19.3	19.5	2
89.8	89.3	89.4	272.6	275.5	278.2	67.4	68.1	68.3	212.4	219.2	218.8	163.1	161.6	162.5	3
4.4	4.5	4.5	23.2	23.8	24.0	4.4	4.7	4.6	18.2	18.5	18.6	32.3	32.7	32.7	4
3.3	3.1	3.1	16.3	15.3	15.8	5.4	5.4	5.5	11.3	11.1	11.1	18.7	19.5	19.5	5
4.5	4.4	4.4	20.3	20.6	20.8	6.3	6.1	6.1	17.2	17.2	17.1	29.2	29.5	29.7	6
8.6	7.6	8.3	22.5	22.0	22.0	4.1	4.2	4.2	16.4	16.7	16.4	16.5	16.7	16.7	7
30.9	30.1	30.3	105.3	104.6	105.5	32.1	31.8	31.7	101.1	101.7	101.9	90.2	90.3	92.1	8
25.9	25.0	25.2	87.3	86.8	87.6	27.6	27.4	27.3	80.7	80.6	80.8	76.8	76.4	79.2	9
19.7	19.0	18.9	81.4	79.9	79.6	22.8	22.6	22.7	58.9	58.6	58.1	70.1	69.7	69.2	10
5.2	4.9	4.8	19.7	19.9	19.9	7.9	7.5	7.7	14.3	14.6	14.5	16.2	15.1	15.0	11
282.9	271.2	269.2	1,113.7	1,075.7	1,083.1	315.1	314.7	314.5	960.5	972.8	969.4	774.8	776.2	778.9	12
3.2	3.0	3.0	12.4	12.1	12.0	7.8	7.9	7.8	8.3	8.3	8.2	11.8	11.5	11.6	13
2.6	2.6	2.5	19.1	19.5	19.1	2.5	2.4	2.4	11.5	11.5	11.4	32.8	32.0	31.9	14
211.1	203.8	(*)	826.1	803.1	(*)	252.1	249.4	(*)	734.6	748.1	(*)	481.8	485.0	(*)	15
196.6	190.4	190.4	775.2	750.1	754.2	243.0	240.6	240.1	696.8	709.9	706.5	457.3	451.1	452.1	16
6.9	6.7	6.6	40.7	39.4	39.6	7.2	7.1	7.0	24.9	24.8	24.7	26.1	26.1	26.2	17
5.3	4.8	4.8	11.9	11.6	11.8	2.7	2.6	2.6	8.7	8.6	8.6	4.9	5.2	5.2	18
1.4	1.4	1.4	7.1	6.7	6.8	1.1	1.1	1.1	6.5	6.2	6.1	7.0	7.2	7.2	19
7.8	7.8	7.7	35.0	33.5	33.9	7.1	7.0	7.0	26.0	25.6	25.3	17.5	17.4	17.6	20
4.4	4.3	4.2	24.9	23.4	23.6	4.2	4.0	4.1	18.5	18.5	18.2	12.4	12.0	11.9	21
4.8	4.6	4.5	19.0	18.9	18.7	6.6	6.5	6.5	18.5	18.1	18.1	28.4	29.3	29.4	22
102.6	97.9	97.5	473.2	462.2	463.2	100.7	99.4	98.8	344.1	346.8	345.5	347.9	342.5	342.2	23
1.3	1.1	1.1	9.3	9.0	9.0	1.6	1.6	1.6	7.2	7.3	7.2	5.4	5.2	5.2	24
2.1	2.0	2.0	13.1	12.7	12.8	2.1	2.1	2.1	8.9	8.9	8.9	5.0	4.9	4.9	25
7.1	6.9	6.9	31.4	31.6	31.7	4.7	4.6	4.6	25.5	25.7	25.6	12.5	12.7	12.7	26
10.9	10.3	10.2	42.4	40.5	40.9	10.5	10.4	10.3	29.1	28.8	28.8	17.8	18.0	17.9	27
14.5	13.4	13.2	50.9	50.5	50.6	9.1	9.0	9.0	37.9	38.1	37.8	21.5	21.8	21.8	28
31.1	30.1	30.0	134.5	130.9	131.9	38.5	38.0	37.8	97.8	99.3	99.0	86.5	84.3	84.2	29
1.4	1.4	1.4	11.4	11.7	11.7	2.5	2.5	2.5	9.4	9.6	9.5	20.1	20.2	20.3	30
2.1	2.0	2.0	12.4	12.0	11.9	1.5	1.4	1.4	8.5	8.5	8.4	11.3	11.2	11.2	31
4.6	4.3	4.2	25.7	24.5	24.8	5.2	5.2	5.1	23.6	23.7	23.6	12.8	12.7	12.6	32
3.4	3.0	3.0	14.8	13.3	13.2	2.0	1.8	1.8	5.5	9.4	9.3	12.3	12.4	12.4	33
53.2	50.6	50.4	274.9	266.8	267.2	59.0	59.3	59.0	211.2	212.8	211.2	214.0	213.1	214.4	34
3.7	3.6	3.6	18.8	17.7	18.0	4.3	4.1	4.1	16.0	16.0	15.9	9.2	8.9	8.9	35
11.0	11.1	11.1	46.4	44.4	44.9	21.9	22.7	22.6	40.2	39.5	39.4	27.0	26.9	27.1	36
1.6	1.6	1.6	9.2	8.9	8.9	1.3	1.3	1.3	10.4	10.9	10.9	3.7	3.6	3.7	37
3.8	3.7	3.7	12.9	12.8	13.0	2.8	2.6	2.7	12.7	12.7	12.6	6.2	6.2	6.2	38
2.3	2.3	2.3	13.7	13.2	13.4	2.1	2.0	2.0	11.0	10.8	10.7	11.1	10.9	10.8	39
62.9	62.9	62.5	232.5	225.3	226.4	47.7	48.0	47.8	174.7	179.6	179.4	189.7	189.4	189.7	40
1.4	1.4	1.4	5.6	5.6	5.6	.8	.8	.8	4.2	4.4	4.3	11.4	11.0	10.8	41
8.5	8.2	8.2	18.7	18.0	18.0	5.9	5.8	5.9	17.9	17.8	17.8	21.7	21.4	21.6	42
10.2	10.5	10.5	49.0	45.1	45.5	9.6	10.0	10.0	40.2	40.3	40.1	23.1	24.0	24.0	43
67.4	64.6	65.4	262.6	250.7	252.1	51.4	51.6	51.1	217.1	215.6	214.8	232.4	230.1	231.0	44
7.4	7.5	7.5	32.5	31.9	32.8	7.2	6.7	6.6	25.9	32.5	31.6	33.3	33.4	33.4	45
23.2	21.9	21.7	89.1	88.3	89.7	24.0	24.3	24.2	77.3	78.9	79.1	56.5	54.9	55.6	46
2.3	2.3	2.3	7.5	6.3	6.3	1.3	1.3	1.3	6.2	5.4	5.3	4.8	4.6	4.6	47
132.8	129.8	129.0	377.6	369.0	370.0	75.0	76.2	75.8	293.8	297.7	297.3	310.2	316.6	317.7	48
2.4	2.4	2.4	12.0	12.1	12.2	2.9	3.0	3.0	11.5	11.7	11.7	16.3	16.1	16.1	49
11.3	11.1	11.3	47.8	48.3	49.0	12.4	12.6	12.3	36.5	37.6	38.2	49.4	51.9	52.0	50
7.2	7.9	7.9	24.6	25.5	25.6	3.4	3.3	3.3	17.8	19.3	19.3	11.0	11.5	11.4	51
4.5	4.9	4.7	15.6	15.5	15.6	3.0	3.0	3.0	11.2	11.0	10.9	11.4	11.1	11.1	52
2.6	2.5	2.5	13.2	12.5	12.8	3.9	3.9	3.9	8.8	9.1	9.0	10.4	10.5	10.5	53
55.9	53.3	53.5	132.0	129.5	128.1	31.2	30.8	30.6	116.5	115.4	115.0	82.2	82.1	82.2	54
9.0	9.1	9.1	35.8	33.7	34.1	7.0	7.2	7.1	30.2	31.2	30.2	25.9	26.2	26.2	55
18.1	18.2	17.9	87.6	88.1	86.9	17.1	18.0	18.0	78.1	79.2	77.8	85.1	83.9	84.4	56
1.2	1.2	1.2	8.0	8.2	8.2	1.7	1.7	1.7	7.7	7.7	7.7	3.1	3.0	3.0	57
5.6	5.9	5.9	26.0	26.6	26.9	7.6	8.4	8.4	21.1	22.0	22.2	15.3	13.1	13.1	58
86.5	83.6	83.5	413.5	413.8	419.8	93.2	94.2	94.2	378.8	383.2	383.0	416.4	412.8	414.0	59
57.3	54.3	53.5	227.2	231.5	235.0	57.7	57.7	57.5	201.3	203.8	203.9	216.1	216.9	216.6	60
39.6	36.7	36.8	97.4	96.9	97.5	38.6	38.5	38.5	107.4	108.6	108.1	82.7	82.7	81.2	61

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	Total			Mining			Construction			Manufacturing		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
1 MASSACHUSETTS	2,676.6	2,621.8	2,626.5	(1)	(1)	(1)	83.6	84.1	83.3	669.4	617.0	613.0
2 Boston	1,492.6	1,490.5	1,500.3	(1)	(1)	(1)	46.3	46.2	45.4	295.3	283.0	281.2
3 Brockton	57.7	56.6	56.9	(1)	(1)	(1)	1.5	1.5	1.4	12.3	11.4	11.4
4 Fall River	53.3	53.0	53.0	(1)	(1)	(1)	1.4	1.3	1.2	19.9	19.3	19.2
5 Lawrence—Haverhill	114.5	111.3	110.5	(1)	(1)	(1)	2.9	3.1	3.0	45.7	41.7	41.1
6 Lowell	80.1	80.3	80.3	(1)	(1)	(1)	2.9	3.0	2.9	29.4	29.5	29.8
7 New Bedford	65.2	62.1	62.2	(1)	(1)	(1)	1.7	1.5	1.4	26.3	24.1	24.1
8 Springfield—Chicopee—Holyoke	239.2	231.0	230.7	(1)	(1)	(1)	6.5	6.0	5.9	63.6	58.6	57.9
9 Worcester	167.5	164.1	163.8	(1)	(1)	(1)	5.2	5.7	5.6	47.8	41.5	41.0
10 MICHIGAN	3,381.1	3,215.3	3,208.1	11.6	8.6	8.2	103.8	95.9	92.9	959.1	838.5	829.0
11 Ann Arbor	134.2	129.2	128.1	(1)	(1)	(1)	2.3	1.8	1.7	33.5	29.3	28.0
12 Battle Creek	62.7	60.3	60.5	(1)	(1)	(1)	1.5	1.9	2.0	19.7	17.0	17.1
13 Bay City	34.6	34.2	33.8	(1)	(1)	(1)	1.1	1.0	.9	9.0	8.5	8.3
14 Benton Harbor	60.1	56.5	56.7	(1)	(1)	(1)	1.8	1.4	1.4	21.3	18.4	18.6
15 Detroit	1,621.6	1,544.3	1,541.3	1.0	1.0	.9	46.9	43.9	42.8	454.9	396.7	393.8
16 Flint	185.1	173.9	174.2	(1)	(1)	(1)	5.8	4.7	5.3	68.2	59.1	58.6
17 Grand Rapids	271.2	266.5	265.2	(1)	(1)	(1)	11.1	10.9	10.4	90.0	86.3	85.5
18 Jackson	50.3	46.9	46.7	(1)	(1)	(1)	1.2	.9	.9	14.0	11.8	11.7
19 Kalamazoo—Portage	111.4	107.3	106.9	(1)	(1)	(1)	4.3	4.0	3.8	32.3	29.8	29.4
20 Lansing—East Lansing	198.1	190.6	189.4	(1)	(1)	(1)	4.7	3.7	3.2	42.4	38.3	38.3
21 Muskegon—Norton Shores—Musk. Hts.	59.6	57.0	56.7	(1)	(1)	(1)	2.0	1.9	1.8	20.1	18.4	18.1
22 Saginaw	82.9	80.6	79.5	(1)	(1)	(1)	2.1	2.3	2.2	28.7	24.7	23.4
23 MINNESOTA	1,769.5	1,710.1	1,700.0	14.2	6.6	6.3	72.1	68.7	64.5	357.3	342.0	335.3
24 Duluth—Superior	58.5	55.2	55.0	(1)	(1)	(1)	1.8	1.7	1.6	7.3	5.5	5.4
25 Minneapolis—St. Paul	1,097.6	1,061.4	1,058.6	(1)	(1)	(1)	40.3	37.5	36.1	240.5	228.6	225.1
26 Rochester	51.8	51.0	51.0	(2)	(2)	(2)	1.8	2.2	2.1	10.5	10.1	10.1
27 St. Cloud	54.5	53.8	53.5	(1)	(1)	(1)	3.0	3.4	3.1	10.6	10.9	10.8
28 MISSISSIPPI	821.9	796.2	794.6	12.9	12.4	12.3	41.6	39.7	38.9	218.7	201.5	201.3
29 Jackson	148.5	145.6	145.6	2.1	1.9	1.9	5.8	5.5	5.6	18.5	16.6	16.3
30 MISSOURI	1,986.5	1,962.4	1,957.9	7.4	7.3	7.2	89.6	95.7	92.5	430.8	403.4	402.2
31 Kansas City	621.9	593.6	590.4	.5	.4	.4	22.4	21.2	21.2	117.3	107.4	105.2
32 St. Joseph	35.5	34.6	34.7	(2)	(2)	(2)	1.8	1.8	1.7	8.1	7.8	7.9
33 St. Louis	994.8	977.2	972.4	3.6	3.2	3.3	42.9	48.5	46.1	230.5	215.7	212.5
34 Springfield	88.5	86.3	86.8	(2)	(2)	(2)	3.3	3.4	3.4	18.3	16.4	16.4
35 MONTANA	291.4	282.7	281.7	11.9	9.8	9.8	14.7	13.6	12.7	24.3	21.7	20.8
36 Billings	49.6	49.5	49.3	(1)	(1)	(1)	2.7	2.4	2.3	4.4	4.4	4.1
37 Great Falls	30.0	29.2	28.9	(1)	(1)	(1)	1.4	1.6	1.4	1.5	1.3	1.3
38 NEBRASKA	630.9	611.3	610.3	1.7	1.5	1.5	25.9	25.0	24.1	94.2	83.3	81.7
39 Lincoln	100.5	97.5	97.5	(2)	(2)	(2)	3.2	3.0	2.8	13.0	12.0	11.7
40 Omaha	266.1	258.0	258.1	(2)	(2)	(2)	9.9	9.5	9.4	35.1	32.2	32.3
41 NEVADA	420.9	416.9	412.7	8.0	7.1	6.9	24.6	23.5	22.5	20.8	19.5	19.2
42 Las Vegas	234.3	231.1	228.9	.6	.5	.5	14.4	14.0	13.5	7.7	7.1	7.0
43 Reno	117.0	117.7	117.1	.7	.8	.8	6.0	5.7	5.4	8.6	7.5	7.8
44 NEW HAMPSHIRE	397.2	392.5	390.2	(2)	(2)	(2)	22.8	23.1	23.6	116.6	111.1	110.3
45 Manchester	76.1	76.8	76.9	(2)	(2)	(2)	3.2	3.1	3.1	17.3	17.5	17.4
46 Nashua	68.3	68.7	68.7	(2)	(2)	(2)	2.8	2.9	2.9	31.2	30.2	30.1
47 NEW JERSEY	3,107.7	3,065.3	3,062.9	2.4	2.4	2.4	118.1	117.1	116.5	769.0	718.4	711.3
48 Atlantic City	99.3	102.4	102.6	-	-	-	5.6	6.4	6.6	7.8	6.9	6.8
49 Camden ⁵	346.8	344.2	345.4	.1	.1	.1	14.1	14.1	14.2	70.9	65.8	65.0
50 Hackensack ⁶	402.7	391.7	392.3	(1)	(1)	(1)	15.7	15.1	14.7	109.7	103.9	103.0
51 Jersey City ⁵	226.7	219.1	217.7	-	-	-	5.5	5.8	5.8	68.2	61.6	60.4
52 Long Branch—Asbury Park	168.6	168.9	169.0	(1)	(1)	(1)	7.3	6.8	6.8	25.4	23.7	23.7
53 New Bruns.—Perth Amboy—Sayreville ⁶	294.0	287.0	288.4	(1)	(1)	(1)	11.7	11.3	11.4	88.1	82.0	80.9
54 Newark ⁶	951.7	941.2	942.0	.9	.8	.8	32.3	33.0	32.6	244.2	229.5	227.9
55 Paterson—Clifton—Passaic ⁶	192.5	185.4	187.0	(1)	(1)	(1)	6.7	6.2	6.2	67.2	64.1	64.2
56 Trenton	162.6	158.0	157.9	(1)	(1)	(1)	3.7	3.7	3.7	33.2	28.3	27.8
57 Vineland—Millville—Bridgeton	54.2	51.2	50.8	(1)	(1)	(1)	2.2	1.7	1.7	17.6	15.4	15.1
58 NEW MEXICO	476.6	477.2	475.8	31.3	26.0	25.4	33.7	31.8	30.8	33.8	33.2	32.9
59 Albuquerque	189.4	191.8	191.2	(1)	(1)	(1)	11.9	12.2	11.7	17.5	17.0	16.9
60 Las Cruces	30.6	31.9	31.9	-	-	-	1.7	1.7	1.8	2.7	3.1	3.7

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
120.1	118.3	117.7	586.2	577.1	581.4	164.5	167.0	166.4	676.1	690.0	689.6	376.7	367.4	375.1	1
71.0	69.7	69.7	326.8	325.2	331.2	113.7	116.2	116.7	449.1	465.0	468.3	190.4	185.2	187.8	2
3.4	3.5	3.5	15.5	15.3	15.4	2.2	2.2	2.3	10.8	11.2	11.2	12.0	11.5	11.7	3
1.8	1.9	1.9	11.4	11.9	12.0	2.8	3.0	3.1	9.1	9.5	9.5	6.9	6.1	6.1	4
4.9	4.9	4.8	22.4	22.8	22.8	4.3	4.3	4.3	18.8	19.3	19.2	15.5	15.2	15.3	5
3.4	3.4	3.4	17.0	16.6	16.6	2.2	2.2	2.1	13.3	13.6	13.6	11.9	11.6	11.9	6
2.4	2.2	2.2	13.0	12.7	12.8	2.0	2.0	2.0	10.3	10.7	10.6	9.5	8.9	9.1	7
9.3	8.9	8.9	49.2	48.4	48.8	13.4	13.5	13.4	49.0	49.6	49.4	48.2	46.0	46.4	8
7.7	7.8	7.9	36.9	37.2	37.3	9.9	10.4	10.4	36.6	38.0	38.2	23.4	23.5	23.4	9
142.4	135.0	133.7	717.6	689.8	652.8	152.0	150.6	149.9	664.3	665.1	662.6	630.3	631.7	639.0	10
3.4	3.3	3.3	20.0	19.5	19.7	3.9	3.7	3.7	24.2	24.8	24.8	46.8	46.7	46.9	11
2.3	2.2	2.2	11.1	10.7	10.8	4.3	4.2	4.2	11.8	12.0	12.0	12.1	12.2	12.2	12
1.7	1.7	1.7	8.7	9.2	9.2	1.4	1.3	1.3	7.3	7.3	7.3	5.3	5.1	5.1	13
2.2	2.1	2.0	11.5	11.5	11.5	2.0	1.9	1.9	12.6	12.4	12.4	8.6	8.9	8.9	14
75.5	71.2	71.0	360.9	348.8	350.3	87.4	86.8	86.2	353.5	350.0	348.3	241.5	245.9	247.9	15
5.9	6.2	6.2	39.9	38.2	38.2	6.4	6.3	6.3	28.7	29.7	29.7	30.1	29.6	30.0	16
11.2	11.0	11.0	64.7	64.6	64.8	10.9	10.8	10.8	52.2	52.5	52.0	31.2	30.4	30.6	17
5.0	5.1	5.1	10.5	9.5	9.6	1.6	1.6	1.6	9.7	9.8	9.8	8.4	8.2	8.1	18
4.3	4.1	4.1	22.4	22.4	22.5	4.1	4.0	3.9	22.8	22.0	22.1	21.3	21.1	21.1	19
5.6	5.6	5.6	36.1	36.3	36.2	9.3	9.3	9.2	30.8	32.6	31.8	69.1	64.9	65.1	20
3.1	3.1	3.1	12.0	11.7	11.8	1.4	1.4	1.4	10.4	10.3	10.3	10.6	10.2	10.2	21
4.8	4.7	4.7	18.3	18.5	18.8	4.0	3.9	3.9	14.2	15.3	15.1	10.7	11.3	11.5	22
98.3	93.9	93.2	443.1	427.4	428.9	98.0	97.5	97.3	385.9	390.6	388.3	300.7	283.4	286.3	23
6.2	5.0	5.0	15.1	14.8	14.9	2.3	2.1	2.1	13.7	13.9	13.9	12.1	12.3	12.1	24
62.8	59.9	59.5	273.7	261.1	262.9	72.6	72.6	72.5	248.2	252.4	251.4	159.5	149.4	151.1	25
2.0	1.9	1.9	10.6	10.1	10.3	1.5	1.5	1.5	20.2	20.6	20.5	5.3	4.6	4.6	26
3.2	3.0	3.0	13.6	13.3	13.3	1.9	1.9	1.9	10.5	10.2	10.2	11.6	11.1	11.1	27
41.4	41.0	40.6	164.7	162.5	163.3	33.2	32.9	32.8	122.2	122.0	121.8	187.2	183.7	183.5	28
10.1	10.1	10.1	35.4	34.7	34.9	11.2	11.0	10.9	30.8	30.9	30.9	34.7	34.0	35.0	29
138.0	135.8	135.1	470.4	465.2	466.8	108.5	108.3	108.0	407.2	418.6	416.9	324.6	328.1	329.2	30
51.6	49.0	48.3	161.5	151.4	152.6	44.5	43.9	43.8	132.6	129.7	128.2	91.5	90.6	90.7	31
2.1	2.2	2.2	8.7	8.6	8.7	1.9	1.9	1.9	6.7	6.2	6.3	6.3	6.1	6.0	32
71.7	69.0	68.8	229.4	227.1	228.6	57.2	56.6	56.7	223.4	226.7	224.9	136.1	130.4	131.5	33
7.2	7.2	7.2	24.0	23.6	24.1	3.5	3.5	3.5	20.0	20.2	20.3	12.2	12.0	11.9	34
22.4	21.9	21.9	76.4	77.3	77.0	12.7	12.0	12.0	57.3	56.1	57.4	71.7	70.0	70.2	35
4.7	4.5	4.3	16.3	16.3	16.5	2.4	2.5	2.5	11.6	11.4	11.5	7.4	8.1	8.1	36
2.0	2.1	2.1	10.0	9.8	9.7	2.1	2.0	2.0	7.4	7.2	7.3	5.7	5.2	5.2	37
46.2	42.9	42.8	164.4	161.5	161.4	41.1	41.1	41.2	123.6	123.8	123.7	133.8	132.1	133.4	38
7.2	6.9	6.8	23.1	22.4	22.7	7.0	6.9	6.9	17.5	17.5	17.6	29.5	28.8	29.0	39
24.3	22.8	22.8	67.4	65.9	65.7	23.8	23.9	23.9	61.7	61.2	60.9	43.9	42.6	43.2	40
25.3	25.2	25.1	86.9	86.1	86.7	18.5	17.8	17.7	178.7	179.4	176.4	58.1	58.3	58.2	41
14.0	13.9	13.8	49.8	48.6	49.0	10.6	10.3	10.2	110.1	109.0	107.2	27.1	27.7	27.7	42
8.2	7.9	8.0	26.5	26.6	26.9	6.1	5.8	5.8	44.5	46.5	45.9	16.4	16.5	16.5	43
14.7	14.8	14.7	91.0	89.0	89.3	20.7	20.8	20.8	74.8	77.4	75.0	56.6	56.3	56.5	44
4.8	4.8	4.8	20.4	20.4	20.6	6.3	6.3	6.4	15.6	16.1	16.1	8.5	8.6	8.5	45
2.1	2.2	2.2	14.2	14.8	14.9	2.0	2.0	2.1	10.5	11.0	10.9	5.5	5.6	5.6	46
195.2	192.3	192.5	699.7	696.5	700.2	161.6	163.6	163.9	634.8	655.8	651.6	526.9	519.2	524.5	47
4.0	3.9	3.9	18.8	18.7	18.8	4.9	4.8	4.7	41.9	46.1	46.1	16.2	15.5	15.7	48
15.6	15.1	15.1	90.6	90.0	90.7	17.3	17.4	17.6	71.8	74.5	75.1	66.6	67.2	67.6	49
20.7	20.2	20.1	117.5	111.6	112.3	17.9	18.2	18.3	78.6	81.3	81.2	42.6	41.4	42.7	50
25.3	24.3	24.2	46.0	45.8	45.6	8.5	8.6	8.6	32.8	32.9	32.8	40.3	40.1	40.3	51
6.8	6.8	6.7	41.8	43.8	43.8	7.9	7.8	7.8	43.3	45.0	44.9	36.2	35.0	35.3	52
24.1	24.7	24.5	68.8	67.9	69.0	11.6	11.5	11.5	43.4	45.8	46.0	46.2	43.8	45.1	53
75.2	74.9	75.0	183.6	181.4	182.2	65.7	66.9	67.3	204.1	208.3	208.3	145.8	146.4	147.9	54
6.4	5.9	5.9	42.3	39.4	40.5	9.0	8.8	8.8	34.6	35.1	35.2	26.4	25.9	26.2	55
5.2	5.3	5.2	24.8	24.0	24.5	8.5	8.7	8.6	41.8	41.9	41.9	45.3	46.1	46.2	56
3.3	2.9	2.9	9.0	8.8	8.9	2.5	2.6	2.6	8.8	8.8	8.6	10.8	11.0	10.8	57
29.3	29.0	29.2	109.5	111.6	112.1	21.6	22.2	22.1	91.6	96.2	95.8	125.8	127.1	127.5	58
11.8	11.7	11.7	49.1	49.2	45.4	11.0	11.0	11.0	45.7	48.0	47.8	42.4	42.7	42.7	59
1.2	1.3	1.3	5.7	5.8	5.9	1.3	1.2	1.2	4.2	4.1	4.2	13.8	14.7	14.8	60

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

	State and area	Total			Mining			Construction			Manufacturing		
		NOV. 1961	OCT. 1962	NOV. 1962P	NOV. 1961	OCT. 1962	NOV. 1962P	NOV. 1961	OCT. 1962	NOV. 1962P	NOV. 1961	OCT. 1962	NOV. 1962P
1	NEW YORK	7,354.9	7,283.3	7,286.1	6.5	6.4	6.3	222.4	221.1	218.1	1,430.9	1,355.8	1,344.8
2	Albany—Schenectady—Troy.....	338.4	336.8	336.5	(1)	(1)	(1)	9.9	9.5	9.3	53.8	51.1	51.0
3	Binghamton.....	119.8	117.6	117.6	(1)	(1)	(1)	3.9	3.8	3.8	44.0	41.7	41.6
4	Buffalo.....	495.7	471.8	471.6	(1)	(1)	(1)	16.6	15.6	15.0	127.4	108.5	107.0
5	Elmira.....	37.1	34.2	34.1	(1)	(1)	(1)	1.1	1.3	1.2	11.4	8.4	8.4
6	Monroe County.....	348.1	345.3	344.4	(1)	(1)	(1)	10.3	9.9	9.4	139.6	136.2	135.3
7	Nassau—Suffolk ⁸	930.4	935.1	936.9	(1)	(1)	(1)	36.4	36.0	36.3	168.6	165.0	165.0
8	New York—Northeastern New Jersey.....	6,836.3	6,785.6	(*)	2.3	2.1	(*)	213.2	212.0	(*)	1,316.9	1,260.5	(*)
9	New York and Nassau—Suffolk ⁹	4,768.7	4,761.1	4,773.7	1.9	1.8	1.8	141.3	141.1	141.3	739.5	719.4	712.0
10	New York SMSA ⁸	3,838.3	3,825.9	3,836.8	1.7	1.6	1.6	104.8	105.0	105.0	570.9	554.5	547.0
11	New York City ⁷	3,386.3	3,373.9	3,385.4	1.4	1.3	1.3	84.3	84.4	84.4	483.3	467.6	460.7
12	Poughkeepsie.....	102.2	102.9	103.2	(1)	(1)	(1)	2.9	2.7	2.9	33.4	33.7	33.6
13	Rochester.....	427.1	421.8	420.2	(1)	(1)	(1)	12.4	11.8	11.1	161.0	156.0	154.4
14	Rockland County.....	82.9	82.9	82.9	(1)	(1)	(1)	2.9	3.1	3.1	16.0	15.4	15.5
15	Syracuse.....	261.9	257.3	256.8	(1)	(1)	(1)	10.3	10.2	10.2	59.1	54.5	54.0
16	Utica—Rome.....	115.2	113.1	112.1	(1)	(1)	(1)	2.6	2.9	2.5	30.2	26.9	26.8
17	Westchester County ⁷	356.6	356.4	355.8	(1)	(1)	(1)	16.9	16.8	16.8	70.3	69.5	67.6
18	NORTH CAROLINA	2,405.3	2,351.3	2,348.0	4.7	4.6	4.6	115.3	104.1	104.2	914.8	767.9	762.6
19	Asheville.....	71.8	71.1	71.1	(1)	(1)	(1)	3.2	2.6	2.9	21.7	20.2	20.5
20	Charlotte—Gastonia.....	341.9	331.9	331.8	(1)	(1)	(1)	18.6	17.2	17.4	95.1	91.1	91.2
21	Greensboro—Winston-Salem—High Pt.....	394.7	381.6	382.4	(1)	(1)	(1)	17.3	15.5	15.4	149.4	139.4	139.8
22	Raleigh—Durham.....	280.7	277.9	275.0	(1)	(1)	(1)	14.0	12.8	12.6	45.8	44.3	44.2
23	NORTH DAKOTA	255.0	254.2	252.8	11.8	9.1	8.3	17.2	17.5	17.0	15.7	14.9	14.5
24	Fargo—Moorhead.....	63.2	63.8	64.2	(2)	(2)	(2)	3.3	3.4	3.2	4.5	4.5	4.9
25	OHIO	4,342.7	4,204.0	4,190.2	32.4	32.0	32.0	161.3	153.6	148.6	1,211.9	1,086.8	1,073.6
26	Akron.....	261.1	255.1	254.7	(*)	(*)	(*)	8.3	8.0	7.8	74.9	69.8	68.0
27	Canton.....	157.9	151.3	151.4	(*)	(*)	(*)	5.5	5.4	5.2	55.1	47.7	47.6
28	Cincinnati.....	597.1	587.5	585.7	(*)	(*)	(*)	22.8	22.1	21.1	158.6	150.2	150.1
29	Cleveland.....	993.6	853.3	851.9	(*)	(*)	(*)	28.9	27.7	27.0	245.9	221.7	219.4
30	Columbus.....	515.6	511.7	512.7	(*)	(*)	(*)	18.9	17.9	17.3	93.2	88.2	88.0
31	Dayton.....	357.0	347.3	344.8	(*)	(*)	(*)	11.9	11.5	11.1	98.0	87.8	85.1
32	Toledo.....	292.3	267.9	287.2	(*)	(*)	(*)	11.9	11.0	10.4	71.5	66.5	66.2
33	Youngstown—Warren.....	201.8	185.9	181.8	(*)	(*)	(*)	6.7	6.2	5.9	68.3	52.7	49.5
34	OKLAHOMA	1,217.0	1,195.9	1,190.3	103.0	87.2	85.8	53.8	55.1	52.8	200.0	173.0	169.0
35	Enid.....	27.2	25.5	25.5	3.3	2.5	2.6	1.4	1.4	1.4	3.0	2.2	2.1
36	Lawton.....	29.7	29.9	30.0	(1)	(1)	(1)	1.3	1.5	1.5	3.1	3.1	3.1
37	Oklahoma City.....	430.6	444.5	442.3	28.1	29.1	29.2	21.9	22.2	21.9	55.2	52.0	49.6
38	Tulsa.....	328.6	321.9	321.8	27.6	28.2	28.2	16.1	16.8	16.4	69.1	59.3	59.2
39	OREGON	1,008.9	973.4	964.2	2.2	2.3	1.7	35.2	30.5	29.3	196.6	193.3	186.5
40	Eugene—Springfield.....	99.0	95.1	93.6	(1)	(1)	(1)	3.6	2.6	2.5	17.0	17.1	16.2
41	Jackson County.....	-	-	-	-	-	-	-	-	-	6.4	6.6	6.5
42	Portland.....	541.6	518.4	518.4	(1)	(1)	(1)	20.9	18.4	17.8	105.7	96.7	97.9
43	Salem.....	86.9	88.4	85.7	(1)	(1)	(1)	3.1	2.9	2.7	13.5	15.6	13.2
44	PENNSYLVANIA	4,735.5	4,479.2	4,473.8	50.2	43.1	42.6	189.1	169.0	162.4	1,276.6	1,115.7	1,101.5
45	Allentown—Bethlehem—Easton.....	264.0	248.8	246.9	(1)	(1)	(1)	8.4	7.1	7.1	102.6	91.6	89.4
46	Altoona.....	49.6	46.1	46.2	(1)	(1)	(1)	2.1	2.2	2.2	12.7	11.4	11.5
47	Delaware Valley ¹⁰	1,589.8	1,544.5	1,548.5	(1)	(1)	(1)	60.5	55.8	53.4	355.8	326.8	323.9
48	Erie.....	109.9	104.1	103.8	(1)	(1)	(1)	3.3	3.1	3.1	41.0	36.6	36.3
49	Harrisburg.....	226.6	223.1	223.2	(1)	(1)	(1)	8.1	7.3	7.0	41.2	39.2	38.8
50	Johnstown.....	82.1	74.1	72.2	8.5	6.5	5.4	2.9	2.2	2.1	16.2	13.0	12.1
51	Lancaster.....	155.7	149.0	149.5	(1)	(1)	(1)	6.4	6.3	6.3	59.7	54.3	54.2
52	Northeast Pennsylvania.....	238.5	230.1	225.8	1.1	1.0	1.1	11.4	10.2	10.0	68.0	62.4	61.4
53	Philadelphia SMSA.....	1,934.9	1,888.6	1,894.3	(1)	(1)	(1)	74.8	69.9	67.7	427.1	392.6	389.1
54	Philadelphia City ¹¹	777.6	756.2	758.2	(1)	(1)	(1)	19.5	18.8	18.3	129.3	119.9	116.7
55	Pittsburgh.....	935.8	854.2	853.4	5.8	9.2	8.6	47.7	42.2	39.9	225.8	171.9	170.4
56	Reading.....	141.8	134.6	134.2	(1)	(1)	(1)	5.0	3.8	3.8	54.0	49.9	49.6
57	Williamsport.....	46.9	44.7	44.6	(1)	(1)	(1)	1.2	1.4	1.4	16.4	14.6	14.3
58	York.....	158.0	147.6	146.3	(1)	(1)	(1)	6.8	6.7	6.5	66.2	57.7	56.6
59	RHODE ISLAND	404.9	394.6	394.3	(1)	(1)	(1)	13.0	12.6	12.4	126.2	119.0	118.4
60	Providence—Warwick—Pawtucket.....	412.0	398.5	395.0	(1)	(1)	(1)	13.0	12.5	12.2	140.3	131.3	131.4
61	SOUTH CAROLINA	1,197.7	1,178.8	1,178.9	(1)	(1)	(1)	68.6	65.6	67.0	385.0	356.4	355.6
62	Charleston—North Charleston.....	153.3	154.0	154.9	(1)	(1)	(1)	9.8	10.5	10.4	20.6	17.7	13.7
63	Columbia.....	182.1	179.6	175.6	(1)	(1)	(1)	8.6	9.0	9.0	27.2	24.9	24.6
64	Greenville—Spartanburg.....	269.5	259.0	256.9	(1)	(1)	(1)	16.4	14.2	14.0	101.9	93.6	93.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	
431.2	425.1	423.5	1,494.3	1,471.9	1,488.3	658.7	670.9	670.1	1,812.2	1,837.0	1,834.2	1,298.7	1,291.2	1,301.0	1
15.6	15.2	15.1	69.2	68.1	68.4	15.9	16.1	16.1	74.3	76.4	76.2	99.7	100.3	100.3	2
4.6	4.7	4.6	21.2	21.5	21.6	4.2	4.1	4.1	19.7	19.6	19.5	22.1	22.3	22.4	3
26.6	25.2	24.9	111.5	109.5	112.0	22.3	22.5	22.4	107.5	107.4	106.7	83.8	83.1	83.5	4
1.3	1.3	1.3	8.7	8.7	8.7	1.2	1.1	1.1	7.2	7.3	7.2	6.3	6.1	6.3	5
10.3	10.2	10.2	61.3	62.3	62.5	14.3	14.4	14.5	72.3	73.1	73.4	40.1	39.1	39.2	6
41.8	43.8	43.8	242.5	243.3	246.1	52.7	52.7	52.4	216.2	224.5	221.4	172.2	169.9	172.0	7
471.9	466.1	(*)	1,430.5	1,401.7	(*)	664.9	677.0	(*)	1,673.7	1,708.3	(*)	1,063.1	1,055.9	(*)	8
320.2	317.9	317.6	972.3	955.6	966.7	552.2	563.1	562.7	1,279.7	1,304.4	1,305.3	761.7	757.8	766.2	9
278.3	274.1	273.8	729.8	712.4	720.7	499.5	510.3	510.4	1,063.7	1,080.1	1,084.1	589.6	588.0	594.2	10
254.6	250.7	250.3	623.2	607.1	614.4	476.9	487.7	487.8	951.9	965.1	969.7	510.7	509.7	514.6	11
2.9	2.9	2.9	16.6	16.8	17.0	2.9	3.0	2.9	19.6	20.0	20.0	23.9	23.7	23.7	12
12.8	12.6	12.6	79.2	80.6	80.6	15.8	16.0	16.0	84.4	85.2	85.5	61.7	59.6	59.9	13
3.4	3.4	3.4	18.0	18.2	18.3	2.7	2.8	2.7	18.4	19.2	19.0	21.5	20.9	21.0	14
14.5	14.7	14.7	57.2	56.7	57.0	16.3	16.6	16.6	55.7	56.4	56.3	48.8	47.7	48.1	15
4.0	4.0	4.0	22.9	22.8	22.6	5.6	5.6	5.6	21.3	22.0	21.7	28.7	28.9	28.9	16
19.8	19.4	19.4	85.6	84.0	84.9	19.4	19.4	19.3	90.6	93.0	92.6	54.1	54.0	55.1	17
118.3	116.1	115.9	478.5	473.4	474.4	98.0	99.6	99.2	354.7	366.1	363.0	421.0	419.5	424.1	18
3.7	3.5	3.5	16.0	16.3	16.2	2.3	2.3	2.3	12.7	13.3	13.1	12.2	12.6	12.6	19
31.9	31.0	31.0	82.5	78.6	78.9	21.5	21.5	21.4	54.7	55.4	54.5	37.6	37.1	37.4	20
21.4	21.3	21.2	79.1	77.6	78.1	18.8	18.7	18.6	60.8	61.2	60.9	47.9	47.9	48.4	21
13.5	14.3	14.3	54.0	53.0	53.3	15.9	15.6	15.6	60.7	60.9	61.4	76.8	77.0	77.6	22
17.2	16.9	16.8	67.1	67.1	67.2	11.8	12.0	12.0	52.7	55.0	54.9	61.5	61.7	62.1	23
4.0	3.8	3.7	18.9	19.1	19.2	3.9	4.0	4.0	14.9	15.2	15.4	13.7	13.4	13.8	24
220.5	211.3	210.6	959.2	937.5	943.9	205.6	206.2	206.4	864.9	901.2	894.9	686.9	675.2	680.1	25
14.0	13.4	13.4	58.2	58.2	58.6	9.1	9.2	9.2	51.7	53.4	53.4	44.2	43.5	43.7	26
7.2	6.9	6.9	33.4	33.5	33.8	6.3	6.5	6.4	30.2	31.2	31.1	18.8	18.7	18.9	27
33.4	32.4	32.3	141.8	138.0	139.6	32.5	32.2	32.3	124.0	130.4	128.0	83.7	81.6	81.9	28
45.7	44.0	44.0	201.3	196.1	197.3	47.8	47.6	47.5	194.3	199.9	199.7	118.4	115.0	115.7	29
24.7	23.4	23.4	124.0	121.9	123.8	39.9	41.6	41.8	110.5	115.3	115.0	103.8	102.5	102.5	30
13.4	12.8	12.6	74.4	72.4	73.1	13.7	14.0	14.0	75.4	79.0	78.6	69.9	69.3	69.8	31
19.4	18.9	18.8	67.3	65.3	65.9	10.5	10.8	10.7	65.0	68.0	67.6	46.2	47.0	47.1	32
9.4	8.9	8.9	44.2	43.4	43.5	7.2	7.3	7.3	36.2	40.4	40.3	26.0	25.0	25.6	33
68.1	67.6	67.7	287.1	290.5	292.9	59.1	61.8	61.8	202.7	214.5	213.6	243.2	246.2	246.7	34
2.7	2.7	2.7	7.3	7.0	7.0	1.2	1.2	1.2	4.5	4.6	4.6	3.8	3.9	3.9	35
1.4	1.4	1.4	7.4	7.2	7.3	1.2	1.3	1.3	4.7	4.6	4.5	10.6	10.8	10.9	36
24.5	25.5	25.8	108.2	111.3	112.5	26.4	28.0	28.0	73.4	79.4	79.2	92.9	96.0	96.1	37
23.8	24.2	24.2	75.4	74.4	75.0	16.0	16.0	16.0	64.9	67.2	67.0	35.7	35.8	35.8	38
59.8	56.6	56.2	252.9	244.2	244.1	66.1	63.9	63.0	189.8	185.5	183.3	206.3	197.1	200.1	39
4.7	4.8	4.7	25.3	23.5	23.4	5.4	5.2	5.1	19.3	19.6	19.3	23.7	22.3	22.4	40
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
37.0	35.0	34.8	141.7	137.8	138.9	44.8	44.2	43.8	110.8	106.2	106.2	80.7	77.1	79.0	42
2.8	2.8	2.8	18.7	18.2	18.5	5.7	5.6	5.6	15.9	16.1	15.9	27.2	27.0	27.0	43
257.2	240.4	240.2	1,001.6	964.4	974.6	240.2	240.1	239.9	1,020.3	1,026.3	1,023.6	700.3	680.7	689.0	44
13.9	13.5	13.6	53.7	50.0	49.9	9.6	9.5	9.4	46.6	47.6	47.7	29.2	29.5	29.8	45
6.1	4.9	4.9	10.7	10.1	10.1	1.5	1.5	1.5	8.9	8.8	8.6	7.6	7.2	7.5	46
81.0	77.8	78.4	336.0	331.5	335.5	112.1	112.7	112.8	418.2	415.9	418.1	226.2	224.0	226.4	47
5.0	4.5	4.4	21.7	21.3	21.4	4.8	4.8	4.9	22.9	22.6	22.5	11.2	11.2	11.2	48
16.7	16.0	16.0	46.0	44.5	45.1	12.8	12.9	12.9	41.1	42.1	42.1	60.7	61.0	61.3	49
4.9	4.7	4.6	15.6	14.8	14.7	4.0	4.0	4.0	15.7	15.9	15.7	14.3	13.0	13.6	50
6.3	5.8	5.9	34.1	33.5	34.2	6.0	6.0	6.0	28.0	28.6	28.5	15.2	14.1	14.4	51
12.9	12.8	12.4	50.5	48.6	48.7	9.9	10.5	10.5	47.0	49.7	49.4	37.7	34.9	36.3	52
96.1	92.9	93.5	426.5	421.4	426.2	129.5	130.1	130.4	488.6	490.5	493.4	292.3	291.2	294.0	53
51.1	48.5	49.0	146.5	143.2	144.4	66.3	65.6	65.7	227.5	222.1	223.2	137.4	139.1	138.9	54
55.4	50.1	50.3	212.6	206.4	208.1	46.1	46.6	46.4	221.9	221.0	219.3	116.5	106.8	110.4	55
6.5	6.6	6.6	28.8	26.7	26.7	6.5	6.3	6.2	23.9	24.5	24.5	17.1	16.8	16.8	56
2.3	2.1	2.1	9.9	9.7	9.8	2.2	2.2	2.2	8.3	8.4	8.4	6.6	6.3	6.4	57
7.6	7.2	6.7	33.7	32.7	33.0	4.0	3.9	3.9	21.7	22.1	22.0	18.0	17.3	17.6	58
13.2	13.4	13.4	82.5	79.4	79.6	21.0	21.3	21.3	90.3	91.2	91.3	58.7	57.7	57.9	59
13.2	13.3	13.2	81.9	78.3	78.6	21.0	21.0	21.1	86.4	87.2	87.3	56.2	54.9	55.2	60
54.4	54.2	54.2	233.3	237.5	238.0	49.9	52.1	51.8	168.3	176.5	174.3	238.2	236.5	238.0	61
9.2	8.9	9.0	33.4	33.4	33.5	6.7	7.1	7.1	26.6	29.0	28.8	47.0	47.4	47.4	62
9.5	9.7	9.7	37.7	36.7	36.9	14.4	14.9	14.7	28.5	28.6	28.6	56.2	55.8	56.1	63
10.0	9.2	9.1	55.4	55.0	55.1	10.2	10.4	10.5	39.1	39.9	40.0	36.5	36.7	37.0	64

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Contract Construction			Manufacturing		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
1 SOUTH DAKOTA	237.1	233.0	230.5	3.0	2.7	2.7	9.7	8.8	8.2	26.2	24.8	24.4
2 Sioux Falls	54.9	55.3	55.0	(2)	(2)	(2)	2.3	2.7	2.5	7.4	7.1	6.7
3 TENNESSEE	1,748.0	1,705.8	1,700.1	10.6	11.1	10.7	79.1	82.2	80.4	502.6	469.9	467.6
4 Chattanooga	168.6	164.4	166.1	1.1	1.3	1.3	5.9	6.0	5.9	48.5	44.5	46.0
5 Knoxville	202.2	201.8	201.1	1.6	1.5	1.5	10.3	9.1	9.0	49.7	47.5	47.4
6 Memphis	358.6	349.4	348.8	.2	.2	.2	13.9	13.7	13.3	57.7	56.0	53.4
7 Nashville—Davidson	364.2	351.7	350.8	(1)	(1)	(1)	16.9	16.4	16.0	83.0	75.0	74.2
8 TEXAS	6,274.9	6,201.2	6,203.3	304.2	281.7	275.4	441.0	437.9	437.0	1,117.2	1,012.2	1,002.3
9 Dallas—Fort Worth	1,533.1	1,555.6	1,553.1	31.3	33.1	32.9	78.6	82.5	81.6	330.4	310.7	310.0
10 Houston	1,585.9	1,527.3	1,520.7	103.7	91.3	90.7	150.4	140.9	139.3	266.4	237.7	235.3
11 San Antonio	412.8	411.9	413.0	3.4	3.4	3.4	26.6	27.4	27.5	52.4	48.4	48.4
12 UTAH	569.3	504.4	565.1	21.5	18.0	17.7	30.0	27.9	27.8	90.9	86.4	86.5
13 Salt Lake City—Ogden	398.2	394.8	396.3	8.1	6.0	6.0	19.3	17.5	17.1	62.1	59.5	59.5
14 VERMONT	202.2	204.5	201.4	.7	.6	.7	11.7	11.4	11.0	50.4	48.9	48.4
15 Burlington ^{1,2}	60.3	60.5	60.1	-	-	-	-	-	-	15.9	15.5	15.5
16 Springfield	14.3	14.1	13.9	-	-	-	-	-	-	6.0	5.2	5.1
17 VIRGINIA	2,174.7	2,168.4	2,172.2	23.9	21.7	20.8	113.9	107.8	107.8	410.4	399.1	397.4
18 Bristol	27.2	27.0	27.3	(1)	(1)	(1)	.8	.7	.8	9.1	8.6	8.5
19 Lynchburg	71.2	68.1	68.3	(1)	(1)	(1)	2.8	2.6	2.6	28.9	26.6	26.5
20 Newport News—Hampton	150.9	155.0	155.3	(1)	(1)	(1)	6.8	6.1	6.0	34.1	36.6	36.6
21 Norfolk—Virginia Beach—Portsmouth	291.4	293.1	293.4	(1)	(1)	(1)	17.1	17.7	17.9	30.1	28.4	27.9
22 Northern Virginia ³	468.7	475.8	478.8	.4	.4	.3	27.5	26.7	26.5	20.3	22.0	22.0
23 Petersburg—Colonial Hgts.—Hopewell	44.8	44.7	44.0	(1)	(1)	(1)	1.8	2.2	2.1	10.4	9.0	9.5
24 Richmond	327.5	327.9	327.9	.3	.2	.2	17.4	16.9	16.5	56.3	54.2	54.1
25 Roanoke	102.2	101.1	101.3	.2	.1	.2	4.5	4.7	4.5	20.7	19.7	19.6
26 WASHINGTON	1,588.2	1,568.1	1,559.9	3.2	3.0	3.0	84.8	76.6	75.3	296.3	287.9	282.2
27 Seattle—Everett	770.2	(*)	(*)	(1)	(*)	(*)	36.3	(*)	(*)	164.3	(*)	(*)
28 Spokane	124.4	(*)	(*)	(1)	(*)	(*)	5.7	(*)	(*)	15.5	(*)	(*)
29 Tacoma	140.5	(*)	(*)	(1)	(*)	(*)	6.7	(*)	(*)	21.8	(*)	(*)
30 WEST VIRGINIA	633.5	597.4	597.0	68.0	52.4	52.1	27.5	25.6	25.4	109.1	96.3	95.4
31 Charleston	111.2	108.3	108.2	6.8	5.6	5.5	5.5	5.0	5.0	16.8	16.1	16.1
32 Huntington—Ashland	103.5	97.5	97.8	1.2	1.2	1.3	4.8	4.3	4.2	24.7	21.0	21.0
33 Parkersburg—Marietta	58.7	56.7	56.5	1.4	1.4	1.4	3.1	3.1	3.1	16.7	15.1	14.7
34 Wheeling	64.9	60.9	60.5	4.9	4.2	4.2	2.5	2.4	2.3	11.8	8.9	8.4
35 WISCONSIN	1,931.8	1,878.2	1,867.9	2.1	2.1	2.0	62.3	55.2	53.9	534.6	488.5	478.6
36 Appleton—Oshkosh	126.5	121.9	121.4	(1)	(1)	(1)	4.5	4.5	4.3	46.7	42.5	42.3
37 Eau Claire	49.3	48.1	48.2	(1)	(1)	(1)	1.7	1.2	1.2	9.0	8.6	8.7
38 Green Bay	79.2	80.1	80.1	(1)	(1)	(1)	3.0	3.4	3.2	21.8	21.6	21.5
39 Janesville—Beloit	48.9	49.3	47.7	(1)	(1)	(1)	1.2	1.2	1.2	17.0	17.2	15.6
40 Kenosha	42.6	42.3	42.0	(1)	(1)	(1)	1.5	1.5	1.6	16.8	17.0	16.9
41 La Crosse	46.5	45.9	46.1	(1)	(1)	(1)	1.7	1.0	1.0	10.2	9.9	9.8
42 Madison	173.6	171.4	171.5	(1)	(1)	(1)	6.3	5.0	4.8	20.6	19.1	19.0
43 Milwaukee	660.5	627.1	626.8	(1)	(1)	(1)	18.5	15.4	15.1	192.3	165.2	164.1
44 Racine	66.3	61.3	61.2	(1)	(1)	(1)	1.5	1.6	1.7	27.1	22.6	22.6
45 WYOMING	216.2	215.2	210.5	39.3	39.3	39.2	18.5	17.5	14.9	10.6	10.7	10.4
46 Casper	41.0	37.5	37.4	7.9	5.9	5.9	3.4	4.4	4.2	2.1	1.2	1.2
47 Cheyenne	30.9	30.0	29.5	(1)	(1)	(1)	1.7	1.7	1.5	1.4	1.4	1.6
48 PUERTO RICO	663.0	622.1	626.9	.7	.6	.7	28.7	21.1	21.7	150.9	140.2	141.4
49 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
50 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
51 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	1.9	2.0	1.8	(*)	(*)	(*)
52 San Juan	(*)	(*)	(*)	(1)	(1)	(1)	20.6	14.9	15.5	(*)	(*)	(*)
53 VIRGIN ISLANDS	36.6	34.6	35.0	(2)	(2)	(2)	3.6	3.1	3.0	2.8	2.6	2.6

¹ Combined with services.

² Combined with construction.

³ Area included in Chicago—Gary Standard Consolidated Statistical Area.

⁴ Subarea of Baltimore Standard Metropolitan Statistical Area.

⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

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

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area:

Bucks, Chester, Delaware, Montgomery, Philadelphia Counties, Pennsylvania.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹² Total includes data for industry divisions not shown separately.

¹³ 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. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	
12.9	12.9	12.9	64.2	62.0	60.7	11.3	11.6	11.6	51.1	51.3	50.4	58.7	58.9	59.6	1
4.6	4.5	4.6	16.0	15.3	15.5	3.5	3.7	3.8	14.1	15.0	14.9	7.0	7.0	7.0	2
85.9	82.3	81.4	376.4	363.8	364.9	76.9	75.8	75.8	312.8	326.0	323.4	303.7	294.8	295.0	3
7.7	7.2	7.2	34.2	33.9	34.2	9.7	9.8	9.9	29.2	28.1	28.3	32.3	33.2	33.2	4
8.3	8.0	7.7	44.3	44.0	43.8	8.6	8.9	8.9	33.7	36.1	35.8	45.7	46.7	47.0	5
27.4	25.9	25.8	99.3	95.2	95.7	20.0	20.2	20.2	76.0	77.5	77.3	64.1	62.7	62.0	6
20.7	19.1	19.2	79.5	78.7	78.9	24.4	23.7	23.7	78.8	78.6	78.8	60.9	60.2	60.0	7
391.3	382.7	382.0	1,555.8	1,571.6	1,584.3	351.9	358.2	359.8	1,110.0	1,136.8	1,133.2	1,003.5	1,020.1	1,025.3	8
99.1	96.6	96.3	408.6	422.6	424.6	116.3	120.0	119.7	284.9	307.8	305.0	183.9	182.3	183.0	9
108.8	105.9	105.7	383.9	371.2	370.8	94.0	97.7	97.4	308.5	307.8	305.6	170.2	174.8	175.9	10
15.3	18.8	18.9	103.7	103.1	103.6	27.4	28.2	28.3	85.0	86.5	86.1	95.0	96.1	96.8	11
35.0	36.6	36.5	133.8	130.5	131.3	26.4	27.0	27.1	105.2	111.7	111.4	126.5	126.2	126.8	12
27.4	28.5	28.5	99.6	96.6	97.8	21.3	22.1	22.1	70.4	75.3	75.1	97.1	89.4	97.3	13
8.8	8.7	8.7	42.6	43.8	43.3	8.1	8.2	8.4	42.5	45.4	43.7	37.4	37.5	37.2	14
2.4	2.4	2.3	12.5	12.7	12.8	-	-	-	12.2	12.8	12.5	-	-	-	15
.7	.7	.7	2.1	2.3	2.3	-	-	-	2.4	2.7	2.5	-	-	-	16
117.6	116.8	116.9	475.1	479.4	483.2	105.8	106.4	106.9	416.0	428.8	428.1	511.9	508.4	511.2	17
1.1	1.1	1.2	6.6	7.2	7.4	.9	.9	.9	3.5	3.6	3.5	5.2	4.9	5.0	18
2.7	2.6	2.7	12.2	12.3	12.4	3.2	3.3	3.3	11.2	11.0	11.0	10.2	9.8	9.8	19
5.0	5.3	5.2	29.6	30.1	30.5	4.7	4.8	4.8	30.4	32.1	32.0	40.3	40.1	40.2	20
19.8	20.1	20.1	71.8	71.6	71.6	14.8	15.1	15.2	58.5	60.6	60.5	79.3	79.5	80.0	21
31.5	32.0	32.0	114.2	114.8	116.6	29.0	29.1	29.3	125.5	128.8	129.4	120.4	121.0	122.7	22
1.3	1.2	1.2	8.8	9.3	9.3	1.2	1.3	1.2	6.9	7.4	7.4	14.5	14.3	14.2	23
15.7	19.7	15.7	76.3	78.1	78.4	26.1	26.1	26.0	59.9	61.4	61.2	71.5	71.3	71.6	24
9.9	9.5	9.4	25.2	25.4	25.5	5.9	5.9	5.9	20.6	20.8	20.8	15.2	15.0	15.2	25
88.6	87.1	86.6	386.9	383.4	383.9	91.5	91.2	90.6	316.2	321.8	320.6	320.7	317.1	317.7	26
51.0	(*)	(*)	188.2	(*)	(*)	57.7	(*)	(*)	156.1	(*)	(*)	116.6	(*)	(*)	27
8.1	(*)	(*)	34.8	(*)	(*)	7.7	(*)	(*)	30.5	(*)	(*)	22.1	(*)	(*)	28
6.5	(*)	(*)	33.5	(*)	(*)	6.9	(*)	(*)	32.3	(*)	(*)	32.8	(*)	(*)	29
42.3	40.5	40.4	132.3	129.6	130.5	21.9	21.8	21.8	101.8	102.8	102.5	130.6	128.3	128.9	30
5.5	9.2	9.2	26.5	26.1	26.2	5.1	5.0	5.1	20.9	21.3	21.3	20.1	19.8	19.9	31
9.8	8.6	8.5	24.6	24.0	24.4	3.7	3.5	3.5	15.6	15.7	15.7	19.1	19.2	19.2	32
2.4	2.3	2.3	12.9	12.8	12.9	2.1	2.0	2.0	10.3	10.2	10.2	9.8	9.8	9.8	33
3.7	3.6	3.6	15.4	15.2	15.4	2.8	2.8	2.8	14.1	14.3	14.3	9.7	9.5	9.5	34
91.6	88.4	87.4	443.6	435.5	436.6	96.4	97.5	97.3	378.4	388.2	385.4	323.0	322.8	326.6	35
4.4	4.3	4.3	27.0	26.1	26.2	5.6	5.7	5.7	21.5	22.0	21.9	16.8	16.3	16.7	36
2.6	2.7	2.6	13.1	13.0	13.2	1.7	1.7	1.7	10.1	9.8	9.7	11.1	11.1	11.0	37
5.9	6.2	6.1	20.0	19.9	20.1	2.5	2.6	2.6	15.7	16.1	16.1	10.2	10.0	10.5	38
2.3	2.5	2.4	11.0	10.7	10.8	1.4	1.4	1.4	9.1	9.3	9.3	6.9	7.0	7.1	39
1.3	1.3	1.2	8.4	8.1	8.0	1.0	1.0	1.0	7.7	7.6	7.4	5.9	5.9	6.0	40
2.2	1.9	1.8	12.2	12.1	12.3	1.1	1.1	1.1	11.2	12.2	12.1	7.8	7.7	7.9	41
6.4	6.4	6.5	38.8	38.0	39.0	13.5	13.6	13.5	33.3	34.4	34.2	54.7	54.8	54.4	42
34.1	32.8	32.4	143.7	138.9	135.8	40.6	40.9	41.0	148.1	151.5	150.8	83.2	82.5	83.4	43
2.4	2.4	2.4	13.3	13.1	12.9	2.3	2.3	2.3	11.1	11.1	11.1	8.7	8.2	9.3	44
17.7	17.0	16.9	49.7	47.8	47.6	7.5	7.4	7.4	30.1	30.4	29.3	42.8	45.1	44.8	45
2.9	2.5	2.5	10.8	9.7	9.8	1.8	1.8	1.8	5.8	5.1	5.1	6.3	6.9	6.9	46
4.4	3.9	3.6	7.3	7.6	7.6	1.5	1.5	1.4	5.7	4.8	4.7	8.9	9.1	9.1	47
16.3	14.7	14.0	110.6	102.1	103.5	28.3	27.6	28.1	86.4	82.9	83.5	241.1	232.9	234.0	48
(*)	(*)	(*)	4.9	4.5	4.5	(*)	(*)	(*)	(*)	(*)	(*)	9.8	9.7	9.8	49
(*)	(*)	(*)	5.7	5.3	5.5	(*)	(*)	(*)	(*)	(*)	(*)	13.4	13.6	13.6	50
(*)	(*)	(*)	7.3	6.7	6.7	(*)	(*)	(*)	6.5	6.5	6.4	17.3	18.0	18.3	51
12.7	11.8	11.1	70.5	64.8	65.3	21.6	21.0	21.4	60.1	58.7	58.6	125.0	119.9	127.5	52
2.0	2.0	2.0	7.5	6.7	6.9	1.6	1.5	1.6	5.7	5.3	5.6	13.4	13.4	13.3	53

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

**C-1. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, 1962 to date**

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings excl. overtime
	Total private ¹			Mining			Construction			Manufacturing			
1962.....	\$85.91	\$38.7	2.22	\$110.70	41.0	\$2.70	\$122.47	37.0	\$3.31	\$96.56	40.4	\$2.39	\$2.31
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.23	40.5	2.45	2.37
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.43
1965.....	95.45	38.8	2.46	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.50
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.19	41.4	2.71	2.59
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.49	40.6	2.82	2.71
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88
1969.....	114.61	37.7	3.04	154.40	43.0	3.60	181.54	37.9	4.79	129.51	40.6	3.19	3.05
1970.....	119.83	37.1	3.23	164.40	42.7	3.85	195.45	37.3	5.24	133.33	39.8	3.35	3.23
1971.....	127.31	36.9	3.45	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.45
1972.....	130.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.05	154.71	40.5	3.82	3.66
1973.....	145.39	36.9	3.94	201.40	42.4	4.75	235.89	36.8	6.41	165.46	40.7	4.09	3.91
1974.....	154.76	36.5	4.24	219.14	41.9	5.23	249.25	35.6	6.81	176.80	40.0	4.42	4.25
1975.....	163.53	36.1	4.53	249.31	41.9	5.95	266.08	36.4	7.31	190.79	39.5	4.83	4.67
1976.....	175.45	36.1	4.86	273.90	42.4	6.46	283.73	36.8	7.71	209.32	40.1	5.22	5.02
1977.....	189.00	36.0	5.25	301.23	43.4	6.94	295.65	36.5	8.19	228.90	40.3	5.68	5.44
1978.....	203.70	35.8	5.69	332.88	43.4	7.67	318.69	36.8	8.66	249.27	40.4	5.17	5.91
1979.....	219.91	35.7	6.16	365.07	43.0	8.49	342.99	37.0	9.27	269.34	40.2	6.70	6.43
1980.....	235.10	35.3	6.66	397.06	43.3	9.17	367.78	37.0	9.94	288.62	39.7	7.27	7.02
1981.....	255.20	35.2	7.25	439.19	43.7	10.05	398.52	36.9	10.80	318.00	39.8	7.99	7.72
1982P.....	266.92	34.8	7.67	474.71	38.5	12.33	423.89	36.7	11.55	330.65	38.9	8.50	8.25
1981:													
December..	262.24	35.2	7.45	466.37	44.8	10.41	417.75	37.1	11.26	329.67	39.9	8.27	8.00
1982:													
January...	255.95	33.9	7.55	456.89	42.9	10.65	385.95	33.3	11.59	312.38	37.1	8.42	8.17
February...	262.39	34.8	7.54	463.03	43.6	10.62	406.39	35.9	11.32	326.93	39.2	8.34	8.10
March.....	261.99	34.7	7.55	465.16	43.8	10.62	419.21	37.0	11.33	327.27	39.1	8.37	8.13
April.....	262.27	34.6	7.58	454.76	42.7	10.65	415.44	36.7	11.32	325.85	38.7	8.42	8.19
May.....	265.52	34.8	7.63	454.12	42.6	10.66	429.75	37.5	11.46	329.55	39.0	8.45	8.22
June.....	267.40	35.0	7.64	463.10	42.8	10.82	427.88	37.5	11.41	334.05	39.3	8.50	8.25
July.....	269.98	35.2	7.67	463.68	42.5	10.91	438.14	38.0	11.53	332.60	38.9	8.55	8.31
August....	271.04	35.2	7.70	463.43	42.4	10.93	436.16	37.6	11.60	331.69	39.0	8.51	8.26
September.	270.05	34.8	7.76	462.58	41.9	11.04	430.99	36.9	11.68	334.15	38.9	8.59	8.33
October...	270.31	34.7	7.79	461.74	41.9	11.02	439.52	37.1	11.82	333.84	39.0	8.56	8.31
NovemberP.	270.66	34.7	7.80	460.51	41.6	11.07	420.57	36.1	11.65	338.37	39.3	8.61	8.36
DecemberP.	272.14	34.8	7.82	466.89	42.1	11.09	434.44	36.6	11.87	344.69	39.7	8.69	8.42
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1962.....	-	-	-	\$69.91	38.2	\$1.83	\$80.94	37.3	\$2.17	-	-	-	-
1963.....	-	-	-	72.31	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964.....	\$113.78	41.1	\$2.49	74.55	37.9	1.97	85.79	37.3	2.30	\$79.03	39.1	\$1.91	-
1965.....	125.14	41.3	3.03	76.91	37.7	2.04	88.91	37.2	2.39	78.61	39.7	2.05	-
1966.....	128.13	41.2	3.11	79.39	37.1	2.14	92.13	37.3	2.47	77.04	35.5	2.17	-
1967.....	130.82	40.5	3.23	82.35	36.6	2.25	95.72	37.1	2.58	80.38	35.1	2.29	-
1968.....	138.85	40.6	3.42	87.30	36.1	2.41	101.75	37.0	2.75	83.97	34.7	2.42	-
1969.....	147.74	40.7	3.63	91.39	35.7	2.56	108.70	37.1	2.93	90.57	34.7	2.61	-
1970.....	155.93	40.5	3.85	96.02	35.3	2.72	112.67	36.7	3.07	95.65	34.4	2.81	-
1971.....	168.82	40.1	4.21	101.39	35.1	2.88	117.85	35.6	3.22	103.06	33.9	3.04	-
1972.....	187.86	40.4	4.65	106.45	34.9	3.05	122.98	36.6	3.35	110.85	33.9	3.27	-
1973.....	203.31	40.5	5.02	111.76	34.6	3.23	129.20	35.6	3.53	117.23	33.8	3.47	-
1974.....	217.48	40.2	5.41	119.02	34.2	3.48	137.61	35.5	3.77	126.00	33.6	3.75	-
1975.....	233.44	39.7	5.88	125.45	33.9	3.73	143.19	36.5	4.05	134.67	33.5	4.02	-
1976.....	256.71	39.8	6.45	133.79	33.7	3.97	155.43	35.4	4.27	143.52	33.3	4.31	-
1977.....	278.90	39.9	6.99	142.52	33.3	4.28	165.26	35.4	4.54	153.45	33.0	4.65	-
1978.....	302.80	40.0	7.57	153.64	32.9	4.57	178.00	35.4	4.89	163.67	32.8	4.99	-
1979.....	325.58	39.9	8.16	164.96	32.6	5.06	190.77	36.2	5.27	175.27	32.7	5.36	-
1980.....	351.25	39.6	8.87	176.46	32.2	5.48	209.60	36.2	5.79	190.71	32.6	5.85	-
1981.....	382.18	39.4	9.70	190.95	32.2	5.93	229.05	36.3	6.31	208.97	32.6	6.41	-
1982P.....	400.67	38.9	10.30	198.42	31.9	6.22	245.80	36.2	6.79	224.94	32.6	6.90	-
1981:													
December..	395.36	39.3	10.06	194.45	32.3	6.02	234.21	36.2	6.47	217.12	32.6	6.66	-
1982:													
January...	388.85	38.5	10.10	191.89	31.1	6.17	237.47	36.2	6.56	219.32	32.3	6.79	-
February...	397.10	39.2	10.13	194.66	31.6	6.16	233.64	36.2	6.62	220.68	32.5	6.79	-
March.....	392.73	39.0	10.07	194.66	31.6	6.16	239.22	36.3	6.59	220.03	32.5	6.77	-
April.....	393.43	38.8	10.14	195.91	31.7	6.18	240.37	36.2	6.64	221.33	32.5	6.81	-
May.....	394.60	38.8	10.17	197.78	31.9	6.20	245.75	36.3	6.77	222.63	32.5	6.85	-
June.....	399.84	39.2	10.20	199.02	32.1	6.20	242.23	36.1	6.71	224.35	32.8	6.84	-
July.....	403.37	39.2	10.29	202.45	32.6	6.21	245.44	36.2	6.78	227.40	33.1	6.87	-
August....	409.90	39.3	10.43	202.77	32.6	6.22	249.38	36.3	6.87	227.70	33.0	6.90	-
September.	405.85	38.8	10.46	200.95	32.1	6.26	249.09	36.1	6.90	228.57	32.7	6.99	-
October...	406.62	38.8	10.48	200.97	31.9	6.30	252.31	36.2	6.97	229.13	32.5	7.05	-
NovemberP.	409.34	38.8	10.55	200.98	31.8	6.32	253.76	36.2	7.01	230.10	32.5	7.08	-
DecemberP.	411.26	38.8	10.60	201.59	32.1	6.28	254.88	36.0	7.08	230.04	32.4	7.10	-

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

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	TOTAL PRIVATE	\$262.20	\$262.24	\$270.31	\$270.66	\$272.14	\$7.47	\$7.45	\$7.79	\$7.90	\$7.92
	MINING	461.32	466.37	461.74	460.51	466.89	10.39	10.41	11.02	11.07	11.00
	METAL MINING	486.01	484.41	452.50	461.32	-	12.12	12.08	12.50	12.57	-
101	Iron ores	504.32	459.46	497.88	510.54	-	12.80	12.87	13.42	13.43	-
102	Copper ores	505.93	518.93	497.66	520.76	-	12.25	12.21	12.96	12.39	-
11, 12	COAL MINING	522.06	528.63	505.56	501.35	-	12.43	12.38	12.93	13.19	-
12	BITUMINOUS COAL AND LIGNITE MINING	522.49	529.91	507.13	501.57	-	12.47	12.41	12.97	13.13	-
13	OIL AND GAS EXTRACTION	449.57	453.88	457.68	458.78	-	9.71	9.74	10.57	10.62	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	461.20	465.51	503.78	511.56	-	11.06	11.11	12.11	12.18	-
138	Oil and gas field services	446.00	451.18	437.80	436.69	-	9.35	9.38	9.95	9.97	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	365.51	369.79	394.90	365.58	-	8.52	8.56	9.12	9.03	-
142	Crushed and broken stone	355.93	358.39	388.47	370.20	-	8.22	8.09	8.71	9.53	-
	CONSTRUCTION	414.78	417.75	438.52	420.57	434.44	11.19	11.26	11.82	11.65	11.67
15	GENERAL BUILDING CONTRACTORS	369.10	371.71	389.84	376.26	-	10.14	10.24	10.71	10.51	-
152	Residential building construction	334.95	332.28	353.97	335.42	-	9.33	9.36	9.86	9.67	-
153	Operative builders	293.23	292.74	315.55	323.84	-	8.26	8.61	8.37	8.50	-
154	Nonresidential building construction	403.33	410.70	429.89	414.18	-	10.56	11.07	11.55	11.41	-
16	HEAVY CONSTRUCTION CONTRACTORS	442.13	438.07	469.97	447.30	-	10.89	10.79	11.72	11.44	-
161	Highway and street construction	391.38	370.00	432.48	370.36	-	9.76	9.32	10.60	9.57	-
162	Heavy construction, except highway	461.86	461.35	485.56	476.74	-	11.32	11.29	12.20	12.10	-
17	SPECIAL TRADE CONTRACTORS	422.80	430.20	446.56	429.10	-	11.81	11.95	12.37	12.28	-
171	Plumbing, heating, air conditioning	434.90	451.27	467.60	449.39	-	11.85	11.97	12.57	12.38	-
172	Painting, paper hanging, decorating	361.18	360.53	378.87	366.32	-	10.53	10.73	10.95	10.87	-
173	Electrical work	488.93	515.13	520.23	504.07	-	13.25	13.38	13.91	13.31	-
174	Masonry, stonework, and plastering	385.56	376.68	412.80	398.00	-	11.34	11.38	12.00	11.91	-
175	Carpentering and flooring	361.80	368.20	387.26	381.29	-	10.61	10.52	11.39	11.45	-
176	Roofing and sheet metal work	359.84	331.38	369.40	338.67	-	10.43	10.52	11.16	10.02	-
	MANUFACTURING	325.54	329.97	333.84	338.37	344.59	8.20	8.27	8.56	8.61	8.62
24, 25, 32-39	DURABLE GOODS	351.68	356.73	357.90	363.13	370.52	8.77	8.83	9.13	9.17	9.24
20-23, 26-31	NONDURABLE GOODS	288.56	291.65	302.25	306.53	310.85	7.38	7.44	7.81	7.80	7.65
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	269.93	272.80	292.22	295.67	294.47	7.16	7.16	7.61	7.64	7.57
241	Logging camps and logging contractors	365.19	349.31	401.94	409.77	-	9.56	9.39	10.44	10.43	-
242	Sawmills and planing mills	272.25	280.01	296.93	296.83	-	7.26	7.33	7.75	7.69	-
2421	Sawmills and planing mills, general	285.74	293.75	312.53	312.27	-	7.64	7.71	8.16	8.03	-
2426	Hardwood dimension and flooring	200.20	202.15	208.21	214.63	-	5.20	5.21	5.38	5.42	-
243	Millwork, plywood, and structural members	261.80	268.55	285.34	292.86	-	7.00	7.03	7.45	7.49	-
2431	Millwork	276.14	280.14	293.31	256.72	-	7.21	7.22	7.54	7.55	-
2434	Wood kitchen cabinets	236.43	239.84	252.08	260.74	-	6.39	6.43	6.74	6.79	-
2435	Hardwood veneer and plywood	215.95	223.11	225.51	224.62	-	5.58	5.62	5.95	5.98	-
2436	Softwood veneer and plywood	298.78	313.22	347.90	367.60	-	8.44	8.42	9.06	9.19	-
244	Wood containers	210.86	215.63	212.57	213.00	-	5.52	5.63	5.65	5.67	-
245	Wood buildings and mobile homes	229.91	232.05	251.17	249.98	-	6.55	6.63	6.68	6.72	-
2451	Mobile homes	225.98	235.50	249.38	248.94	-	6.42	6.56	6.65	6.71	-
249	Miscellaneous wood products	241.35	248.88	247.79	250.65	-	6.11	6.13	6.37	6.46	-
25	FURNITURE AND FIXTURES	230.51	238.07	244.22	245.36	249.98	6.05	6.12	6.41	6.44	6.51
251	Household furniture	210.00	217.16	222.22	221.78	-	5.60	5.67	5.91	5.93	-
2511	Wood household furniture	199.43	203.06	203.42	204.38	-	5.18	5.22	5.41	5.45	-
2512	Upholstered household furniture	216.48	229.74	233.21	233.95	-	5.98	6.11	6.32	6.34	-
2514	Metal household furniture	229.88	231.66	249.15	246.36	-	5.94	5.94	6.26	6.19	-
2515	Mattresses and bedspreads	215.14	225.81	244.28	241.82	-	6.20	6.29	6.67	6.58	-
252	Office furniture	263.16	270.19	261.95	268.42	-	6.53	6.59	6.93	6.99	-
253	Public building and related furniture	271.95	294.24	280.30	292.52	-	6.85	7.09	6.99	7.10	-
254	Partitions and fixtures	276.10	284.31	309.90	306.54	-	7.19	7.29	7.86	7.85	-
259	Miscellaneous furniture and fixtures	273.53	273.24	280.06	288.72	-	6.96	6.90	7.09	7.20	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982F	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982F	Dec. 1982P
	TOTAL PRIVATE	35.1	35.2	34.7	34.7	34.8	-	-	-	-	-
	MINING	44.4	44.8	41.9	41.6	42.1	-	-	-	-	-
10	METAL MINING	40.1	40.1	36.2	36.7	-	-	-	-	-	-
101	Iron ores	39.4	35.7	37.1	38.1	-	-	-	-	-	-
102	Copper ores	41.3	42.5	38.4	40.4	-	-	-	-	-	-
11, 12	COAL MINING	42.0	42.7	39.1	38.3	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	41.9	42.7	39.1	38.2	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	46.3	46.6	43.3	43.2	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.7	41.9	41.6	42.0	-	-	-	-	-	-
138	Oil and gas field services	47.7	48.1	44.0	43.8	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	42.9	43.2	43.3	42.7	-	-	-	-	-	-
142	Crushed and broken stone	43.3	44.3	44.6	43.4	-	-	-	-	-	-
	CONSTRUCTION	37.1	37.1	37.1	36.1	36.6	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	36.4	36.3	36.4	35.8	-	-	-	-	-	-
152	Residential building construction	35.9	35.5	35.9	35.1	-	-	-	-	-	-
153	Operative builders	35.5	34.0	37.7	37.7	-	-	-	-	-	-
154	Nonresidential building construction	36.8	37.1	36.9	36.3	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	40.6	40.6	40.1	39.1	-	-	-	-	-	-
161	Highway and street construction	40.1	39.7	40.8	38.3	-	-	-	-	-	-
162	Heavy construction, except highway	40.8	40.9	39.8	39.4	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	35.8	36.0	36.1	35.0	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	36.7	37.7	37.2	36.3	-	-	-	-	-	-
172	Painting, paper hanging, decorating	34.3	33.6	34.6	33.7	-	-	-	-	-	-
173	Electrical work	36.9	38.5	37.4	36.5	-	-	-	-	-	-
174	Masonry, stonework, and plastering	34.0	33.1	34.4	33.7	-	-	-	-	-	-
175	Carpentering and flooring	34.1	35.0	34.0	33.3	-	-	-	-	-	-
176	Roofing and sheet metal work	34.5	31.5	33.1	31.3	-	-	-	-	-	-
	MANUFACTURING	39.7	39.9	39.0	39.3	39.7	2.6	2.6	2.3	2.4	2.5
24, 25, 32-39	DURABLE GOODS	40.1	40.4	39.2	39.6	40.1	2.5	2.6	2.1	2.2	2.4
20-23, 26-31	NONDURABLE GOODS	39.1	39.2	38.7	38.9	39.1	2.8	2.7	2.7	2.5	2.6
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	37.7	38.1	38.4	38.7	38.9	2.2	2.1	2.4	2.4	-
241	Logging camps and logging contractors	38.2	37.2	38.5	39.1	-	3.7	2.8	2.8	3.0	-
242	Sawmills and planing mills	37.5	38.2	38.3	38.6	-	2.5	2.6	2.9	2.3	-
2421	Sawmills and planing mills, general	37.4	38.1	38.3	38.6	-	2.7	2.8	3.1	3.0	-
2426	Hardwood dimension and flooring	38.5	38.8	38.7	39.6	-	2.1	1.7	2.2	2.5	-
243	Millwork, plywood, and structural members	37.4	38.2	38.3	39.1	-	1.5	1.6	2.0	2.2	-
2431	Millwork	38.3	38.8	38.9	39.3	-	1.1	1.2	1.6	1.7	-
2434	Wood kitchen cabinets	37.0	37.3	37.4	38.4	-	1.3	1.2	1.1	1.6	-
2435	Hardwood veneer and plywood	38.7	39.7	37.9	38.2	-	2.2	2.1	2.2	2.4	-
2436	Softwood veneer and plywood	35.4	37.2	38.4	40.0	-	1.9	2.0	3.2	3.3	-
244	Wood containers	38.2	38.3	38.3	37.9	-	2.2	1.8	1.9	1.6	-
245	Wood buildings and mobile homes	35.1	35.0	37.6	37.2	-	.8	.7	1.6	1.4	-
2451	Mobile homes	35.2	35.9	37.5	37.1	-	.7	.8	1.6	1.4	-
249	Miscellaneous wood products	39.5	40.6	38.9	38.8	-	2.4	2.3	2.1	2.0	-
25	FURNITURE AND FIXTURES	38.1	38.9	38.1	38.1	38.4	1.5	1.8	1.7	1.7	-
251	Household furniture	37.5	38.3	37.6	37.4	-	1.3	1.5	1.4	1.4	-
2511	Wood household furniture	38.5	38.9	37.6	37.5	-	1.6	1.6	1.6	1.5	-
2512	Upholstered household furniture	36.2	37.6	36.9	36.9	-	.9	1.4	1.0	1.0	-
2514	Metal household furniture	38.7	39.0	39.8	39.8	-	1.7	1.7	2.0	1.6	-
2515	Mattresses and bedsprings	34.7	35.9	36.9	36.2	-	1.0	1.0	1.3	1.1	-
252	Office furniture	40.3	41.0	37.8	38.4	-	2.5	3.1	1.7	1.8	-
253	Public building and related furniture	39.7	41.5	40.1	41.2	-	1.7	3.5	2.5	2.0	-
254	Partitions and fixtures	38.4	39.0	39.3	39.0	-	1.9	2.0	2.5	2.6	-
259	Miscellaneous furniture and fixtures	39.3	39.6	39.5	40.1	-	1.1	1.6	1.8	2.0	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	\$345.87	\$343.26	\$367.02	\$367.02	\$362.40	\$8.54	\$8.56	\$9.04	\$9.04	\$9.06
321	Flat glass	467.60	468.83	474.71	499.27	-	11.16	11.27	11.55	11.72	-
322	Glass and glassware, pressed or blown	367.11	365.82	386.22	391.23	-	9.02	9.10	9.56	9.55	-
3221	Glass containers	384.34	383.13	404.56	406.81	-	9.42	9.46	9.94	10.72	-
3229	Pressed and blown glass, nec	343.85	343.54	356.61	364.61	-	8.49	8.61	8.96	9.07	-
323	Products of purchased glass	302.54	313.50	345.91	343.80	-	7.64	7.76	8.52	8.51	-
324	Cement, hydraulic	528.28	505.98	517.45	532.93	-	12.43	11.99	12.59	12.78	-
325	Structural clay products	277.20	276.61	284.71	287.45	-	6.93	6.95	7.10	7.08	-
326	Pottery and related products	270.28	271.93	284.97	257.04	-	6.86	7.10	7.46	7.52	-
327	Concrete, gypsum, and plaster products	341.09	337.28	372.96	359.10	-	8.36	8.39	8.88	8.78	-
3271	Concrete block and brick	314.16	311.36	349.16	342.50	-	7.48	7.65	7.99	8.04	-
3272	Concrete products, nec	310.50	311.40	325.31	320.12	-	7.50	7.54	7.82	7.77	-
3273	Ready-mixed concrete	366.56	356.51	408.78	379.25	-	9.21	9.26	9.85	9.65	-
329	Misc. nonmetallic mineral products	340.57	341.30	352.74	359.56	-	8.43	8.49	8.93	8.90	-
3291	Abrasive products	328.84	331.29	331.13	331.47	-	8.18	8.18	8.76	8.70	-
3292	Asbestos products	330.33	336.87	343.77	346.90	-	8.47	8.55	8.86	8.93	-
33	PRIMARY METAL INDUSTRIES	440.67	438.77	431.68	440.83	440.45	11.10	11.08	11.42	11.51	11.50
331	Blast furnace and basic steel products	510.90	502.57	495.31	507.01	-	13.10	13.02	13.57	13.74	-
3312	Blast furnaces and steel mills	526.30	518.37	514.79	525.25	-	13.67	13.57	14.26	14.43	-
3317	Steel pipe and tubes	430.95	425.95	408.96	426.89	-	10.46	10.44	10.65	10.73	-
332	Iron and steel foundries	356.71	358.16	347.85	356.96	-	9.17	9.16	9.53	9.57	-
3321	Gray iron foundries	362.39	361.14	352.32	360.75	-	9.34	9.26	9.60	9.62	-
3322	Malleable iron foundries	370.02	369.61	368.64	370.11	-	9.92	9.83	10.24	10.14	-
3325	Steel foundries, nec	343.09	354.52	331.94	349.16	-	8.73	8.93	9.43	9.54	-
333	Primary nonferrous metals	517.92	514.19	534.09	552.78	-	12.48	12.45	13.22	13.32	-
3334	Primary aluminum	537.95	534.60	572.42	580.99	-	13.25	13.20	14.03	14.24	-
335	Nonferrous rolling and drawing	408.46	408.36	415.36	423.63	-	9.89	9.96	10.41	10.45	-
3351	Copper rolling and drawing	348.02	349.25	342.77	360.12	-	8.53	8.56	8.88	8.77	-
3353	Aluminum sheet, plate, and foil	538.48	524.07	555.66	589.53	-	12.70	12.94	13.72	14.07	-
3357	Nonferrous wire drawing and insulating	378.81	379.35	380.49	380.65	-	9.15	9.23	9.56	9.54	-
336	Nonferrous foundries	328.03	333.74	330.96	337.51	-	8.16	8.18	8.53	8.61	-
3361	Aluminum foundries	336.91	344.42	337.08	345.74	-	8.36	8.38	8.71	8.92	-
34	FABRICATED METAL PRODUCTS	337.64	345.47	346.04	349.77	358.80	8.42	8.53	8.85	8.90	8.97
341	Metal cans and shipping containers	487.45	504.38	495.94	498.89	-	11.18	11.36	11.78	11.85	-
3411	Metal cans	509.08	534.36	519.29	522.28	-	11.57	11.77	12.19	12.26	-
342	Cutlery, hand tools, and hardware	312.84	317.99	323.31	327.21	-	7.94	8.03	8.29	8.39	-
3423, 5	Hand and edge tools, and hand saws and blades	299.81	305.27	310.79	312.34	-	7.59	7.67	8.01	8.05	-
3429	Hardware, nec	323.40	328.50	333.06	340.65	-	8.25	8.38	8.54	8.69	-
343	Plumbing and heating, except electric	291.39	293.28	314.73	314.81	-	7.51	7.52	8.07	7.99	-
3432	Plumbing fittings and brass goods	274.18	280.52	293.37	292.23	-	7.14	7.23	7.70	7.63	-
3433	Heating equipment, except electric	292.04	299.65	323.56	321.60	-	7.45	7.51	8.15	8.02	-
344	Fabricated structural metal products	335.76	346.47	342.70	346.02	-	8.27	8.43	8.72	8.75	-
3441	Fabricated structural metal	353.87	364.91	366.62	359.85	-	8.61	8.73	9.12	9.11	-
3442	Metal doors, sash, and trim	259.90	266.90	265.38	269.79	-	6.63	6.74	6.77	6.93	-
3443	Fabricated plate work (boiler shops)	378.07	385.90	383.55	397.01	-	9.11	9.21	9.86	9.95	-
3444	Sheet metal work	331.14	342.50	343.93	345.82	-	8.32	8.52	8.91	8.89	-
3446	Architectural metal work	327.47	334.96	355.01	352.87	-	7.76	7.90	8.68	8.67	-
345	Screw machine products, bolts, etc.	318.39	321.60	312.58	318.01	-	7.94	8.00	8.14	8.25	-
3451	Screw machine products	295.14	294.00	292.22	298.38	-	7.36	7.35	7.61	7.75	-
3452	Bolts, nuts, rivets, and washers	341.30	347.04	332.54	337.65	-	8.49	8.59	8.66	8.77	-
346	Metal forgings and stampings	378.02	382.88	382.96	392.03	-	9.57	9.62	9.87	9.95	-
3462	Iron and steel forgings	415.90	422.50	417.73	420.74	-	10.32	10.33	10.85	10.93	-
3465	Automotive stampings	444.48	451.09	444.26	462.44	-	11.31	11.42	11.45	11.53	-
3469	Metal stampings, nec	297.44	300.23	308.05	310.81	-	7.53	7.52	7.96	7.96	-
347	Metal services, nec	262.64	267.92	276.76	279.17	-	6.70	6.80	7.17	7.14	-
3471	Plating and polishing	261.19	266.34	271.81	275.97	-	6.68	6.76	7.06	7.04	-
3479	Metal coating and allied services	265.56	272.16	288.28	288.60	-	6.74	6.89	7.43	7.40	-
348	Ordinance and accessories, nec	345.20	358.44	368.80	375.47	-	8.63	8.70	9.22	9.34	-
3483	Ammunition, exc. for small arms, nec	311.65	319.50	346.32	347.09	-	7.87	7.85	8.53	8.57	-
349	Misc. fabricated metal products	316.79	325.60	321.26	324.48	-	8.02	8.14	8.41	8.45	-
3494	Valves and pipe fittings	340.85	345.77	336.14	342.00	-	8.50	8.58	8.94	9.03	-
3496	Misc. fabricated wire products	269.10	275.80	285.92	283.58	-	6.90	7.00	7.35	7.23	-
35	MACHINERY, EXCEPT ELECTRICAL	372.28	381.89	365.19	370.26	380.16	9.08	9.18	9.34	9.35	9.41
351	Engines and turbines	443.77	460.32	448.89	464.80	-	11.15	11.31	11.51	11.62	-
3511	Turbines and turbine generator sets	428.70	433.89	453.78	456.34	-	10.33	10.43	11.24	11.24	-
3519	Internal combustion engines, nec	449.26	471.11	445.41	469.26	-	11.49	11.69	11.66	11.85	-
352	Farm and garden machinery	391.45	403.44	405.86	397.26	-	9.91	10.06	10.38	10.15	-
3523	Farm machinery and equipment	409.22	425.17	425.57	417.49	-	10.36	10.55	10.94	10.76	-
353	Construction and related machinery	415.49	427.55	393.33	392.89	-	9.94	10.06	10.19	10.13	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	STONE, CLAY, AND GLASS PRODUCTS										
32	Flat glass	40.5	40.1	40.6	40.6	40.0	3.6	3.4	3.6	3.5	-
321	Glass and glassware, pressed or blown	41.9	41.6	41.1	42.6	-	3.0	2.9	3.1	3.5	-
322	Glass containers	40.7	40.2	40.4	40.5	-	4.2	4.2	3.8	3.9	-
3221	Pressed and blown glass, nec	40.8	40.5	40.7	40.6	-	5.0	4.9	4.6	4.7	-
3229	Products of purchased glass	40.5	39.9	39.8	40.2	-	3.2	3.2	2.5	2.4	-
323	Cement, hydraulic	39.6	40.4	40.6	40.4	-	2.4	2.9	3.1	3.4	-
324	Structural clay products	42.5	42.2	41.1	41.7	-	2.8	2.5	2.3	2.3	-
325	Pottery and related products	40.0	39.8	40.1	40.6	-	2.9	2.6	2.6	2.8	-
326	Concrete, gypsum, and plaster products	39.4	38.3	38.2	39.5	-	2.1	1.9	1.9	2.0	-
327	Concrete block and brick	40.8	40.2	42.0	40.9	-	4.6	4.1	5.2	4.7	-
3271	Concrete products, nec	42.0	40.7	43.7	42.6	-	4.5	3.7	5.9	5.2	-
3272	Ready-mixed concrete	41.4	41.3	41.6	41.2	-	4.5	4.1	4.2	3.9	-
3273	Misc. nonmetallic mineral products	39.8	38.5	41.5	39.3	-	4.7	4.0	5.6	4.7	-
329	Abrasive products	40.4	40.2	39.5	40.4	-	3.0	2.6	2.4	2.4	-
3291	Asbestos products	40.2	40.5	37.8	38.1	-	2.4	2.5	1.6	1.3	-
3292	Asbestos products	39.0	39.4	38.8	41.0	-	2.2	2.2	2.3	2.7	-
	PRIMARY METAL INDUSTRIES										
33	Blast furnace and basic steel products	39.7	39.6	37.8	38.3	38.3	2.4	2.3	1.8	1.8	-
331	Blast furnaces and steel mills	39.0	38.6	36.5	36.9	-	1.9	1.6	1.3	1.3	-
3312	Steel pipe and tubes	38.5	38.2	36.1	36.4	-	1.8	1.6	1.2	1.2	-
3317	Iron and steel foundries	41.2	40.8	38.4	39.6	-	2.6	2.5	2.1	2.9	-
332	Gray iron foundries	38.9	39.1	36.5	37.3	-	2.3	2.4	1.2	1.3	-
3321	Malleable iron foundries	38.8	39.0	36.7	37.5	-	2.4	2.4	1.2	1.3	-
3322	Steel foundries, nec	37.3	37.6	36.0	36.5	-	1.8	1.6	1.2	1.3	-
3325	Primary nonferrous metals	39.3	39.7	35.2	36.6	-	2.3	2.8	1.0	1.9	-
333	Primary aluminum	41.5	41.3	40.4	41.5	-	3.0	2.7	2.4	3.0	-
3334	Nonferrous rolling and drawing	40.6	40.5	40.8	40.8	-	3.1	2.9	2.8	2.7	-
335	Copper rolling and drawing	41.3	41.0	39.9	40.5	-	3.5	3.4	2.9	2.8	-
3351	Aluminum sheet, plate and foil	40.8	40.8	38.6	40.6	-	3.4	3.2	1.9	2.1	-
3353	Nonferrous wire drawing and insulating	42.4	40.5	40.5	41.9	-	4.0	3.7	4.5	4.3	-
3357	Nonferrous foundries	41.4	41.1	39.8	39.9	-	3.8	3.7	2.3	2.2	-
336	Aluminum foundries	40.2	40.8	38.8	39.2	-	2.3	2.4	1.9	2.1	-
3361	Aluminum foundries	40.3	41.1	38.7	39.2	-	2.5	2.7	1.9	2.1	-
	FABRICATED METAL PRODUCTS										
34	Metal cans and shipping containers	40.1	40.5	39.1	39.3	40.0	2.4	2.5	1.9	2.0	-
341	Metal cans	43.6	44.4	42.1	42.1	-	4.1	3.9	3.8	3.3	-
3411	Cutlery, hand tools, and hardware	44.0	45.4	42.6	42.6	-	4.1	4.0	4.0	4.9	-
342	Hardware, nec	39.4	39.6	39.0	39.0	-	1.7	1.8	1.4	1.2	-
3423, 5	Hand and edge tools, and hand saws and blades	39.5	39.8	38.8	38.8	-	1.8	1.9	1.4	1.4	-
3429	Plumbing and heating, except electric	39.2	39.2	39.0	39.2	-	1.5	1.5	1.3	1.3	-
343	Plumbing fittings and brass goods	38.8	39.0	39.0	39.4	-	1.4	1.5	1.4	1.5	-
3432	Heating equipment, except electric	38.4	38.8	38.1	38.3	-	1.0	1.1	.8	.7	-
3433	Fabricated structural metal products	39.2	39.9	39.7	40.1	-	1.7	2.1	2.0	2.3	-
344	Fabricated structural metal	40.6	41.1	39.3	39.5	-	2.7	2.9	2.2	2.2	-
3441	Metal doors, sash, and trim	41.1	41.8	40.2	39.5	-	2.9	3.3	2.7	2.4	-
3442	Fabricated plate work (boiler shops)	39.2	39.6	39.2	39.5	-	2.2	2.1	2.0	2.3	-
3443	Sheet metal work	41.5	41.9	38.9	39.9	-	3.3	3.6	2.2	2.4	-
3444	Architectural metal work	39.8	40.2	38.6	38.9	-	2.4	2.4	1.9	1.9	-
3446	Screw machine products, bolts, etc.	42.2	42.4	40.9	40.7	-	2.4	2.3	2.4	2.6	-
345	Bolts, nuts, rivets, and washers	40.1	40.2	38.4	38.5	-	2.4	2.2	1.3	1.3	-
3451	Metal forgings and stampings	40.1	40.0	38.4	38.5	-	2.5	2.4	1.5	1.3	-
3452	Iron and steel forgings	40.2	40.4	38.4	38.5	-	2.3	2.1	1.7	1.2	-
346	Automotive stampings	39.5	39.8	38.8	39.4	-	2.2	2.1	1.5	1.9	-
3462	Metal stampings, nec	40.3	40.9	38.5	38.6	-	2.7	2.9	1.5	1.5	-
3465	Metal services, nec	39.3	39.5	38.8	39.9	-	1.9	1.5	1.4	2.2	-
3469	Plating and polishing	39.5	39.4	38.7	38.9	-	2.2	2.3	1.6	1.7	-
347	Metal coating and allied services	39.2	39.4	38.6	39.1	-	2.4	2.5	2.2	2.4	-
3471	Ordnance and accessories, nec	39.1	39.4	38.5	39.2	-	2.5	2.6	2.2	2.3	-
3479	Ammunition, exc. for small arms, nec	39.4	39.5	38.8	39.0	-	2.0	2.4	2.4	2.6	-
348	Misc. fabricated metal products	40.0	41.2	40.0	40.2	-	2.6	2.8	2.1	2.4	-
3483	Valves and pipe fittings	39.6	40.7	40.6	40.5	-	2.3	1.9	1.8	1.9	-
349	Misc. fabricated wire products	39.5	40.0	38.2	38.4	-	2.4	2.6	1.4	1.4	-
3494	Misc. fabricated wire products	40.1	40.3	37.6	38.0	-	2.7	2.9	1.1	1.3	-
3496	Misc. fabricated wire products	39.0	39.4	38.9	38.9	-	1.9	1.9	1.8	1.3	-
	MACHINERY, EXCEPT ELECTRICAL										
35	Engines and turbines	41.0	41.6	39.1	39.6	40.4	3.0	3.3	1.9	2.0	-
351	Turbines and turbine generator sets	39.8	40.7	39.0	40.0	-	2.0	2.4	1.6	1.9	-
3511	Internal combustion engines, nec	41.5	41.6	40.3	40.6	-	3.7	3.7	3.3	3.2	-
3519	Farm and garden machinery	39.1	40.3	38.2	39.6	-	1.4	1.9	.6	1.2	-
352	Farm machinery and equipment	39.5	40.1	39.1	39.1	-	1.9	2.4	2.4	1.1	-
3523	Construction and related machinery	39.5	40.3	38.9	38.8	-	2.1	2.5	2.7	1.1	-
353	Construction and related machinery	41.8	42.5	38.6	38.9	-	3.5	3.8	1.5	1.6	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982†	Dec. 1982†	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982†	Dec. 1982†	
	MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	\$445.28	\$448.80	\$409.80	\$408.45	-	\$11.16	\$11.22	\$10.87	\$10.50	-	
3532	Mining machinery	396.79	411.46	405.96	428.25	-	10.02	10.21	10.49	10.75	-	
3533	Oil field machinery	438.26	453.42	411.08	409.51	-	9.59	9.73	10.46	10.43	-	
3535	Conveyers and conveying equipment	337.05	355.63	337.15	335.28	-	8.49	8.59	8.78	8.30	-	
3537	Industrial trucks and tractors	333.45	347.77	341.03	331.03	-	8.55	8.76	9.07	9.00	-	
354	Metalworking machinery	379.55	391.35	371.50	378.24	-	9.19	9.34	9.55	9.60	-	
3541	Machine tools, metal cutting types	394.25	408.79	362.85	367.78	-	9.50	9.71	9.86	9.95	-	
3542	Machine tools, metal forming types	383.57	382.98	384.62	388.08	-	9.76	9.82	9.99	10.03	-	
3544	Special dies, tools, jigs, and fixtures	406.39	421.71	402.19	412.90	-	9.63	9.83	10.08	10.17	-	
3545	Machine tool accessories	339.65	344.32	329.73	325.84	-	8.47	8.46	8.70	8.68	-	
3546	Power driven hand tools	298.05	320.74	292.92	295.21	-	7.47	7.71	7.53	7.65	-	
355	Special industry machinery	348.09	362.88	362.98	365.51	-	8.49	8.64	9.12	9.23	-	
3551	Food products machinery	355.77	378.64	376.60	375.32	-	8.85	9.09	9.51	9.55	-	
3552	Textile machinery	276.98	273.93	277.92	277.33	-	6.89	6.90	7.20	7.25	-	
3555	Printing trades machinery	368.03	388.89	385.91	396.32	-	8.68	8.94	9.46	9.31	-	
356	General industrial machinery	368.83	377.15	360.68	367.30	-	9.04	9.11	9.32	9.37	-	
3561	Pumps and pumping equipment	373.06	384.81	370.16	374.61	-	9.28	9.37	9.69	9.73	-	
3562	Ball and roller bearings	369.09	374.31	353.42	362.96	-	8.83	8.84	8.86	8.34	-	
3563	Air and gas compressors	399.07	422.26	407.68	424.50	-	9.57	9.82	10.40	10.43	-	
3564	Blowers and fans	336.15	341.53	341.04	349.36	-	8.30	8.33	8.70	8.30	-	
3566	Speed changers, drives, and gears	395.20	400.66	346.57	362.23	-	9.71	9.82	9.79	9.73	-	
3568	Power transmission equipment, nec	348.02	358.48	339.80	334.16	-	8.53	8.68	9.11	9.13	-	
357	Office and computing machines	321.86	327.89	330.89	340.27	-	7.70	7.77	8.13	8.15	-	
3573	Electronic computing equipment	324.10	331.27	328.85	339.39	-	7.68	7.74	8.06	8.13	-	
358	Refrigeration and service machinery	337.40	344.84	337.82	338.61	-	8.29	8.37	8.64	8.65	-	
3585	Refrigeration and heating equipment	334.67	343.76	348.77	350.34	-	8.43	8.53	8.92	9.06	-	
359	Misc. machinery, except electrical	353.10	354.38	349.58	355.41	-	8.74	8.75	9.08	9.15	-	
3592	Carburetors, pistons, rings, valves	417.20	414.16	391.13	389.61	-	10.43	10.38	10.43	10.23	-	
3599	Machinery, except electrical, nec	343.00	346.32	343.66	349.71	-	8.49	8.53	8.88	8.95	-	
36	ELECTRIC AND ELECTRONIC EQUIPMENT	311.63	319.16	326.09	331.85	\$340.09	7.83	7.99	8.34	8.38	\$8.46	
361	Electric distributing equipment	306.13	311.60	319.04	327.76	-	7.75	7.79	8.33	8.34	-	
3612	Transformers	299.02	310.54	321.21	326.67	-	7.57	7.63	8.30	8.27	-	
3613	Switchgear and switchboard apparatus	312.05	312.84	317.68	328.44	-	7.90	7.92	8.36	8.40	-	
362	Electrical industrial apparatus	323.61	330.08	323.64	327.79	-	8.07	8.13	8.45	8.47	-	
3621	Motors and generators	320.39	328.43	328.44	333.78	-	7.95	8.03	8.40	8.45	-	
3622	Industrial controls	322.79	331.71	311.78	315.12	-	8.09	8.15	8.27	8.24	-	
363	Household appliances	271.08	286.13	313.01	324.30	-	7.53	7.51	8.13	8.21	-	
3632	Household refrigerators and freezers	297.37	343.81	347.18	378.02	-	8.93	9.06	9.46	9.57	-	
3633	Household laundry equipment	312.56	345.40	377.80	382.08	-	9.22	9.26	9.99	9.95	-	
3634	Electric housewares and fans	235.22	230.25	256.36	272.49	-	6.19	6.14	6.49	6.53	-	
364	Electric lighting and wiring equipment	290.21	292.93	306.15	312.84	-	7.31	7.36	7.95	7.92	-	
3641	Electric lamps	338.25	339.47	364.80	374.10	-	8.25	8.30	9.12	9.08	-	
3643	Current-carrying wiring devices	276.61	282.71	280.36	286.30	-	6.95	7.05	7.22	7.35	-	
3644	Noncurrent-carrying wiring devices	296.65	301.55	313.50	315.36	-	7.51	7.52	8.08	8.17	-	
3645	Residential lighting fixtures	216.55	217.33	232.62	243.97	-	5.79	5.78	5.98	6.13	-	
365	Radio and TV receiving equipment	293.78	298.85	295.64	293.70	-	7.40	7.49	7.60	7.55	-	
3651	Radio and TV receiving sets	302.54	306.11	301.47	300.31	-	7.64	7.73	7.81	7.74	-	
366	Communication equipment	370.68	384.47	356.59	400.99	-	9.13	9.22	9.89	9.95	-	
3661	Telephone and telegraph apparatus	393.01	398.26	406.21	403.90	-	9.68	9.69	10.31	10.33	-	
3662	Radio and TV communication equipment	357.28	375.90	392.04	399.59	-	8.80	8.95	9.68	9.77	-	
367	Electronic components and accessories	271.48	276.86	288.90	293.78	-	6.77	6.87	7.37	7.40	-	
3671-3	Electronic tubes	344.21	356.34	372.53	377.59	-	8.52	8.67	9.29	9.33	-	
3674	Semiconductors and related devices	311.08	317.97	325.65	334.84	-	7.70	7.89	8.35	8.35	-	
3679	Electronic components, nec	256.14	261.12	274.11	276.40	-	6.34	6.40	6.87	6.91	-	
369	Misc. electrical equipment and supplies	355.59	352.29	338.30	342.94	-	8.78	8.72	8.63	8.65	-	
3691	Storage batteries	370.39	358.57	377.52	381.60	-	8.99	8.81	9.73	9.71	-	
3694	Engine electrical equipment	380.83	373.81	330.80	336.80	-	9.74	9.76	8.57	8.57	-	
37	TRANSPORTATION EQUIPMENT	438.19	445.46	457.65	466.80	\$481.12	10.74	10.76	11.30	11.33	11.51	
371	Motor vehicles and equipment	454.18	457.78	466.72	475.60	-	11.27	11.22	11.61	11.50	-	
3711	Motor vehicles and car bodies	515.57	512.73	523.50	543.71	-	12.73	12.66	12.99	13.07	-	
3713	Truck and bus bodies	370.46	376.24	338.69	339.46	-	9.08	9.11	8.87	8.84	-	
3714	Motor vehicle parts and accessories	423.96	432.96	440.48	445.94	-	10.52	10.56	10.93	10.93	-	
3715	Truck trailers	302.24	319.02	317.04	326.82	-	7.73	7.80	8.15	8.03	-	
372	Aircraft and parts	450.19	465.38	482.65	485.81	-	10.77	10.95	11.63	11.59	-	
3721	Aircraft	469.83	480.53	508.00	512.95	-	11.24	11.36	12.33	12.42	-	
3724	Aircraft engines and engine parts	437.38	460.37	466.99	471.86	-	10.72	11.04	11.39	11.37	-	
3728	Aircraft equipment, nec	423.29	439.19	453.90	463.74	-	9.89	9.95	10.63	10.71	-	
373	Ship and boat building and repairing	387.86	392.18	399.40	406.63	-	9.46	9.45	10.01	10.03	-	
3731	Shipbuilding and repairing	407.06	409.03	421.30	-	-	9.88	9.88	10.48	-	-	
3732	Boat building and repairing	315.15	324.43	303.38	303.40	-	7.82	7.78	7.88	7.95	-	
374	Railroad equipment	435.37	424.60	437.32	-	-	11.05	11.00	11.60	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ²	Dec. 1982 ²	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ²	Dec. 1982 ²
MACHINERY, EXCEPT ELECTRICAL—Continued											
3531	Construction machinery	39.9	40.0	37.7	38.9	-	1.8	2.0	1.3	1.2	-
3532	Mining machinery	39.6	40.3	38.7	39.8	-	2.1	2.3	1.0	1.6	-
3533	Oil field machinery	45.7	46.6	39.3	39.3	-	6.2	6.4	1.9	1.8	-
3535	Conveyers and conveying equipment	39.7	41.4	38.4	38.1	-	3.0	3.6	1.4	1.5	-
3537	Industrial trucks and tractors	39.0	39.7	37.6	36.7	-	2.3	2.3	1.2	1.3	-
354	Metalworking machinery	41.3	41.9	38.9	39.4	-	3.8	4.0	2.2	2.5	-
3541	Machine tools, metal cutting types	41.5	42.1	36.8	37.3	-	4.0	4.3	1.2	1.3	-
3542	Machine tools, metal forming types	39.3	39.0	38.5	38.5	-	3.1	3.0	1.0	1.5	-
3544	Special dies, tools, jigs, and fixtures	42.2	42.9	39.9	40.6	-	4.6	4.8	3.1	3.6	-
3545	Machine tool accessories	40.1	40.7	37.9	38.0	-	3.0	3.0	1.2	1.2	-
3546	Power driven hand tools	39.9	41.6	38.9	39.1	-	2.1	2.3	2.3	2.0	-
355	Special industry machinery	41.0	42.0	39.8	39.6	-	2.7	3.4	2.1	2.1	-
3551	Food products machinery	40.2	41.7	39.6	39.3	-	2.2	3.2	2.4	2.1	-
3552	Textile machinery	40.2	39.7	38.6	38.2	-	2.0	1.8	1.5	1.5	-
3555	Printing trades machinery	42.4	43.5	40.9	40.4	-	3.5	4.9	2.5	2.7	-
356	General industrial machinery	40.8	41.4	38.7	39.2	-	2.8	3.2	1.5	1.5	-
3561	Pumps and pumping equipment	40.2	41.2	38.2	38.5	-	2.8	3.5	1.2	1.2	-
3562	Ball and roller bearings	41.8	42.2	39.8	40.6	-	3.1	3.7	1.8	2.3	-
3563	Air and gas compressors	41.7	43.0	39.2	40.7	-	3.3	4.3	2.0	2.3	-
3564	Blowers and fans	40.5	41.0	39.2	39.7	-	3.2	3.0	1.7	1.6	-
3566	Speed changers, drives, and gears	40.7	40.8	35.4	37.0	-	2.7	2.9	.7	.5	-
3568	Power transmission equipment, nec	40.8	41.3	37.3	36.6	-	2.1	2.6	1.0	.7	-
357	Office and computing machines	41.8	42.2	40.7	41.7	-	3.1	3.2	2.1	2.5	-
3573	Electronic computing equipment	42.2	42.8	40.8	41.9	-	3.4	3.6	2.3	2.7	-
358	Refrigeration and service machinery	40.7	41.2	39.1	39.1	-	2.1	2.0	1.6	1.6	-
3585	Refrigeration and heating equipment	39.7	40.3	39.1	39.1	-	1.7	1.9	1.4	1.4	-
359	Misc. machinery, except electrical	40.4	40.5	38.5	38.8	-	3.2	3.4	1.9	2.1	-
3592	Carburetors, pistons, rings, valves	40.0	39.9	37.5	37.9	-	1.7	1.8	1.2	.5	-
3599	Machinery, except electrical, nec	40.4	40.6	38.7	38.9	-	3.4	3.6	2.0	2.3	-
ELECTRIC AND ELECTRONIC EQUIPMENT											
36	Electric distributing equipment	39.8	40.4	39.1	39.6	40.2	2.1	2.3	1.8	1.9	-
361	Transformers	39.5	40.0	38.3	39.3	-	2.2	2.4	1.6	1.8	-
3612	Switchgear and switchboard apparatus	39.5	40.7	38.7	39.5	-	2.2	2.9	1.8	1.7	-
3613	Electrical industrial apparatus	39.5	39.5	38.0	39.1	-	2.2	2.0	1.5	1.3	-
362	Motors and generators	40.1	40.6	38.3	38.7	-	2.2	2.4	1.4	1.5	-
3621	Industrial controls	40.3	40.9	39.1	39.5	-	2.2	2.4	1.5	1.5	-
3622	Household appliances	39.9	40.7	37.7	38.0	-	2.1	2.7	1.3	1.2	-
363	Household refrigerators and freezers	36.0	38.1	38.5	39.5	-	1.3	1.3	1.7	2.0	-
3632	Household laundry equipment	33.3	38.5	36.7	39.5	-	.5	.5	1.2	1.1	-
3633	Electric housewares and fans	33.9	37.3	38.2	38.4	-	.3	.5	.9	.5	-
3634	Electric lighting and wiring equipment	38.0	37.5	39.5	41.1	-	1.6	1.5	2.3	3.3	-
364	Electric lamps	39.7	39.8	39.0	39.6	-	2.1	1.9	1.4	1.8	-
3641	Current-carrying wiring devices	41.0	40.9	40.0	41.2	-	2.0	2.1	1.5	1.5	-
3643	Noncurrent-carrying wiring devices	39.8	40.1	38.3	38.9	-	2.4	2.3	1.4	1.9	-
3644	Residential lighting fixtures	39.5	40.1	38.8	38.6	-	2.6	1.8	1.5	1.3	-
3645	Radio and TV receiving equipment	37.4	37.6	38.9	39.8	-	1.4	1.3	1.4	2.2	-
365	Radio and TV receiving sets	39.7	39.9	38.9	38.9	-	1.3	1.3	1.4	1.4	-
3651	Communication equipment	39.6	39.6	38.6	38.8	-	1.6	1.5	1.1	1.0	-
366	Telephone and telegraph apparatus	40.6	41.7	40.1	40.3	-	2.6	2.8	2.1	2.2	-
3661	Radio and TV communication equipment	40.6	41.1	39.4	39.1	-	2.8	2.9	1.7	1.7	-
3662	Electronic components and accessories	40.6	42.0	40.5	40.9	-	2.5	2.7	2.3	2.4	-
367	Electronic tubes	40.1	40.3	39.2	39.7	-	2.3	2.4	2.0	2.0	-
3671-3	Semiconductors and related devices	40.4	41.1	40.1	40.6	-	2.0	2.1	1.7	1.9	-
3674	Electronic components, nec	40.4	40.3	39.0	40.1	-	2.3	2.4	2.3	2.4	-
3679	Misc. electrical equipment and supplies	40.4	40.8	39.9	40.0	-	2.5	2.7	2.0	2.0	-
369	Storage batteries	40.5	40.4	39.2	39.6	-	2.0	2.0	1.7	1.7	-
3691	Engine electrical equipment	41.2	40.7	38.8	39.3	-	2.4	1.9	2.2	2.2	-
3694	Engine electrical equipment	39.1	38.3	38.6	39.3	-	1.4	1.5	1.4	1.5	-
TRANSPORTATION EQUIPMENT											
37	Motor vehicles and equipment	40.8	41.4	40.5	41.2	41.8	2.8	2.8	2.6	2.9	-
371	Motor vehicles and car bodies	40.3	40.8	40.2	41.0	-	2.1	1.8	2.0	2.6	-
3711	Truck and bus bodies	40.5	40.5	40.3	41.6	-	2.1	1.5	2.3	3.3	-
3713	Motor vehicle parts and accessories	40.8	41.3	38.4	38.4	-	2.7	1.9	.5	.9	-
3714	Truck trailers	40.3	41.0	40.3	40.8	-	2.1	2.0	1.9	2.2	-
3715	Aircraft and parts	39.1	40.9	38.9	40.7	-	1.5	2.4	1.5	1.9	-
372	Aircraft	41.8	42.5	41.5	41.9	-	3.5	4.1	3.6	3.6	-
3721	Aircraft engines and engine parts	41.8	42.3	41.2	41.3	-	3.0	3.4	2.9	2.8	-
3724	Aircraft equipment, nec	40.8	41.7	41.0	41.5	-	2.7	4.4	4.0	4.4	-
373	Ship and boat building and repairing	42.8	43.7	42.7	43.3	-	4.4	5.3	4.3	4.3	-
3731	Ship building and repairing	41.0	41.5	39.9	40.3	-	3.4	3.1	2.7	2.3	-
3732	Boat building and repairing	41.2	41.4	40.2	-	-	3.4	3.1	2.9	-	-
374	Railroad equipment	40.3	41.7	38.5	38.6	-	3.4	3.2	2.0	1.1	-
374	Railroad equipment	39.4	38.6	37.7	-	-	2.3	2.1	1.6	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	TRANSPORTATION EQUIPMENT—Continued										
376	Guided missiles, space vehicles, parts	\$434.89	\$447.53	\$459.50	\$463.19	-	\$10.53	\$10.58	\$11.29	\$11.45	-
3761	Guided missiles and space vehicles	447.84	463.01	475.04	502.24	-	10.87	10.92	11.53	11.69	-
379	Miscellaneous transportation equipment	332.05	365.06	364.17	410.44	-	8.26	8.47	9.41	9.89	-
3792	Travel trailers and campers	263.90	274.90	296.91	313.53	-	7.23	7.37	7.96	8.05	-
38	INSTRUMENTS AND RELATED PRODUCTS	313.34	317.87	334.96	341.94	\$352.97	7.68	7.81	8.48	8.57	18.62
381	Engineering and scientific instruments	331.68	344.39	349.40	357.28	-	8.07	8.18	8.67	8.37	-
382	Measuring and controlling devices	311.60	307.49	348.88	361.49	-	7.60	7.63	8.90	9.05	-
3822	Environmental controls	279.74	288.22	304.10	314.38	-	7.10	7.26	7.94	8.07	-
3823	Process control instruments	336.61	343.39	325.31	337.77	-	7.81	7.84	8.32	8.34	-
3825	Instruments to measure electricity	320.74	303.80	398.19	412.73	-	7.90	7.95	10.03	10.37	-
383	Optical instruments and lenses	334.95	347.34	347.38	350.88	-	8.25	8.27	8.75	8.75	-
384	Medical instruments and supplies	270.12	272.83	276.05	284.57	-	6.77	6.77	7.06	7.15	-
3841	Surgical and medical instruments	273.10	277.16	283.38	286.94	-	6.76	6.76	7.12	7.12	-
3842	Surgical appliances and supplies	268.49	269.68	273.47	286.16	-	6.78	6.81	7.03	7.19	-
385	Ophthalmic goods	230.66	228.93	234.84	237.78	-	5.81	5.84	6.18	6.15	-
386	Photographic equipment and supplies	418.62	441.84	439.52	430.00	-	9.92	10.52	10.72	10.75	-
387	Watches, clocks, and watchcases	231.08	229.70	242.96	245.12	-	5.88	5.92	6.12	6.19	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	241.35	242.03	253.50	255.32	258.57	6.11	6.19	6.50	6.53	6.63
391	Jewelry, silverware, and plated ware	268.52	262.25	274.43	277.20	-	6.63	6.69	6.93	6.93	-
3911	Jewelry, precious metal	271.75	265.88	272.53	275.92	-	6.76	6.80	6.97	6.95	-
393	Musical instruments	237.12	238.62	259.89	260.95	-	6.08	6.15	6.53	6.54	-
394	Toys and sporting goods	224.19	224.43	233.14	236.90	-	5.69	5.74	6.04	6.08	-
3942, 4	Dolls, games, toys, and children's vehicles	206.12	199.88	214.86	221.18	-	5.34	5.26	5.61	5.73	-
3949	Sporting and athletic goods, nec	242.41	244.19	250.65	251.27	-	6.03	6.12	6.46	6.41	-
395	Pens, pencils, office and art supplies	256.85	258.71	268.37	269.21	-	6.28	6.31	6.76	6.85	-
396	Costume jewelry and notions	208.68	202.92	210.60	214.23	-	5.23	5.34	5.47	5.55	-
3961	Costume jewelry	193.03	179.71	194.56	201.76	-	4.85	4.91	5.12	5.20	-
399	Miscellaneous manufactures	253.22	258.57	271.13	270.82	-	6.56	6.63	6.97	6.98	-
3993	Signs and advertising displays	275.41	278.46	299.90	299.52	-	7.08	7.14	7.67	7.63	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	302.88	309.87	312.84	318.00	319.59	7.61	7.67	7.88	7.99	8.05
201	Meat products	304.00	306.36	295.02	300.89	-	7.60	7.64	7.45	7.56	-
2011	Meat packing plants	390.64	385.06	372.54	380.88	-	9.17	9.19	8.87	9.92	-
2013	Sausages and other prepared meats	350.76	366.46	354.02	366.11	-	8.88	8.96	8.94	9.13	-
2016	Poultry dressing plants	186.00	190.51	190.32	190.84	-	5.00	5.04	5.13	5.20	-
202	Dairy products	323.75	322.09	334.94	340.27	-	7.82	7.78	8.27	8.34	-
2022	Cheese, natural and processed	298.62	289.74	306.13	307.33	-	7.41	7.28	7.89	7.86	-
2026	Fluid milk	340.23	338.58	350.22	356.49	-	8.12	8.10	8.48	8.59	-
203	Preserved fruits and vegetables	249.72	267.06	269.97	267.19	-	6.52	6.71	6.94	6.94	-
2032	Canned specialties	336.80	337.34	356.15	336.60	-	7.62	7.53	8.50	8.25	-
2033	Canned fruits and vegetables	233.36	265.16	264.52	261.51	-	6.29	6.73	6.80	6.74	-
2037	Frozen fruits and vegetables	238.64	242.69	256.11	249.72	-	6.33	6.32	6.55	6.52	-
204	Grain mill products	363.38	375.40	399.71	404.86	-	8.51	8.61	9.21	9.35	-
2041	Flour and other grain mill products	378.16	396.46	418.39	422.81	-	8.46	8.55	9.36	9.48	-
2048	Prepared feeds, nec	297.30	301.71	315.52	319.99	-	6.93	6.97	7.27	7.39	-
205	Bakery products	308.99	311.81	325.28	332.35	-	8.11	8.12	8.56	8.61	-
2051	Bread, cake, and related products	311.98	314.00	324.49	328.48	-	8.21	8.22	8.63	8.60	-
2052	Cookies and crackers	301.82	306.15	326.82	343.13	-	7.86	7.85	8.38	8.41	-
206	Sugar and confectionery products	293.35	294.99	314.71	321.36	-	7.19	7.16	7.62	7.30	-
2061-3	Cane and beet sugar	351.85	352.72	370.88	407.48	-	8.07	7.98	8.41	8.32	-
2065	Confectionery products	246.63	247.35	266.74	258.61	-	6.34	6.31	6.77	6.77	-
207	Fats and oils	343.77	344.54	358.34	369.15	-	7.76	7.76	8.20	8.24	-
208	Beverages	379.76	387.92	395.20	399.80	-	9.40	9.37	9.88	10.12	-
2082	Malt beverages	553.41	554.55	551.26	561.88	-	12.90	12.69	13.38	13.41	-
2086	Bottled and canned soft drinks	268.50	279.00	285.53	288.00	-	6.92	7.01	7.34	7.50	-
209	Misc. foods and kindred products	252.50	256.51	258.17	260.77	-	6.68	6.68	6.94	7.01	-
21	TOBACCO MANUFACTURES	350.75	341.38	370.50	386.08	376.88	9.04	8.96	9.50	10.15	10.05
211	Cigarettes	445.50	410.30	465.88	468.71	-	11.25	11.00	12.26	12.27	-
22	TEXTILE MILL PRODUCTS	224.62	220.79	227.17	230.88	235.41	5.73	5.72	5.87	5.92	5.99
221	Weaving mills, cotton	239.99	233.05	238.55	243.36	-	5.97	5.93	6.07	6.13	-
222	Weaving mills, synthetics	250.71	237.98	246.31	247.04	-	6.10	6.04	6.22	6.27	-
223	Weaving and finishing mills, wool	242.13	238.32	233.98	245.94	-	5.92	5.87	6.19	6.29	-
224	Narrow fabric mills	208.43	210.01	214.86	216.03	-	5.29	5.29	5.61	5.67	-
225	Knitting mills	197.78	194.46	204.54	205.84	-	5.26	5.27	5.44	5.46	-

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. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	41.3	42.3	40.7	42.2	-	3.2	3.6	3.5	3.3	-
3761	Guided missiles and space vehicles	41.2	42.4	41.2	43.0	-	2.9	3.2	3.7	4.2	-
379	Miscellaneous transportation equipment	40.2	43.1	38.7	41.5	-	2.6	3.1	2.2	4.1	-
3792	Travel trailers and campers	36.5	37.3	37.3	38.9	-	1.0	1.4	2.0	1.7	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.8	40.7	39.5	39.9	40.9	2.3	2.3	1.5	1.7	-
381	Measuring and controlling devices	41.1	42.1	40.3	40.6	-	2.7	3.1	2.1	2.2	-
382	Environmental controls	41.0	40.3	39.2	39.9	-	2.1	2.1	1.0	1.1	-
3822	Process control instruments	39.4	39.7	38.3	39.2	-	1.4	1.6	.9	1.2	-
3823	Instruments to measure electricity	43.1	43.8	39.1	40.5	-	3.1	3.1	1.0	1.2	-
3825	Optical instruments and lenses	40.6	38.7	39.7	39.8	-	1.9	1.7	.9	.8	-
383	Medical instruments and supplies	40.6	42.0	39.7	40.1	-	2.4	2.8	1.7	1.5	-
384	Surgical and medical instruments	39.9	40.3	39.1	39.8	-	2.3	2.5	1.7	2.0	-
3841	Surgical appliances and supplies	40.4	41.0	39.8	40.3	-	2.3	2.6	1.9	2.1	-
3842	Ophthalmic goods	39.6	39.6	38.9	39.8	-	2.6	2.5	1.5	2.2	-
385	Photographic equipment and supplies	39.7	39.2	38.0	38.6	-	1.4	1.2	1.1	1.4	-
386	Watches, clocks, and watchcases	42.2	42.0	41.0	40.0	-	2.7	2.7	2.2	2.2	-
387	Signs and advertising displays	39.3	38.8	39.7	39.6	-	1.6	1.3	2.4	2.4	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	39.5	39.1	39.0	39.1	39.0	2.3	2.0	1.9	2.1	-
391	Jewelry, precious metal	40.5	39.2	39.6	40.0	-	3.3	2.5	2.4	2.8	-
3911	Musical instruments	40.2	39.1	39.1	39.7	-	3.7	2.9	2.4	3.0	-
393	Toys and sporting goods	39.0	38.8	39.8	39.9	-	1.4	1.4	1.5	1.5	-
394	Dolls, games, toys, and children's vehicles	39.4	39.1	38.6	38.9	-	2.0	1.6	1.4	1.4	-
3942, 4	Sporting and athletic goods, nec	38.6	38.0	38.3	38.6	-	1.7	.9	1.0	1.2	-
3949	Pens, pencils, office and art supplies	40.2	39.9	38.8	39.2	-	2.3	2.3	1.9	1.7	-
395	Costume jewelry and notions	40.9	41.0	39.7	39.3	-	2.3	2.1	1.2	1.4	-
396	Costume jewelry	39.9	38.0	38.5	38.6	-	3.3	2.4	2.5	3.8	-
3961	Miscellaneous manufactures	39.8	36.6	38.0	38.8	-	4.1	2.2	3.1	5.7	-
399	Signs and advertising displays	38.6	39.0	38.9	38.8	-	1.8	1.9	2.1	1.9	-
3993	Signs and advertising displays	38.9	39.0	39.1	39.0	-	2.2	2.4	2.1	1.9	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.8	40.4	39.7	39.8	39.7	3.8	3.7	3.8	3.6	-
201	Meat packing plants	40.0	40.1	39.6	39.8	-	4.2	4.0	3.7	3.8	-
2011	Sausages and other prepared meats	42.6	41.9	42.0	42.7	-	5.6	5.2	4.8	4.7	-
2013	Poultry dressing plants	39.5	40.9	39.6	40.1	-	3.7	3.8	3.4	3.5	-
2016	Dairy products	37.2	37.8	37.1	36.7	-	2.8	2.8	2.7	3.1	-
202	Cheese, natural and processed	41.4	41.4	40.5	40.8	-	3.8	3.8	3.5	3.7	-
2022	Fluid milk	40.3	39.8	38.8	39.1	-	3.5	3.2	3.1	3.5	-
2026	Preserved fruits and vegetables	41.9	41.8	41.3	41.5	-	4.2	3.9	3.9	3.9	-
203	Canned specialties	38.3	35.8	38.9	38.5	-	2.8	3.0	4.3	3.1	-
2032	Canned fruits and vegetables	44.2	44.8	41.9	40.8	-	4.9	4.5	6.7	4.0	-
2033	Frozen fruits and vegetables	37.1	39.4	38.9	38.8	-	2.6	2.7	4.6	3.3	-
2037	Grain mill products	37.7	38.4	39.1	38.3	-	2.6	2.9	4.4	3.1	-
204	Flour and other grain mill products	42.7	43.6	43.4	43.3	-	5.2	5.3	5.7	5.1	-
2041	Prepared feeds, nec	44.7	45.2	44.7	44.6	-	5.2	5.1	6.9	5.9	-
2048	Bakery products	42.9	43.6	43.4	43.3	-	5.5	5.8	5.4	5.1	-
205	Bread, cake, and related products	38.1	38.4	38.0	38.6	-	3.0	3.0	2.9	3.1	-
2051	Cookies and crackers	38.0	38.2	37.6	37.8	-	3.4	3.3	2.9	3.2	-
2052	Sugar and confectionery products	38.4	39.0	39.0	40.8	-	2.1	2.2	2.8	3.0	-
206	Cane and beet sugar	40.8	41.2	41.3	41.2	-	3.5	3.2	3.9	3.7	-
2061-3	Confectionery products	43.6	44.2	44.1	46.2	-	5.4	4.7	6.4	7.5	-
2065	Fats and oils	38.9	39.2	39.4	38.2	-	2.7	2.4	2.5	1.7	-
207	Beverages	44.3	44.4	43.7	44.8	-	6.6	6.1	5.7	6.2	-
208	Malt beverages	40.4	41.4	40.0	39.9	-	3.9	3.9	3.6	3.3	-
2082	Bottled and canned soft drinks	42.9	43.7	41.2	41.9	-	6.7	5.9	4.8	5.3	-
2086	Misc. foods and kindred products	38.8	39.8	38.9	38.4	-	3.0	3.3	2.7	2.5	-
209	Cigarettes	37.8	38.4	37.2	37.2	-	3.2	2.8	2.8	2.8	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.8	38.1	39.0	38.0	37.5	2.2	1.3	1.8	1.5	-
211	Cigarettes	39.6	37.3	38.0	38.2	-	2.7	1.1	1.4	1.5	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	39.2	38.6	38.7	39.0	39.3	2.8	2.4	2.4	2.5	-
221	Weaving mills, synthetics	40.2	39.3	39.3	39.7	-	3.1	2.7	2.8	3.1	-
222	Weaving and finishing mills, wool	41.1	39.4	39.6	39.4	-	3.6	2.7	2.2	2.4	-
223	Narrow fabric mills	40.9	40.6	37.8	39.1	-	4.2	3.6	2.8	3.2	-
224	Knitting mills	39.4	39.7	38.3	38.1	-	2.8	2.2	1.5	1.3	-
225	Knitting mills	37.6	36.9	37.6	37.7	-	2.0	1.8	2.2	2.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$193.17	\$195.07	\$198.00	\$204.06	-	\$5.07	\$5.08	\$5.28	\$5.37	-
2252	Hosiery, nec	180.31	171.47	199.88	197.55	-	4.94	4.97	5.26	5.24	-
2253	Knit outerwear mills	194.91	191.44	156.10	155.41	-	5.17	5.16	5.30	5.31	-
2254	Knit underwear mills	179.99	172.37	187.76	195.75	-	5.07	5.04	5.23	5.22	-
2257	Circular knit fabric mills	234.24	228.51	238.20	238.16	-	5.93	5.92	6.00	6.06	-
226	Textile finishing, except wool	247.23	249.27	245.23	255.10	-	6.15	6.17	6.24	6.30	-
2261	Finishing plants, cotton	244.77	245.57	242.58	254.52	-	6.15	6.17	6.22	6.30	-
2262	Finishing plants, synthetics	263.57	264.92	253.36	260.13	-	6.46	6.43	6.53	6.57	-
227	Floor covering mills	225.38	223.82	238.99	247.04	-	5.90	5.89	6.02	6.04	-
228	Yarn and thread mills	203.68	203.14	211.97	216.67	-	5.36	5.36	5.52	5.57	-
2281	Yarn mills, except wool	203.36	202.83	211.85	217.17	-	5.38	5.38	5.46	5.54	-
2282	Throwing and winding mills	196.61	198.28	199.66	200.88	-	5.12	5.15	5.47	5.40	-
229	Miscellaneous textile goods	257.07	253.71	264.11	264.66	-	6.27	6.28	6.57	6.50	-
APPAREL AND OTHER TEXTILE PRODUCTS											
23		180.43	178.92	183.21	184.62	\$186.20	5.04	5.04	5.19	5.23	\$5.26
231	Men's and boys' suits and coats	214.33	212.94	211.32	210.98	-	5.84	5.85	6.09	6.03	-
232	Men's and boys' furnishings	168.80	167.29	170.77	173.52	-	4.65	4.66	4.77	4.82	-
2321	Men's and boys' shirts and nightwear	166.35	165.62	162.62	164.93	-	4.57	4.55	4.62	4.62	-
2327	Men's and boys' separate trousers	175.01	171.23	173.88	176.89	-	4.73	4.73	4.83	4.83	-
2328	Men's and boys' work clothing	166.35	165.60	172.20	175.21	-	4.57	4.60	4.77	4.77	-
233	Women's and misses' outerwear	168.67	167.00	171.31	172.31	-	5.02	5.00	5.16	5.19	-
2331	Women's and misses' blouses and waists	160.35	159.26	166.55	167.17	-	4.73	4.74	4.77	4.79	-
2335	Women's and misses' dresses	166.02	165.19	169.39	171.20	-	5.14	5.13	5.31	5.35	-
2337	Women's and misses' suits and coats	183.26	177.23	182.79	189.09	-	5.52	5.47	5.73	5.73	-
2339	Women's and misses' outerwear, nec	167.95	168.22	169.82	169.51	-	4.84	4.82	4.98	5.03	-
234	Women's and children's undergarments	168.63	164.58	174.58	170.05	-	4.62	4.61	4.77	4.75	-
2341	Women's and children's underwear	166.08	161.62	173.33	167.08	-	4.55	4.54	4.71	4.63	-
2342	Brassieres and allied garments	179.82	176.27	182.58	184.91	-	4.94	4.91	5.10	5.06	-
236	Children's outerwear	169.82	169.62	169.31	167.68	-	4.64	4.66	4.69	4.71	-
2361	Children's dresses and blouses	165.24	164.58	169.31	166.85	-	4.59	4.61	4.69	4.70	-
238	Misc. apparel and accessories	190.38	185.74	191.10	190.69	-	5.01	5.02	5.25	5.21	-
239	Misc. fabricated textile products	223.30	221.18	231.21	234.52	-	5.80	5.76	5.99	6.06	-
2391	Curtains and draperies	160.92	165.07	171.55	169.52	-	4.47	4.51	4.70	4.57	-
2392	House furnishing, nec	198.86	195.28	209.20	211.20	-	5.06	5.02	5.23	5.28	-
2396	Automotive and apparel trimmings	393.57	390.53	408.75	424.85	-	10.04	10.25	10.27	10.49	-
PAPER AND ALLIED PRODUCTS											
26		376.05	382.59	397.82	402.78	406.50	8.89	8.95	9.54	9.59	9.61
261, 2, 6	Paper and pulp mills	462.17	464.42	492.75	497.01	-	10.48	10.46	11.25	11.27	-
262	Paper mills, except building paper	466.82	471.57	497.28	501.96	-	10.42	10.41	11.29	11.23	-
263	Paperboard mills	462.61	476.50	470.09	474.71	-	10.49	10.66	11.41	11.55	-
264	Misc. converted paper products	322.64	331.10	338.58	345.24	-	7.65	7.94	8.36	8.40	-
2641	Paper coating and glazing	384.07	394.71	399.42	406.08	-	8.87	8.93	9.51	9.51	-
2642	Envelopes	295.71	303.05	311.89	318.01	-	7.23	7.32	7.72	7.70	-
2643	Bags, except textile bags	306.27	312.28	318.61	323.70	-	7.38	7.40	7.79	7.80	-
265	Paperboard containers and boxes	316.11	323.79	341.52	344.40	-	7.71	7.84	8.35	8.40	-
2651	Folding paperboard boxes	324.90	338.35	342.15	347.39	-	7.81	7.98	8.49	8.52	-
2653	Corrugated and solid fiber boxes	331.28	335.38	365.40	363.17	-	8.08	8.20	8.70	8.73	-
2654	Sanitary food containers	303.26	313.96	321.60	336.07	-	7.29	7.37	8.02	8.04	-
PRINTING AND PUBLISHING											
27		314.07	321.39	323.19	332.34	340.96	8.42	8.48	8.87	8.91	8.97
271	Newspapers	287.24	294.40	296.48	299.60	-	8.60	8.71	8.93	8.97	-
272	Periodicals	300.95	315.76	341.46	339.43	-	8.09	8.38	9.13	9.10	-
273	Books	298.36	304.19	317.30	321.09	-	7.79	7.84	8.35	8.34	-
2731	Book publishing	284.64	292.61	294.70	301.55	-	7.55	7.64	8.03	8.12	-
2732	Book printing	313.15	316.37	344.92	344.05	-	8.05	8.05	8.71	8.71	-
274	Miscellaneous publishing	273.92	306.14	293.67	294.58	-	7.63	7.77	8.09	8.16	-
275	Commercial printing	335.72	339.99	352.66	354.35	-	8.72	8.74	9.16	9.18	-
2751	Commercial printing, letterpress	311.33	313.39	329.57	327.94	-	8.15	8.14	8.65	8.63	-
2752	Commercial printing, lithographic	345.86	351.51	360.52	362.78	-	8.96	8.99	9.34	9.35	-
276	Manifold business forms	342.31	360.80	351.16	374.10	-	8.39	8.57	8.89	9.03	-
278	Blankbooks and bookbinding	249.48	257.28	261.13	266.11	-	6.43	6.53	6.89	6.93	-
279	Printing trade services	398.86	403.10	407.11	411.86	-	10.36	10.47	10.77	10.81	-
CHEMICALS AND ALLIED PRODUCTS											
28		391.87	398.35	417.79	420.65	427.87	9.42	9.53	10.24	10.26	10.26
281	Industrial inorganic chemicals	438.84	447.20	451.73	454.80	-	10.60	10.75	11.35	11.37	-
2819	Industrial inorganic chemicals, nec	438.54	448.28	456.62	457.38	-	10.67	10.75	11.56	11.55	-
282	Plastics materials and synthetics	386.32	390.62	415.34	415.34	-	9.22	9.39	10.23	10.18	-
2821	Plastics materials and resins	431.00	426.38	457.88	459.38	-	10.07	10.08	11.06	10.95	-
2824	Organic fibers, noncellulosic	361.57	370.87	389.60	392.04	-	8.65	8.98	9.74	9.69	-
283	Drugs	360.26	366.69	383.38	390.52	-	8.66	8.71	9.32	9.41	-
2834	Pharmaceutical preparations	341.12	345.68	366.62	374.83	-	8.32	8.37	9.03	9.12	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	38.1	38.4	37.5	38.0	-	2.4	2.8	1.7	2.3	-
2252	Hosiery, nec	36.5	34.5	38.0	37.7	-	1.6	1.0	2.3	2.1	-
2253	Knit outerwear mills	37.7	37.1	37.0	36.8	-	2.0	1.8	2.3	2.1	-
2254	Knit underwear mills	35.5	34.2	35.9	37.5	-	1.2	.8	1.3	1.9	-
2257	Circular knit fabric mills	39.5	38.6	39.7	39.3	-	2.8	2.1	3.3	3.7	-
226	Textile finishing, except wool	40.2	40.4	39.3	40.3	-	3.5	3.4	2.7	3.1	-
2261	Finishing plants, cotton	39.8	39.8	39.0	40.4	-	3.0	3.0	2.4	3.2	-
2262	Finishing plants, synthetics	40.8	41.2	38.8	39.0	-	4.3	3.6	2.6	2.9	-
227	Floor covering mills	38.2	38.0	39.7	40.9	-	1.9	1.9	2.4	2.9	-
228	Yarn and thread mills	38.0	37.9	38.4	38.9	-	2.2	2.1	2.5	2.5	-
2281	Yarn mills, except wool	37.8	37.7	38.8	39.2	-	2.1	2.0	2.6	2.7	-
2282	Throwing and winding mills	38.4	38.5	36.5	37.2	-	2.7	2.5	1.9	1.9	-
229	Miscellaneous textile goods	41.0	40.4	40.2	40.1	-	3.3	2.8	2.8	2.7	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.8	35.5	35.3	35.3	35.4	1.2	1.0	1.1	1.1	-
231	Men's and boys' suits and coats	36.7	36.4	34.7	34.7	-	.9	.9	.6	.5	-
232	Men's and boys' furnishings	36.3	35.9	35.8	36.0	-	1.0	.9	.9	1.0	-
2321	Men's and boys' shirts and nightwear	36.4	36.4	35.2	35.7	-	1.0	1.0	1.2	1.0	-
2327	Men's and boys' separate trousers	37.0	36.2	36.0	36.1	-	1.0	1.0	.9	1.2	-
2328	Men's and boys' work clothing	36.4	36.0	36.1	36.2	-	1.0	.9	.9	1.0	-
233	Women's and misses' outerwear	33.6	33.4	33.2	33.2	-	.9	.9	1.0	1.0	-
2331	Women's and misses' blouses and waists	33.9	33.6	35.0	34.9	-	.8	.7	1.2	1.1	-
2335	Women's and misses' dresses	32.3	32.2	31.9	32.0	-	.9	.8	.9	.3	-
2337	Women's and misses' suits and coats	33.2	32.4	31.9	33.0	-	1.0	.9	.9	1.0	-
2339	Women's and children's underwear, nec	34.7	34.9	34.1	33.7	-	1.0	1.0	1.0	1.2	-
234	Women's and children's undergarments	36.5	35.7	36.6	35.8	-	1.5	1.1	1.3	1.0	-
2341	Women's and children's underwear	36.5	35.6	36.8	35.7	-	1.6	1.1	1.4	1.0	-
2342	Brassieres and allied garments	36.4	35.9	35.8	36.4	-	1.2	1.0	.7	.9	-
236	Children's outerwear	36.6	36.4	36.1	35.6	-	1.4	1.0	1.2	1.1	-
2361	Children's dresses and blouses	36.0	35.7	36.1	35.5	-	1.3	.8	1.2	.9	-
238	Misc. apparel and accessories	38.0	37.0	36.4	36.6	-	1.7	1.3	1.6	1.6	-
239	Misc. fabricated textile products	38.5	38.4	38.6	38.7	-	1.8	1.6	1.9	1.9	-
2391	Curtains and draperies	36.0	36.6	36.5	36.3	-	.9	1.1	1.1	1.0	-
2392	House furnishings, nec	39.3	38.9	40.0	40.0	-	2.8	2.2	3.0	3.2	-
2396	Automotive and apparel trimmings	39.2	38.1	39.8	40.5	-	.8	.7	2.0	2.4	-
26	PAPER AND ALLIED PRODUCTS	42.3	42.7	41.7	42.0	42.3	4.2	4.2	4.1	4.0	-
261, 2, 6	Paper and pulp mills	44.1	44.4	43.8	44.1	-	6.0	5.7	5.8	5.6	-
262	Paper mills, except building paper	44.8	45.3	44.4	44.5	-	6.2	6.0	5.9	5.5	-
263	Paperboard mills	44.1	44.7	41.2	41.1	-	6.6	7.5	6.4	5.4	-
264	Misc. converted paper products	41.1	41.7	40.5	41.1	-	2.9	2.9	2.6	2.7	-
2641	Paper coating and glazing	43.3	44.2	42.0	42.7	-	3.3	3.1	2.5	2.7	-
2642	Envelopes	40.9	41.4	40.4	41.3	-	2.7	2.9	2.3	2.5	-
2643	Bags, except textile bags	41.5	42.2	40.9	41.5	-	3.3	3.3	3.1	3.1	-
265	Paperboard containers and boxes	41.0	41.3	40.9	41.0	-	3.0	3.0	3.4	3.2	-
2651	Folding paperboard boxes	41.6	42.4	40.3	40.3	-	3.3	3.9	3.0	2.8	-
2653	Corrugated and solid fiber boxes	41.0	40.9	42.0	41.6	-	3.2	3.0	4.1	3.7	-
2654	Sanitary food containers	41.6	42.6	40.1	41.8	-	2.4	2.6	2.5	2.5	-
27	PRINTING AND PUBLISHING	37.3	37.9	37.0	37.3	38.0	2.6	2.7	2.3	2.4	-
271	Newspapers	33.4	33.8	33.2	33.4	-	1.6	1.9	1.5	1.5	-
272	Periodicals	37.2	37.8	37.4	37.3	-	2.4	2.8	2.8	2.5	-
273	Books	38.3	38.8	38.0	38.5	-	2.3	2.4	2.3	2.6	-
2731	Book publishing	37.7	38.3	36.7	37.6	-	1.1	1.4	1.0	1.2	-
2732	Book printing	38.9	39.3	39.6	39.5	-	3.6	3.6	4.0	4.3	-
274	Miscellaneous publishing	35.9	39.4	36.3	36.1	-	1.4	3.1	1.6	1.7	-
275	Commercial printing	38.5	38.9	38.5	38.6	-	2.1	3.0	2.9	2.3	-
2751	Commercial printing, letterpress	38.2	38.5	38.1	38.0	-	2.6	2.2	2.6	2.4	-
2752	Commercial printing, lithographic	38.6	39.1	38.6	38.8	-	3.3	3.2	2.8	2.9	-
276	Manifold business forms	40.8	42.1	39.5	41.2	-	3.4	4.7	2.3	3.2	-
278	Blank books and bookbinding	38.8	39.4	37.9	38.4	-	1.5	1.8	1.5	1.7	-
279	Printing trade service	38.5	38.5	37.8	38.1	-	3.4	3.5	3.4	3.4	-
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.8	40.8	41.0	41.3	3.1	3.0	2.7	2.7	-
281	Industrial inorganic chemicals	41.4	41.6	39.8	40.0	-	3.4	3.3	2.8	2.6	-
2819	Industrial inorganic chemicals, nec	41.1	41.7	39.5	39.6	-	3.3	3.4	2.9	2.5	-
282	Plastics materials and synthetics	41.9	41.6	40.6	40.8	-	2.9	2.5	2.5	2.4	-
2821	Plastics materials and resins	42.8	42.3	41.4	41.8	-	3.9	3.2	3.3	3.5	-
2824	Organic fibers, noncellulosic	41.8	41.3	40.0	40.5	-	2.3	2.0	1.7	1.5	-
283	Drugs	41.6	42.1	41.2	41.5	-	2.9	3.1	2.8	2.9	-
2834	Pharmaceutical preparations	41.0	41.3	40.6	41.1	-	2.9	3.0	2.9	3.0	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^F	Dec. 1982 ^P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^F	Dec. 1982 ^P
CHEMICALS AND ALLIED PRODUCTS—Cont'd											
284	Soap, cleaners, and toilet goods	\$352.00	\$363.03	\$384.99	\$383.39	-	\$8.67	\$8.79	\$9.39	\$9.42	-
2841	Soap and other detergents	479.40	493.93	525.57	514.18	-	11.28	11.46	12.11	12.07	-
2844	Toilet preparations	262.58	274.33	294.28	297.86	-	6.75	6.91	7.45	7.55	-
2842, 3	Polishing, sanitation, and finishing preparations	353.50	357.00	363.45	362.48	-	8.58	8.50	8.93	8.95	-
285	Paints and allied products	320.72	326.33	350.16	359.20	-	8.14	8.22	8.91	8.33	-
286	Industrial organic chemicals	473.19	472.34	507.55	514.46	-	11.03	11.14	12.23	12.22	-
2865	Cyclic crudes and intermediates	444.51	447.07	480.26	479.98	-	10.41	10.67	11.80	11.65	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	483.75	481.38	515.83	525.76	-	11.25	11.30	12.37	12.40	-
287	Agricultural chemicals	390.22	399.75	415.65	415.49	-	9.16	9.34	9.92	9.94	-
289	Miscellaneous chemical products	364.42	366.63	379.89	384.87	-	8.76	8.75	9.38	9.41	-
29	PETROLEUM AND COAL PRODUCTS	499.10	493.73	555.59	569.41	\$575.76	11.58	11.59	12.57	12.71	\$12.71
291	Petroleum refining	535.41	528.34	598.97	615.62	-	12.28	12.23	13.46	13.56	-
295	Paving and roofing materials	377.24	363.31	426.17	420.52	-	9.09	9.06	9.62	9.61	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	291.67	295.94	303.40	307.71	314.40	7.21	7.38	7.72	7.79	7.85
301	Tires and inner tubes	463.49	460.08	467.23	477.36	-	11.36	11.36	11.71	11.70	-
302	Rubber and plastics footwear	181.67	192.27	193.66	195.14	-	4.91	4.93	5.16	5.19	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	319.59	328.05	321.16	322.32	-	8.05	8.12	8.11	8.15	-
306	Fabricated rubber products, nec	277.49	277.31	285.22	289.06	-	6.92	6.95	7.37	7.45	-
307	Miscellaneous plastics products	265.07	270.68	278.24	282.03	-	6.66	6.75	7.08	7.14	-
31	LEATHER AND LEATHER PRODUCTS	167.03	187.46	190.27	195.30	195.66	5.11	5.15	5.39	5.41	5.45
311	Leather tanning and finishing	260.55	265.87	282.08	282.51	-	6.75	6.87	7.27	7.30	-
314	Footwear, except rubber	178.33	178.70	180.08	184.41	-	4.94	4.95	5.16	5.18	-
3143	Men's footwear, except athletic	187.31	189.01	189.35	194.39	-	5.16	5.15	5.41	5.47	-
3144	Women's footwear, except athletic	169.92	172.53	172.53	179.12	-	4.80	4.86	5.03	5.05	-
316	Luggage	205.33	192.89	207.81	232.10	-	5.49	5.69	6.13	6.16	-
317	Handbags and personal leather goods	180.00	176.33	173.60	182.87	-	4.80	4.74	4.96	5.01	-
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads	457.50	466.40	478.40	-	-	10.79	11.00	11.64	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	231.17	229.41	245.73	238.59	-	6.88	6.91	7.27	7.23	-
411	Local and suburban transportation	298.80	291.65	313.62	308.10	-	7.47	7.44	7.88	7.73	-
413	Intercity highway transportation	396.01	383.71	460.69	-	-	10.82	10.87	12.06	-	-
42	TRUCKING AND WAREHOUSING	391.02	401.49	395.37	394.82	-	10.13	10.19	10.35	10.33	-
421, 3	Trucking and trucking terminals	400.28	410.55	404.62	405.08	-	10.37	10.42	10.62	10.56	-
422	Public warehousing	273.29	274.63	275.18	273.02	-	7.08	7.06	7.02	7.11	-
46	PIPE LINES, EXCEPT NATURAL GAS	500.87	510.84	556.98	556.85	-	11.73	11.88	13.23	13.23	-
48	COMMUNICATION	402.40	396.19	413.44	423.34	-	10.06	10.03	10.52	10.51	-
481	Telephone communication	422.34	413.67	439.88	451.58	-	10.48	10.42	11.08	11.15	-
4817	Switchboard operating employees	302.23	283.53	331.20	354.24	-	8.66	8.54	9.60	9.94	-
4818	Line construction employees	525.92	518.30	548.27	560.30	-	11.98	11.97	12.84	12.97	-
483	Radio and television broadcasting	323.09	329.84	324.38	331.76	-	8.48	8.68	8.65	8.30	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	429.53	425.39	456.37	462.73	-	10.35	10.30	11.05	11.15	-
491	Electric services	434.30	432.22	465.23	470.82	-	10.44	10.44	11.13	11.21	-
492	Gas production and distribution	389.78	391.11	412.27	415.14	-	9.53	9.47	10.08	10.15	-
493	Combination utility services	490.31	476.19	513.88	531.12	-	11.73	11.53	12.69	12.30	-
495	Sanitary services	333.29	326.80	365.03	360.33	-	8.07	8.17	8.86	8.91	-
WHOLESALE AND RETAIL TRADE											
50, 51	WHOLESALE TRADE	300.69	302.25	314.55	314.93	316.86	7.79	7.81	8.17	8.13	8.23
50	WHOLESALE TRADE-DURABLE GOODS	303.42	304.98	314.67	315.09	-	7.80	7.80	8.11	8.10	-
501	Motor vehicles and automotive equipment	270.94	273.13	280.70	281.09	-	7.13	7.15	7.31	7.32	-
502	Furniture and home furnishings	268.91	272.12	281.24	284.62	-	7.19	7.18	7.46	7.49	-
503	Lumber and construction materials	313.21	309.29	312.37	309.27	-	7.99	7.87	8.03	7.93	-
504	Sporting goods, toys, and hobby goods	306.12	316.13	324.42	330.62	-	8.12	8.43	8.56	8.61	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.6	41.3	41.0	40.7	-	2.7	2.9	3.0	2.7	-
2841	Soap and other detergents	42.5	43.1	43.4	42.6	-	3.6	3.9	4.7	4.0	-
2844	Toilet preparations	38.9	39.7	39.5	39.4	-	2.2	2.4	2.1	2.1	-
2842, 3	Polishing, sanitation, and finishing preparations	41.2	42.0	40.7	40.5	-	2.7	2.4	2.5	2.3	-
285	Paints and allied products	39.4	39.7	39.3	40.0	-	1.5	1.3	1.7	1.3	-
286	Industrial organic chemicals	42.9	42.4	41.5	42.1	-	3.7	3.3	2.8	3.0	-
2865	Cyclic crudes and intermediates	42.7	41.9	40.7	41.2	-	3.1	2.6	2.6	2.3	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.0	42.6	41.7	42.4	-	3.9	3.5	2.9	3.0	-
287	Agricultural chemicals	42.6	42.8	41.9	41.8	-	4.0	3.8	3.3	3.3	-
289	Miscellaneous chemical products	41.6	41.9	40.5	40.9	-	3.0	3.0	2.5	2.5	-
29	PETROLEUM AND COAL PRODUCTS	43.1	42.6	44.2	44.8	45.3	4.1	3.0	4.1	4.0	-
291	Petroleum refining	43.6	43.2	44.5	45.4	-	4.1	3.0	3.5	3.7	-
295	Paving and roofing materials	41.5	40.1	44.3	43.8	-	5.0	3.6	7.0	5.9	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	39.9	40.1	39.3	39.5	40.0	2.6	2.6	2.4	2.5	-
301	Tires and inner tubes	40.8	40.5	39.9	40.8	-	2.4	2.2	2.0	2.4	-
302	Rubber and plastics footwear	37.0	39.0	38.5	37.6	-	1.5	1.5	1.5	1.1	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	39.7	40.4	39.6	39.5	-	1.8	1.8	1.7	1.6	-
306	Fabricated rubber products, nec	40.1	39.9	38.7	38.8	-	2.4	2.2	2.1	2.1	-
307	Miscellaneous plastics products	39.8	40.1	39.3	39.5	-	2.8	2.8	2.7	2.7	-
31	LEATHER AND LEATHER PRODUCTS	36.6	36.4	35.3	36.1	35.9	1.3	1.3	1.1	1.2	-
311	Leather tanning and finishing	38.6	38.7	38.8	38.7	-	2.4	2.5	2.3	2.1	-
314	Footwear, except rubber	36.1	36.1	34.9	35.6	-	.9	1.1	.9	1.0	-
3143	Men's footwear, except athletic	36.3	36.7	35.0	35.8	-	.9	1.1	.4	.5	-
3144	Women's footwear, except athletic	35.4	35.5	34.3	35.4	-	.9	1.2	1.1	1.4	-
316	Luggage	37.4	33.9	33.9	38.3	-	1.5	1.2	1.6	2.2	-
317	Handbags and personal leather goods	37.5	37.2	35.0	36.5	-	1.8	1.2	1.2	1.2	-
	TRANSPORTATION AND PUBLIC UTILITIES	39.2	39.3	38.8	38.8	38.8	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	42.4	42.4	41.1	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	33.6	33.2	33.8	33.0	-	-	-	-	-	-
411	Local and suburban transportation	40.0	39.2	39.8	39.0	-	-	-	-	-	-
413	Intercity highway transportation	36.6	35.3	38.2	-	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	38.6	39.4	38.2	38.0	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	38.6	39.4	38.1	38.0	-	-	-	-	-	-
422	Public warehousing	38.6	38.9	39.2	38.4	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.7	43.0	42.1	41.9	-	-	-	-	-	-
48	COMMUNICATION	40.0	39.5	39.3	39.9	-	-	-	-	-	-
481	Telephone communication	40.3	39.7	39.7	40.5	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.9	33.2	34.5	36.0	-	-	-	-	-	-
4818	Line construction employees ⁴	43.9	43.3	42.7	43.2	-	-	-	-	-	-
483	Radio and television broadcasting	38.1	38.0	37.5	37.7	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.5	41.3	41.3	41.5	-	-	-	-	-	-
491	Electric services	41.6	41.4	41.8	42.0	-	-	-	-	-	-
492	Gas production and distribution	40.9	41.3	40.9	40.9	-	-	-	-	-	-
493	Combination utility services	41.8	41.3	41.0	41.3	-	-	-	-	-	-
495	Sanitary services	41.3	40.0	41.2	40.9	-	-	-	-	-	-
	WHOLESALE AND RETAIL TRADE	31.9	32.3	31.9	31.8	32.1	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.6	38.7	38.5	38.5	38.5	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.9	39.1	38.8	38.9	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.0	38.2	38.4	38.4	-	-	-	-	-	-
502	Furniture and home furnishings	37.4	37.9	37.7	38.0	-	-	-	-	-	-
503	Lumber and construction materials	39.2	39.3	38.9	39.0	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.7	37.5	37.9	38.4	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings					
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982	
	WHOLESALE TRADE-DURABLE GOODS—Continued											
505	Metals and minerals, except petroleum	\$352.04	\$353.33	\$356.33	\$353.98	-	\$8.89	\$8.90	\$9.09	\$9.07	-	
506	Electrical goods	326.09	330.30	341.43	342.70	-	8.34	8.22	8.71	8.72	-	
507	Hardware, plumbing, and heating equipment	278.31	280.14	292.59	294.51	-	7.21	7.22	7.58	7.61	-	
508	Machinery, equipment, and supplies	315.19	315.20	328.10	328.10	-	8.02	8.00	8.37	8.37	-	
509	Miscellaneous durable goods	248.45	249.60	254.48	254.39	-	6.42	6.50	6.75	6.73	-	
51	WHOLESALE TRADE-NONDURABLE GOODS	297.58	299.49	313.88	314.64	-	7.79	7.84	8.26	8.23	-	
511	Paper and paper products	316.46	315.93	328.85	327.49	-	8.53	8.47	8.84	8.78	-	
512	Drugs, proprietaries, and sundries	310.90	310.05	338.35	340.13	-	8.38	8.29	9.12	9.07	-	
513	Apparel, piece goods, and notions	253.13	257.89	283.02	283.76	-	6.86	6.97	7.67	7.69	-	
514	Groceries and related products	301.85	301.85	317.37	321.41	-	7.82	7.82	8.33	8.37	-	
516	Chemicals and allied products	360.99	363.94	373.65	369.60	-	9.28	9.38	9.68	9.60	-	
517	Petroleum and petroleum products	367.88	376.00	388.48	394.61	-	9.29	9.40	9.86	9.89	-	
518	Beer, wine, and distilled beverages	339.48	353.03	357.08	359.01	-	9.20	9.49	9.81	9.83	-	
519	Miscellaneous nondurable goods	244.48	245.89	255.94	253.08	-	6.40	6.42	6.70	6.65	-	
52-59	RETAIL TRADE	158.54	160.89	165.09	165.73	\$167.31	5.32	5.31	5.54	5.53	\$5.54	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	213.69	214.70	218.13	218.58	-	5.86	5.85	6.11	6.14	-	
521	Lumber and other building materials	232.03	232.18	232.58	229.78	-	6.09	6.11	6.32	6.33	-	
525	Hardware stores	175.08	178.71	181.17	181.70	-	5.18	5.18	5.36	5.35	-	
53	GENERAL MERCHANDISE STORES	149.41	157.42	159.69	158.56	-	5.17	5.23	5.45	5.43	-	
531	Department stores	154.08	162.00	165.86	163.85	-	5.35	5.40	5.68	5.65	-	
533	Variety stores	122.93	131.58	124.74	125.93	-	4.21	4.30	4.20	4.17	-	
539	Misc. general merchandise stores	125.11	132.68	132.41	130.50	-	4.27	4.28	4.37	4.35	-	
54	FOOD STORES	212.19	209.30	224.35	226.34	-	6.98	6.84	7.38	7.47	-	
541	Grocery stores	221.96	217.66	233.33	236.38	-	7.23	7.09	7.65	7.75	-	
546	Retail bakeries	139.08	141.78	144.65	144.14	-	4.88	4.94	5.04	5.04	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	229.13	228.75	234.87	235.48	-	6.11	6.10	6.28	6.33	-	
551, 2	New and used car dealers	270.72	268.55	275.56	280.10	-	7.05	7.03	7.29	7.41	-	
553	Auto and home supply stores	230.68	228.58	237.77	237.37	-	5.71	5.63	5.90	5.99	-	
554	Gasoline service stations	171.91	173.04	180.85	177.96	-	4.87	4.93	5.08	5.07	-	
56	APPAREL AND ACCESSORY STORES	134.14	140.90	137.48	137.33	-	4.74	4.76	4.91	4.94	-	
561	Men's and boys' clothing and furnishings	164.47	174.10	171.12	173.35	-	5.34	5.39	5.52	5.61	-	
562	Women's ready-to-wear stores	118.63	124.24	122.29	122.36	-	4.41	4.39	4.58	4.60	-	
565	Family clothing stores	130.85	135.95	137.74	136.49	-	4.69	4.64	4.85	4.88	-	
566	Shoe stores	141.93	152.28	143.96	142.93	-	4.98	5.11	5.16	5.16	-	
57	FURNITURE AND HOME FURNISHINGS STORES	210.02	214.20	213.97	213.00	-	6.07	6.12	6.22	6.21	-	
571	Furniture and home furnishings stores	209.07	215.51	213.47	212.60	-	6.06	6.14	6.26	6.29	-	
572	Household appliance stores	219.83	221.70	230.16	229.39	-	6.21	6.21	6.52	6.43	-	
573	Radio, television, and music stores	207.09	208.04	207.06	204.62	-	6.02	6.03	5.95	5.88	-	
58	EATING AND DRINKING PLACES	103.86	104.75	107.53	106.81	-	4.01	4.06	4.12	4.14	-	
59	MISCELLANEOUS RETAIL	162.97	167.05	168.71	169.26	-	5.19	5.14	5.46	5.45	-	
591	Drug stores and proprietary stores	143.96	144.45	149.18	151.90	-	4.93	4.88	5.18	5.22	-	
594	Miscellaneous shopping goods stores	147.44	154.87	148.40	147.21	-	4.85	4.78	4.98	4.94	-	
596	Nonstore retailers	190.52	197.68	207.46	209.84	-	5.62	5.60	6.23	6.10	-	
598	Fuel and ice dealers	278.46	283.68	277.43	286.06	-	7.14	7.20	7.32	7.43	-	
599	Retail stores, nec	172.20	177.98	182.56	179.44	-	5.25	5.25	5.60	5.53	-	
-	FINANCE, INSURANCE, AND REAL ESTATE	236.02	234.21	252.31	253.76	254.88	6.52	6.47	6.97	7.01	7.08	
60	BANKING	202.38	200.20	217.54	217.67	-	5.56	5.50	5.96	5.93	-	
602	Commercial and stock savings banks	199.11	197.47	212.65	212.43	-	5.47	5.41	5.81	5.82	-	
61	CREDIT AGENCIES OTHER THAN BANKS	212.13	209.35	223.99	223.38	-	5.78	5.72	6.12	6.12	-	
612	Savings and loan associations	195.12	192.07	202.63	201.50	-	5.39	5.35	5.66	5.65	-	
614	Personal credit institutions	214.23	214.27	229.40	229.40	-	5.79	5.76	6.20	6.20	-	
63	INSURANCE CARRIERS	273.02	273.04	288.30	290.57	-	7.30	7.32	7.75	7.73	-	
631	Life insurance	286.11	286.09	290.53	292.06	-	7.65	7.67	7.81	7.83	-	
632	Medical service and health insurance	260.06	259.76	276.76	280.13	-	6.79	6.80	7.40	7.49	-	
633	Fire, marine, and casualty insurance	263.47	263.47	288.97	290.49	-	7.14	7.14	7.81	7.92	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^F	Dec. 1982 ^D	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^F	Dec. 1982 ^D
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.6	39.7	39.2	39.2	-	-	-	-	-	-
506	Electrical goods	39.1	39.7	39.2	39.3	-	-	-	-	-	-
507	Hardware, plumbing, and heating equipment	38.6	38.8	38.6	38.7	-	-	-	-	-	-
508	Machinery, equipment, and supplies	39.3	39.4	39.2	39.2	-	-	-	-	-	-
509	Miscellaneous durable goods	38.7	38.4	37.7	37.8	-	-	-	-	-	-
51	WHOLESALE TRADE-NONDURABLE GOODS	38.2	38.2	38.0	38.0	-	-	-	-	-	-
511	Paper and paper products	37.1	37.3	37.2	37.3	-	-	-	-	-	-
512	Drugs, proprietaries, and sundries	37.1	37.4	37.1	37.5	-	-	-	-	-	-
513	Apparel, piece goods, and notions	36.9	37.0	36.9	36.9	-	-	-	-	-	-
514	Groceries and related products	38.6	38.6	38.1	38.4	-	-	-	-	-	-
516	Chemicals and allied products	38.9	38.8	38.6	38.5	-	-	-	-	-	-
517	Petroleum and petroleum products	39.6	40.0	39.4	39.9	-	-	-	-	-	-
518	Beer, wine, and distilled beverages	36.9	37.2	36.4	36.3	-	-	-	-	-	-
519	Miscellaneous nondurable goods	38.2	38.3	38.2	38.0	-	-	-	-	-	-
52-59	RETAIL TRADE	29.8	30.3	29.8	29.7	30.2	-	-	-	-	-
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.5	36.7	35.7	35.6	-	-	-	-	-	-
521	Lumber and other building materials	38.1	38.0	36.8	36.3	-	-	-	-	-	-
525	Hardware stores	33.8	34.5	33.8	33.9	-	-	-	-	-	-
53	GENERAL MERCHANDISE STORES	28.9	30.1	29.3	29.2	-	-	-	-	-	-
531	Department stores	28.8	30.0	29.2	29.0	-	-	-	-	-	-
533	Variety stores	29.2	30.6	29.7	30.2	-	-	-	-	-	-
539	Misc. general merchandise stores	29.3	31.0	30.3	30.0	-	-	-	-	-	-
54	FOOD STORES	30.4	30.6	30.4	30.3	-	-	-	-	-	-
541	Grocery stores	30.7	30.7	30.5	30.5	-	-	-	-	-	-
546	Retail bakeries	28.5	28.7	28.7	28.6	-	-	-	-	-	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.5	37.5	37.4	37.2	-	-	-	-	-	-
551.2	New and used car dealers	38.4	38.2	37.8	37.8	-	-	-	-	-	-
553	Auto and home supply stores	40.4	40.6	40.3	40.3	-	-	-	-	-	-
554	Gasoline service stations	35.3	35.1	35.6	35.1	-	-	-	-	-	-
56	APPAREL AND ACCESSORY STORES	28.3	29.6	28.0	27.8	-	-	-	-	-	-
561	Men's and boys' clothing and furnishings	30.8	32.3	31.0	30.9	-	-	-	-	-	-
562	Women's ready-to-wear stores	26.9	28.3	26.7	26.6	-	-	-	-	-	-
565	Family clothing stores	27.9	29.3	28.4	28.2	-	-	-	-	-	-
566	Shoe stores	28.5	29.8	27.9	27.7	-	-	-	-	-	-
57	FURNITURE AND HOME FURNISHINGS STORES	34.6	35.0	34.4	34.3	-	-	-	-	-	-
571	Furniture and home furnishings stores	34.5	35.1	34.1	33.8	-	-	-	-	-	-
572	Household appliance stores	35.4	35.7	35.3	35.4	-	-	-	-	-	-
573	Radio, television, and music stores	34.4	34.5	34.8	34.8	-	-	-	-	-	-
58	EATING AND DRINKING PLACES	25.9	25.8	26.1	25.8	-	-	-	-	-	-
59	MISCELLANEOUS RETAIL	31.4	32.5	30.9	31.0	-	-	-	-	-	-
591	Drug stores and proprietary stores	29.2	29.6	28.8	29.1	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	30.4	32.4	29.8	29.8	-	-	-	-	-	-
596	Nonstore retailers	33.9	35.3	33.3	33.9	-	-	-	-	-	-
598	Fuel and ice dealers	39.0	39.4	37.9	38.5	-	-	-	-	-	-
599	Retail stores, nec	32.8	33.9	32.6	32.1	-	-	-	-	-	-
	FINANCE, INSURANCE, AND REAL ESTATE	36.2	36.2	36.2	36.2	36.0	-	-	-	-	-
60	BANKING	36.4	36.4	36.5	36.4	-	-	-	-	-	-
602	Commercial and stock savings banks	36.4	36.5	36.6	36.5	-	-	-	-	-	-
61	CREDIT AGENCIES OTHER THAN BANKS	36.7	36.6	36.6	36.5	-	-	-	-	-	-
612	Savings and loan associations	36.2	35.9	35.8	35.5	-	-	-	-	-	-
614	Personal credit institutions	37.0	37.2	37.0	37.0	-	-	-	-	-	-
63	INSURANCE CARRIERS	37.4	37.3	37.2	37.3	-	-	-	-	-	-
631	Life insurance	37.4	37.3	37.2	37.3	-	-	-	-	-	-
632	Medical service and health insurance	38.3	38.2	37.4	37.4	-	-	-	-	-	-
633	Fire, marine, and casualty insurance	36.9	36.9	37.0	37.1	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^p	Dec. 1982 ^p	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^p	Dec. 1982 ^p
	SERVICES	\$216.78	\$217.12	\$229.13	\$230.10	\$230.04	\$6.67	\$6.66	\$7.05	\$7.03	\$7.10
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ⁵	152.89	152.58	153.31	152.66	-	4.98	5.12	5.01	5.14	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	164.64	168.32	175.24	177.11	-	4.90	4.98	5.20	5.24	
723	Beauty shops ⁶	142.80	144.05	149.76	149.06	-	4.76	4.77	5.20	5.23	
	BUSINESS SERVICES										
73	Advertising	219.07	220.10	232.82	234.19	-	6.72	6.69	7.12	7.14	-
731	Services to buildings	322.70	322.18	334.49	338.11	-	9.09	8.90	9.24	9.34	-
734	Computer and data processing services	152.01	149.88	157.49	155.34	-	5.63	5.49	5.79	5.69	-
737	Automotive repair shops	307.93	308.18	329.62	328.37	-	8.30	8.24	8.72	8.71	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	248.82	251.66	254.55	254.85	-	6.60	6.64	6.77	6.75	-
753	MISCELLANEOUS REPAIR SERVICES	276.51	280.21	283.19	283.08	-	7.09	7.13	7.28	7.24	-
76	MOTION PICTURES	302.64	311.25	314.71	319.10	-	7.90	7.84	8.26	8.31	-
78	Motion picture production and services	254.82	260.30	233.11	245.89	-	9.30	9.57	8.83	9.04	-
781	AMUSEMENT AND RECREATION SERVICES	489.34	503.50	468.12	485.64	-	12.81	13.32	12.55	12.78	-
79	HEALTH SERVICES	191.14	184.08	185.71	193.20	-	6.35	6.24	6.36	6.44	-
80	Offices of physicians	215.17	215.16	232.50	232.44	-	6.58	6.60	7.11	7.13	-
801	Offices of dentists	213.73	214.43	219.30	223.62	-	6.70	6.68	6.94	7.01	-
802	Nursing and personal care facilities	183.18	184.23	192.77	154.74	-	6.45	6.51	6.86	6.93	-
805	Hospitals	144.14	144.30	153.55	154.04	-	4.62	4.64	4.89	4.93	-
806	LEGAL SERVICES	241.37	242.05	263.06	262.19	-	7.12	7.14	7.76	7.78	-
81	MISCELLANEOUS SERVICES	290.34	286.75	304.58	307.59	-	8.44	8.24	8.68	8.69	-
89	Engineering and architectural services	374.52	374.22	402.87	403.13	-	9.83	9.72	10.41	10.39	-
891	Accounting, auditing, and bookkeeping	412.51	411.99	445.90	443.92	-	10.55	10.51	11.26	11.21	-
893		308.47	309.75	327.46	330.60	-	8.27	8.13	8.64	8.70	-

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

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

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1977, such employees made up 20 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft persons; and laborers. In 1977, such employees made up 37 percent of the

total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Money payments only; tips, not included.

⁶ Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

NOTE: Data from April 1981 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustment" in the Explanatory Notes of this publication.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	SERVICES	32.5	32.6	32.5	32.5	32.4	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts ⁵	30.7	29.8	30.6	29.7	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.6	33.8	33.7	33.8	-	-	-	-	-	
723	Beauty shops ⁵	30.0	30.2	28.8	28.5	-	-	-	-	-	
	BUSINESS SERVICES	32.6	32.9	32.7	32.8	-	-	-	-	-	
731	Advertising	35.5	36.2	36.2	36.2	-	-	-	-	-	
734	Services to buildings	27.0	27.3	27.2	27.3	-	-	-	-	-	
737	Computer and data processing services	37.1	37.4	37.8	37.7	-	-	-	-	-	
	AUTO REPAIR, SERVICES, AND GARAGES	37.7	37.9	37.6	37.7	-	-	-	-	-	
753	Automotive repair shops	39.0	39.3	38.9	39.1	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	38.8	39.7	38.1	38.4	-	-	-	-	-	
	MOTION PICTURES	27.4	27.2	26.4	27.2	-	-	-	-	-	
781	Motion picture production and services	38.2	37.8	37.3	38.0	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.1	29.5	29.2	30.0	-	-	-	-	-	
	HEALTH SERVICES	32.7	32.6	32.7	32.6	-	-	-	-	-	
801	Offices of physicians	31.9	32.1	31.6	31.9	-	-	-	-	-	
802	Offices of dentists	28.4	28.3	28.1	27.9	-	-	-	-	-	
805	Nursing and personal care facilities	31.2	31.1	31.4	31.5	-	-	-	-	-	
806	Hospitals	33.9	33.9	33.9	33.7	-	-	-	-	-	
81	LEGAL SERVICES	34.4	34.8	34.3	34.6	-	-	-	-	-	
	MISCELLANEOUS SERVICES	38.1	38.5	38.7	38.8	-	-	-	-	-	
891	Engineering and architectural services	39.1	39.2	39.6	39.6	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	37.3	38.1	37.9	38.0	-	-	-	-	-	

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 ¹				
	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
MANUFACTURING	\$7.94	\$8.00	\$8.31	\$8.36	\$8.42
DURABLE GOODS	8.50	8.55	8.89	8.92	8.98
Lumber and wood products	6.96	6.97	7.38	7.40	-
Furniture and fixtures	5.93	5.98	6.27	6.30	-
Stone, clay, and glass products	8.17	8.22	8.65	8.67	-
Primary metal industries	10.77	10.77	11.15	11.24	-
Fabricated metal products	8.18	8.27	8.64	8.69	-
Machinery, except electrical	8.76	8.83	9.12	9.13	-
Electric and electronic equipment	7.62	7.68	8.16	8.18	-
Transportation equipment	10.39	10.41	10.94	10.95	-
Instruments and related products	7.48	7.59	8.32	8.39	-
Miscellaneous manufacturing industries	5.94	6.04	6.34	6.36	-
NONDURABLE GOODS	7.12	7.20	7.55	7.62	7.69
Food and kindred products	7.27	7.34	7.52	7.65	-
Tobacco manufactures	8.79	8.81	9.29	9.95	-
Textile mill products	5.54	5.55	5.69	5.73	-
Apparel and other textile products	4.96	4.96	5.11	5.15	-
Paper and allied products	8.47	8.54	9.09	9.15	-
Printing and publishing	8.14	8.19	8.60	8.63	-
Chemicals and allied products	9.08	9.20	9.91	9.94	-
Petroleum and coal products	11.06	11.20	12.02	12.17	-
Rubber and misc. plastics products	7.08	7.15	7.49	7.55	-
Leather and leather products	5.02	5.06	5.31	5.33	-

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

p=preliminary.

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

Industry	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
TOTAL PRIVATE:					
Current dollars	\$262.20	\$262.24	\$270.31	\$270.66	\$272.14
Constant (1977) dollars	169.71	169.30	167.06	167.59	-
MINING:					
Current dollars	461.32	466.37	461.74	460.51	\$466.89
Constant (1977) dollars	298.59	301.08	285.38	285.15	-
CONSTRUCTION:					
Current dollars	414.78	417.75	438.52	420.57	\$434.44
Constant (1977) dollars	269.47	269.69	271.03	260.41	-
MANUFACTURING:					
Current dollars	325.54	329.97	333.84	338.37	\$344.59
Constant (1977) dollars	210.71	213.02	206.33	209.52	-
TRANSPORTATION AND PUBLIC UTILITIES:					
Current dollars	393.96	395.36	406.62	409.34	\$411.28
Constant (1977) dollars	254.99	255.24	251.31	253.46	-
WHOLESALE AND RETAIL TRADE:					
Current dollars	192.68	194.45	200.97	200.98	\$201.59
Constant (1977) dollars	124.71	125.53	124.21	124.45	-
FINANCE, INSURANCE, AND REAL ESTATE:					
Current dollars	236.02	234.21	252.31	253.76	\$254.88
Constant (1977) dollars	152.76	151.20	155.94	157.13	-
SERVICES:					
Current dollars	216.78	217.12	229.13	230.10	\$230.04
Constant (1977) dollars	140.31	140.17	141.61	142.48	-

¹ 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 workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982P	Dec. 1982P
	Hours				
TOTAL PRIVATE	108.3	108.2	104.0	103.4	103.6
GOODS-PRODUCING	100.4	98.0	89.9	88.5	87.7
MINING	146.5	147.1	117.0	115.4	114.1
CONSTRUCTION	110.8	103.9	106.8	101.0	96.2
MANUFACTURING	96.2	94.6	85.4	84.8	84.6
DURABLE GOODS	95.7	94.0	91.2	80.7	81.1
Lumber and wood products	79.3	76.8	80.6	80.3	79.4
Furniture and fixtures	95.6	96.3	88.5	88.4	89.6
Stone, clay, and glass products	88.9	84.2	80.5	78.7	75.1
Primary metal industries	85.6	82.6	60.2	59.7	59.0
Fabricated metal products	93.8	92.3	79.8	79.4	80.3
Machinery, except electrical	109.5	109.8	82.7	81.9	82.7
Electric and electronic equipment	103.2	102.6	93.3	93.6	93.3
Transportation equipment	88.0	85.5	76.5	76.1	79.1
Instruments and related products	113.5	113.3	101.1	101.1	103.7
Miscellaneous manufacturing industries	95.2	89.8	85.0	83.7	79.8
NONDURABLE GOODS	97.0	95.4	91.6	90.9	90.4
Food and kindred products	99.6	98.3	101.1	98.2	98.8
Tobacco manufactures	103.9	99.6	96.8	88.0	88.4
Textile mill products	85.6	82.9	76.7	76.4	76.5
Apparel and other textile products	94.2	90.5	85.9	84.9	83.1
Paper and allied products	97.4	97.2	91.1	91.8	92.5
Printing and publishing	107.6	109.9	105.4	106.4	103.0
Chemicals and allied products	100.1	99.7	93.0	93.3	93.5
Petroleum and coal products	102.1	97.8	99.6	99.7	99.8
Rubber and misc. plastics products	97.9	96.4	90.7	90.2	91.3
Leather and leather products	89.6	85.2	75.7	77.2	74.7
SERVICE-PRODUCING	112.7	113.8	111.7	111.7	112.4
TRANSPORTATION AND PUBLIC UTILITIES	105.3	104.7	101.1	100.6	100.1
WHOLESALE AND RETAIL TRADE	107.5	110.3	105.2	105.5	108.3
WHOLESALE TRADE	112.6	112.3	108.8	108.3	107.4
RETAIL TRADE	105.5	109.5	103.8	104.4	108.6
FINANCE, INSURANCE, AND REAL ESTATE	117.1	117.1	116.8	116.5	114.6
SERVICES	120.3	120.3	122.0	121.7	121.1

¹ 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 workers¹ on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	Nov. 1981	Dec. 1981	Oct. 1982	Nov. 1982 ^P	Dec. 1982 ^P
	Payrolls				
TOTAL PRIVATE	154.1	153.6	154.4	153.8	154.3
GOODS-PRODUCING	145.4	142.6	136.8	134.5	134.4
MINING	219.3	220.4	185.6	184.1	182.2
CONSTRUCTION	152.9	144.3	155.8	145.1	141.0
MANUFACTURING	139.0	137.7	128.7	128.6	129.6
DURABLE GOODS	138.5	137.0	122.3	122.1	123.6
Lumber and wood products	111.5	107.9	120.4	120.4	117.9
Furniture and fixtures	133.4	135.8	130.6	131.1	134.2
Stone, clay, and glass products	130.6	124.1	125.3	122.4	117.1
Primary metal industries	128.3	123.6	92.9	92.8	91.7
Fabricated metal products	133.8	133.3	119.5	119.7	121.9
Machinery, except electrical	158.9	161.2	123.4	122.5	124.3
Electric and electronic equipment	149.9	150.4	144.4	145.5	146.4
Transportation equipment	129.6	126.2	118.6	118.3	124.9
Instruments and related products	164.8	167.3	162.1	163.8	169.0
Miscellaneous manufacturing industries	133.4	127.4	126.7	125.4	121.3
NONDURABLE GOODS	140.0	139.0	140.0	140.2	140.7
Food and kindred products	141.1	140.3	148.3	146.1	142.0
Tobacco manufactures	169.6	161.2	166.1	161.2	163.3
Textile mill products	123.1	119.0	113.0	113.4	114.5
Apparel and other textile products	131.0	125.8	123.1	122.5	120.7
Paper and allied products	145.2	146.1	145.7	147.7	149.1
Printing and publishing	147.9	152.2	152.7	154.8	159.8
Chemicals and allied products	146.5	147.6	148.1	148.8	151.3
Petroleum and coal products	151.0	144.9	159.9	161.9	161.9
Rubber and misc. plastics products	138.5	137.5	135.4	135.7	139.8
Leather and leather products	126.9	121.5	113.1	115.9	113.0
SERVICE-PRODUCING	160.3	161.3	166.8	167.4	168.4
TRANSPORTATION AND PUBLIC UTILITIES	151.4	150.7	151.5	151.9	151.6
WHOLESALE AND RETAIL TRADE	151.8	155.1	154.9	155.8	159.0
WHOLESALE TRADE	162.8	162.7	164.9	164.3	164.0
RETAIL TRADE	145.8	151.1	149.5	151.3	156.3
FINANCE, INSURANCE, AND REAL ESTATE	168.1	166.6	179.2	179.8	178.7
SERVICES	172.5	172.4	184.8	185.2	184.6

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
TOTAL PRIVATE	35.0	34.4	35.0	34.9	34.9	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.6
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	39.1	37.6	39.4	39.0	39.0	39.1	39.2	39.2	39.0	38.8	38.8	38.9	38.9
<i>Overtime hours</i>	2.4	2.3	2.4	2.3	2.4	2.3	2.4	2.4	2.4	2.3	2.3	2.3	2.3
DURABLE GOODS	39.5	38.2	39.8	39.5	39.5	39.6	39.7	39.7	39.4	38.9	39.0	39.2	39.2
<i>Overtime hours</i>	2.3	2.2	2.2	2.2	2.2	2.2	2.3	2.2	2.2	2.1	2.0	2.1	2.1
Lumber and wood products	37.7	35.0	37.9	37.6	37.6	38.5	38.7	38.6	38.2	38.5	38.0	33.7	38.5
Furniture and fixtures	37.9	33.6	37.7	37.3	37.4	37.5	37.8	37.6	37.9	37.4	37.5	37.6	37.4
Stone, clay, and glass products	39.7	38.6	40.1	40.0	40.0	40.2	40.4	40.6	40.3	40.2	40.2	40.2	39.6
Primary metal industries	39.2	38.3	39.4	38.8	38.5	38.5	38.9	38.9	38.8	37.8	38.0	38.2	38.0
Fabricated metal products	39.5	38.1	39.7	39.5	39.4	39.5	39.4	39.5	39.2	38.8	38.9	38.9	39.0
Machinery, except electrical	40.4	39.3	40.7	40.2	40.1	39.8	39.6	39.8	39.5	39.0	39.2	39.2	39.3
Electric and electronic equipment	39.5	38.3	39.8	39.4	39.3	35.4	39.5	39.8	39.3	38.8	39.0	39.2	39.3
Transportation equipment	39.7	39.0	40.5	40.4	41.1	41.1	41.6	41.0	40.5	39.8	40.1	40.8	40.7
Instruments and related products	39.9	39.0	39.9	39.9	39.9	40.2	40.2	40.1	40.1	39.8	39.4	39.4	40.1
Miscellaneous manufacturing and	38.5	37.3	38.6	38.6	38.5	38.7	38.6	38.7	38.6	38.3	38.6	33.6	38.4
NONDURABLE GOODS	38.6	36.8	38.9	38.5	38.4	38.5	38.6	38.6	38.5	38.6	38.5	38.5	38.5
<i>Overtime hours</i>	2.6	2.5	2.6	2.5	2.6	2.5	2.5	2.6	2.6	2.6	2.6	2.5	2.5
Food and kindred products	39.8	39.1	40.2	39.5	39.4	39.4	39.5	39.5	39.1	39.4	39.7	39.5	39.2
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	37.8	32.3	38.3	37.6	37.7	37.9	37.8	37.7	38.2	38.1	38.2	38.5	39.5
Apparel and other textile products	35.1	31.4	35.5	35.0	34.7	34.8	35.1	35.2	35.0	35.2	35.0	35.0	35.0
Paper and allied products	41.8	41.3	42.3	41.8	42.1	41.8	42.0	41.9	41.7	41.5	41.7	41.7	41.4
Printing and publishing	37.1	36.9	37.4	37.1	37.1	36.8	37.1	37.0	36.8	37.0	36.9	37.1	37.7
Chemicals and allied products	41.3	41.0	41.2	40.7	40.7	41.0	41.0	40.9	40.9	41.2	40.8	40.6	40.8
Petroleum and coal products	42.7	44.3	43.5	43.5	44.0	44.1	44.1	43.3	43.9	44.0	43.3	44.2	45.4
Rubber and misc. plastics products	39.4	37.9	40.0	39.6	39.8	39.9	40.1	40.2	39.7	39.6	39.0	39.2	39.3
Leather and leather products	36.1	34.1	35.6	35.8	35.6	35.6	35.7	36.1	36.0	35.7	35.2	35.0	35.5
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.0	31.7	32.0	31.9	31.8	32.0	31.9	31.9	31.9	32.1	31.9	31.8	31.8
WHOLESALE TRADE	38.4	38.1	38.5	38.4	38.3	38.5	38.6	38.5	36.5	38.4	38.3	38.4	38.2
RETAIL TRADE	29.9	29.7	29.9	29.8	29.8	30.0	29.8	29.9	29.9	30.1	29.9	29.8	29.8
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.6	32.5	32.6	32.6	32.7	32.7	32.7	32.6	32.6	32.8	32.6	32.6	32.4

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

^p preliminary.

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1981	1982											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
TOTAL PRIVATE	106.3	104.3	106.2	105.6	105.2	105.7	104.9	104.8	104.1	103.9	102.8	102.5	101.8
GOODS-PRODUCING	96.3	91.4	95.6	93.9	93.0	93.3	91.9	91.4	90.0	88.7	87.2	86.7	86.2
MINING	145.5	141.6	143.7	142.6	138.4	133.6	128.2	125.1	121.4	118.6	115.2	114.3	112.8
CONSTRUCTION	104.2	96.8	102.9	101.1	100.9	104.5	101.0	101.9	100.5	98.3	97.2	97.2	96.4
MANUFACTURING	92.5	88.0	91.9	90.3	89.3	89.2	88.4	87.8	86.5	85.5	83.9	83.3	83.0
DURABLE GOODS	91.4	87.3	90.6	89.1	87.8	87.8	86.7	86.1	84.1	82.2	80.0	79.2	78.8
Lumber and wood products	77.2	70.9	77.5	76.1	77.6	79.5	79.8	79.4	78.7	79.5	78.2	80.2	79.9
Furniture and fixtures	92.6	80.9	90.0	88.3	87.8	88.1	88.5	87.3	89.0	86.8	86.0	85.0	86.1
Stone, clay, and glass products	83.9	79.3	82.4	81.1	80.2	81.1	80.4	80.8	79.7	79.1	78.0	76.6	74.7
Primary metal industries	81.9	78.5	79.7	77.1	73.6	71.0	70.1	68.4	67.0	63.4	60.6	59.5	58.5
Fabricated metal products	89.3	85.1	88.1	87.0	85.8	85.5	84.0	83.9	82.0	80.4	78.4	77.3	77.6
Machinery, except electrical	106.2	101.6	104.4	101.5	99.2	98.0	94.4	92.1	88.9	86.5	83.0	81.1	80.0
Electric and electronic equipment	99.6	97.2	100.4	98.6	97.8	98.0	97.7	97.5	95.8	93.5	92.3	92.0	90.4
Transportation equipment	80.7	78.3	81.8	81.7	81.4	82.3	82.6	83.1	79.4	77.2	74.1	73.8	74.9
Instruments and related products	110.6	107.3	109.3	108.5	107.4	108.5	107.2	106.7	105.6	104.0	101.2	99.7	101.2
Miscellaneous manufacturing ind	89.3	84.8	86.8	86.2	84.2	84.4	83.6	84.1	82.4	81.4	81.2	80.0	79.3
NONDURABLE GOODS	84.1	89.0	93.8	92.0	91.5	91.4	91.0	90.3	90.0	90.3	89.7	89.4	89.2
Food and kindred products	97.7	95.6	98.9	96.8	95.5	96.2	95.4	96.1	93.9	94.7	96.5	96.0	94.7
Tobacco manufactures	92.1	93.6	94.6	93.6	89.6	88.7	91.6	89.8	90.7	88.1	84.3	78.9	82.3
Textile mill products	80.7	67.7	79.9	76.5	78.0	77.0	74.8	74.7	75.2	75.2	75.4	74.9	74.5
Apparel and other textile products	90.5	79.6	90.0	87.7	85.3	85.3	85.8	83.2	84.3	84.6	83.9	83.4	83.0
Paper and allied products	95.2	93.7	95.4	93.9	94.0	92.8	92.5	92.2	91.4	91.9	90.9	91.0	90.6
Printing and publishing	106.5	105.8	107.2	106.7	106.2	105.5	105.9	105.3	104.9	105.5	105.1	105.5	105.6
Chemicals and allied products	98.9	97.6	97.6	96.4	95.3	95.7	94.9	94.0	94.3	94.9	93.3	92.7	93.2
Petroleum and coal products	99.7	98.7	96.1	96.1	96.5	96.7	95.9	94.2	95.5	98.8	96.5	97.7	101.2
Rubber and misc. plastics products	94.3	90.0	94.0	92.3	94.0	94.6	94.9	95.0	93.6	92.5	89.4	88.5	89.2
Leather and leather products	85.1	79.1	79.5	79.5	79.5	78.1	78.4	77.0	78.1	76.6	74.2	75.3	74.6
SERVICE-PRODUCING	111.8	111.4	112.1	112.0	111.9	112.5	112.1	112.2	111.8	112.3	111.5	111.3	110.5
TRANSPORTATION AND PUBLIC UTILITIES	103.6	102.8	103.7	103.3	102.8	102.6	102.2	101.5	101.2	100.7	100.1	99.8	99.1
WHOLESALE AND RETAIL TRADE	105.4	105.2	106.3	105.9	105.5	106.5	105.8	106.1	105.5	105.6	104.8	104.2	103.5
WHOLESALE TRADE	111.0	109.7	110.7	110.2	109.5	110.3	110.0	109.6	109.0	108.6	107.9	107.4	106.3
RETAIL TRADE	103.3	103.4	104.6	104.2	103.9	105.1	104.2	104.7	104.2	104.5	103.6	102.9	102.5
FINANCE, INSURANCE, AND REAL ESTATE	117.4	116.9	116.8	117.1	117.0	117.9	117.4	117.4	117.2	117.4	117.0	117.0	114.9
SERVICES	120.8	120.3	120.9	121.1	121.5	121.8	121.9	121.8	121.8	122.9	122.0	122.3	121.6

¹ 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 workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1981			1982									
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
Hourly Earnings Index² (1977=100)													
TOTAL PRIVATE (In current dollars)	143.5	144.9	145.0	145.4	146.3	147.7	148.1	148.9	149.9	150.1	150.8	151.1	151.9
MINING	153.4	156.2	156.0	156.0	156.5	156.8	159.6	161.3	161.5	163.2	162.6	163.3	163.7
CONSTRUCTION	136.6	139.9	137.9	138.1	138.7	139.9	139.7	140.6	140.7	140.4	142.3	142.9	143.6
MANUFACTURING	146.9	148.9	149.1	149.9	150.8	151.8	152.5	153.3	154.2	154.7	154.6	155.3	155.6
TRANSPORTATION AND PUBLIC UTILITIES	144.3	145.5	146.0	146.3	146.9	148.2	149.1	148.9	150.3	149.9	151.1	151.5	152.0
WHOLESALE AND RETAIL TRADE	141.7	142.1	142.5	142.8	143.7	145.1	145.2	145.7	145.5	146.8	147.6	148.0	148.3
FINANCE, INSURANCE, AND REAL ESTATE	142.0	143.1	143.3	143.8	144.9	148.0	147.2	148.6	150.6	151.3	152.9	152.7	154.5
SERVICES	142.6	143.4	143.7	143.9	145.1	146.5	147.3	148.7	149.7	149.7	150.8	150.8	151.9
TOTAL PRIVATE (In 1977 dollars) ⁴	92.3	92.9	92.8	93.3	93.7	93.7	93.1	93.0	93.2	93.2	93.2	93.3	-
Average hourly earnings													
TOTAL PRIVATE	\$7.46	\$7.52	\$7.53	\$7.54	\$7.59	\$7.65	\$7.67	\$7.71	\$7.74	\$7.72	\$7.77	\$7.79	\$7.83
MINING	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION	11.22	11.52	11.34	11.39	11.43	11.54	11.51	11.56	11.58	11.56	11.71	11.59	11.82
MANUFACTURING	8.20	8.38	8.34	8.37	8.44	8.48	8.52	8.56	8.57	8.56	8.56	8.61	8.62
TRANSPORTATION AND PUBLIC UTILITIES	10.02	10.09	10.13	10.15	10.18	10.24	10.30	10.30	10.40	10.37	10.43	10.47	10.56
WHOLESALE AND RETAIL TRADE	6.08	6.09	6.10	6.12	6.16	6.20	6.22	6.23	6.26	6.25	6.32	6.34	6.35
FINANCE, INSURANCE, AND REAL ESTATE	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES	6.65	6.71	6.72	6.72	6.90	6.85	6.90	6.96	7.00	7.01	7.04	7.04	7.09
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	261.10	258.69	263.55	263.15	264.89	267.75	267.68	269.08	269.35	268.65	269.52	269.97	270.92
1977 dollars ⁴	167.91	165.93	168.62	168.90	169.69	169.89	168.14	167.97	167.61	166.87	166.53	166.75	-

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

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

³ The 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.

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

⁵ See footnote 2, table C-6.

p = preliminary.

C-9. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	October 1982	November 1982	December 1982	Dec. 1981 to Dec. 1982	Oct. 1982 to Nov. 1982	Nov. 1982 to Dec. 1982
TOTAL	164,351	163,263	163,284	-3.2	-0.7	0.0
PRIVATE SECTOR	133,694	133,180	132,449	-3.6	-0.4	-0.5
MINING	2,292	2,273	2,254	-19.2	-0.9	-0.8
CONSTRUCTION	7,297	7,301	7,243	-6.5	0.1	-0.8
MANUFACTURING	37,355	37,067	36,836	-8.2	-0.8	-0.6
DURABLE GOODS	21,868	21,657	21,486	-10.7	-1.0	-0.8
NONDURABLE GOODS	15,487	15,410	15,350	-4.6	-0.5	-0.4
TRANSPORTATION AND PUBLIC UTILITIES	10,126	10,064	9,987	-4.1	-0.6	-0.8
WHOLESALE AND RETAIL TRADE	34,131	33,892	33,651	-1.6	-0.7	-0.7
FINANCE, INSURANCE, AND REAL ESTATE	10,083	10,092	10,082	0.3	0.1	-0.1
SERVICES	32,410	32,491	32,396	1.1	0.3	-0.3
GOVERNMENT	30,656	30,083	30,835	-1.3	-1.9	2.5

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods*, BLS Bulletin 2134-1—Chapter 13. Productivity Measures: Business Economy and Major Sectors.

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

(1977=100)

Item	Annual average		Quarterly indexes										
			1980 I	1980 II	1980 III	1980 IV	1981 I	1981 II	1981 III	1981 IV	1982 I	1982 II	1982 III
	1980	1981											
BUSINESS SECTOR:													
Output per hour of all persons	98.9	100.7	99.3	98.2	98.9	99.3	100.7	100.7	101.0	100.2	100.0	100.3	101.4
Output	106.2	108.9	107.9	104.7	105.3	107.0	109.1	109.1	109.6	107.8	106.3	106.4	106.9
Hours	107.4	108.2	108.7	106.6	106.5	107.7	108.3	108.3	108.5	107.5	106.3	106.1	105.4
Compensation per hour	131.4	144.1	126.7	130.0	133.1	136.1	140.0	142.5	145.6	148.2	150.9	153.4	155.7
Real compensation per hour	96.7	96.0	97.0	96.4	96.9	96.2	96.2	96.4	95.7	95.6	96.5	97.1	96.8
Unit labor costs	132.9	143.1	127.6	132.3	134.7	137.0	139.0	141.5	144.2	147.9	150.9	152.9	153.6
Unit nonlabor payments	119.3	135.2	116.0	116.2	120.6	124.6	131.8	133.4	137.4	138.3	136.4	137.0	140.1
Implicit price deflator	128.3	140.4	123.7	126.9	129.9	132.8	136.5	138.8	141.9	144.6	146.0	147.5	149.0
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	98.5	99.9	98.7	97.6	98.4	99.2	100.4	100.0	100.0	99.1	99.2	99.4	100.4
Output	106.3	108.6	107.9	104.6	105.3	107.3	109.2	109.0	109.1	107.1	106.0	106.1	106.4
Hours	108.0	108.7	109.3	107.2	107.0	108.2	108.8	109.0	109.1	108.1	106.8	106.7	106.0
Compensation per hour	130.9	143.6	126.2	129.3	132.6	135.7	139.5	142.0	145.1	147.7	150.4	152.7	155.1
Real compensation per hour	96.3	95.7	96.6	96.0	96.5	95.9	96.0	96.0	95.4	95.3	96.3	96.6	96.4
Unit labor costs	133.0	143.8	127.8	132.5	134.7	136.8	139.0	141.9	145.1	149.0	151.6	153.5	154.5
Unit nonlabor payments	119.1	134.8	115.2	116.7	120.3	124.4	131.5	132.8	136.7	138.4	136.7	137.2	140.3
Implicit price deflator	128.3	140.8	123.6	127.2	129.9	132.7	136.5	138.9	142.3	145.5	146.6	148.1	149.8
MANUFACTURING:													
Output per hour of all persons	101.7	104.5	102.6	100.4	100.3	103.6	105.2	105.0	105.0	102.8	102.1	102.3	104.2
Output	103.6	105.9	107.8	101.6	99.9	105.0	106.7	107.5	107.4	102.0	98.2	97.0	96.6
Hours	101.8	101.3	105.1	101.1	99.6	101.3	101.5	102.4	102.3	99.2	96.2	94.8	92.8
Compensation per hour	132.8	146.4	127.1	130.9	135.2	138.4	142.6	144.9	147.3	150.7	154.7	157.6	160.0
Real compensation per hour	97.7	97.5	97.3	97.1	98.5	97.8	98.0	97.9	96.8	97.2	99.0	99.7	99.4
Unit labor costs	130.6	140.0	123.9	130.3	134.9	133.6	135.5	138.0	140.3	146.6	151.5	154.0	153.6
DURABLE GOODS													
Output per hour of all persons	100.3	103.4	101.2	99.2	98.3	102.2	104.2	104.0	103.7	101.5	100.3	100.5	102.3
Output	103.5	106.1	108.9	101.4	98.8	104.9	107.0	108.2	107.8	101.6	96.8	95.2	94.2
Hours	103.2	102.6	107.6	102.2	100.4	102.7	102.7	104.0	103.9	100.0	96.5	94.7	92.1
Compensation per hour	132.6	146.5	126.6	130.4	135.0	138.5	142.7	144.7	147.2	151.0	154.8	157.7	160.5
Real compensation per hour	97.5	97.6	96.9	96.8	98.3	97.9	98.2	97.9	96.7	97.4	99.1	99.8	99.7
Unit labor costs	132.2	141.6	125.1	131.4	137.3	135.6	137.0	139.2	142.0	148.7	154.3	156.9	156.9
NONDURABLE GOODS													
Output per hour of all persons	104.0	106.2	104.7	102.3	103.2	105.8	106.7	106.5	107.0	104.6	104.9	105.1	106.8
Output	103.7	105.6	106.2	101.8	101.5	105.1	106.4	106.5	106.9	102.6	100.4	99.6	100.2
Hours	99.7	99.4	101.5	99.5	98.4	99.3	99.7	99.9	99.8	98.1	95.7	94.8	93.8
Compensation per hour	132.8	145.6	127.2	131.3	135.4	137.6	141.8	144.4	146.7	149.6	154.3	157.5	159.4
Real compensation per hour	97.7	97.0	97.3	97.4	98.6	97.2	97.5	97.7	96.5	96.5	98.8	99.7	99.1
Unit labor costs	127.7	137.1	121.5	128.4	131.2	130.1	132.9	135.6	137.1	143.1	147.2	150.0	149.2
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	100.3	102.0	100.2	99.3	100.6	101.1	102.3	102.2	102.2	101.6	101.6	102.3	p103.5
Output	108.1	110.7	109.8	106.5	107.1	109.0	111.0	111.1	111.5	109.4	107.9	107.8	p108.0
Hours	107.8	108.5	109.6	107.2	106.5	107.8	108.5	108.8	109.1	107.7	106.2	105.3	p104.3
Compensation per hour	130.9	143.5	126.1	129.3	132.6	135.6	139.6	141.9	144.8	147.7	150.7	153.0	p155.2
Real compensation per hour	96.2	95.6	96.5	95.9	96.6	95.8	96.0	96.0	95.2	95.3	96.5	96.8	p96.4
Total unit costs	131.0	143.4	125.0	130.4	132.9	135.8	138.3	141.7	144.7	149.1	151.8	153.8	p154.8
Unit labor costs	130.5	140.6	125.8	130.2	131.9	134.1	136.5	138.9	141.7	145.4	148.3	149.5	p150.0
Unit nonlabor costs	132.5	151.4	122.7	131.0	135.7	140.7	143.4	149.6	153.1	159.6	161.8	166.0	p168.5
Unit profits	87.9	101.6	91.1	81.9	87.8	90.5	104.7	98.8	105.2	97.6	86.1	82.3	p88.7
Implicit price deflator	126.1	138.6	121.1	124.8	127.7	130.6	134.5	136.8	140.2	143.2	144.3	145.6	p147.2

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					
	1981 I to 1981 II	1981 II to 1981 III	1981 III to 1981 IV	1981 IV to 1982 I	1982 I to 1982 II	1982 II to 1982 III	1980 I to 1981 II	1980 III to 1981 III	1980 IV to 1981 IV	1982 I to 1982 II	1982 II to 1982 III	
	1981 I to 1981 II	1981 II to 1981 III	1981 III to 1981 IV	1981 IV to 1982 I	1982 I to 1982 II	1982 II to 1982 III	1980 I to 1981 II	1980 III to 1981 III	1980 IV to 1981 IV	1982 I to 1982 II	1982 II to 1982 III	
BUSINESS SECTOR:												
Output per hour of all persons	0.0	1.1	-2.9	-1.0	1.4	4.2	2.5	2.2	0.9	-0.7	-0.4	0.4
Output	-0.1	1.9	-6.4	-5.5	0.6	1.7	4.1	4.1	0.7	-2.6	-2.4	-2.5
Hours	-0.1	0.8	-3.6	-4.5	-0.8	-2.4	1.6	1.9	-0.2	-1.9	-2.1	-2.8
Compensation per hour	7.5	9.0	7.4	7.3	6.9	6.1	9.7	9.4	8.9	7.8	7.6	6.9
Real compensation per hour	0.5	-2.6	-0.4	3.9	2.2	-1.4	-0.1	-1.3	-0.6	0.3	0.8	1.1
Unit labor costs	7.5	7.8	10.6	8.4	5.5	1.8	6.9	7.1	7.9	8.6	8.1	6.5
Unit nonlabor payments	4.9	12.5	2.9	-5.4	1.7	9.3	14.8	13.9	11.0	3.5	2.7	2.0
Implicit price deflator	6.6	9.3	8.0	3.8	4.3	4.1	9.4	9.2	8.9	6.9	6.3	5.0
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-1.3	-0.3	-3.5	0.6	0.8	4.0	2.5	1.6	-0.1	-1.1	-0.6	0.4
Output	-0.8	0.3	-7.1	-4.2	0.6	1.2	4.2	3.6	-0.2	-3.0	-2.6	-2.4
Hours	0.5	0.6	-3.7	-4.7	-0.1	-2.7	1.6	2.0	-0.1	-1.9	-2.0	-2.8
Compensation per hour	7.1	9.0	7.3	7.7	6.1	6.6	9.8	9.4	8.8	7.8	7.5	6.9
Real compensation per hour	0.1	-2.6	-0.5	4.3	1.4	-0.9	0.0	-1.2	-0.6	0.3	0.6	1.1
Unit labor costs	8.6	9.3	11.2	7.1	5.2	2.6	7.1	7.7	8.9	9.0	8.2	6.5
Unit nonlabor payments	4.0	12.1	5.1	-4.6	1.3	9.5	13.8	13.6	11.2	4.0	3.3	2.7
Implicit price deflator	7.1	10.2	9.2	3.3	4.0	4.7	9.2	9.6	9.6	7.4	6.6	5.3
MANUFACTURING:												
Output per hour of all persons	-0.7	-0.1	-8.2	-2.4	0.8	7.3	4.5	4.7	-0.8	-2.9	-2.5	-0.8
Output	2.8	-0.4	-18.7	-13.8	-5.1	-1.5	5.8	7.5	-2.9	-8.0	-9.8	-10.0
Hours	3.6	-0.3	-11.4	-11.7	-5.9	-8.1	1.2	2.7	-2.1	-5.2	-7.4	-9.3
Compensation per hour	6.6	6.8	9.6	11.1	7.8	6.2	10.7	8.9	8.9	8.5	8.8	8.7
Real compensation per hour	-0.4	-4.6	1.6	7.6	3.1	-1.3	0.9	-1.7	-0.6	1.0	1.8	2.7
Unit labor costs	7.3	6.8	19.4	13.9	6.9	-1.0	5.9	4.0	9.8	11.7	11.6	9.5
DURABLE GOODS												
Output per hour of all persons	-0.7	-1.3	-8.0	-4.9	0.9	7.4	4.8	5.4	-0.6	-3.8	-3.4	-1.3
Output	4.5	-1.6	-21.1	-17.5	-6.4	-4.2	6.7	9.1	-3.2	-9.5	-12.0	-12.6
Hours	5.3	-0.3	-14.2	-13.2	-7.2	-10.7	1.8	3.5	-2.6	-6.0	-8.9	-11.4
Compensation per hour	5.7	6.9	10.9	10.3	7.7	7.4	11.0	9.0	9.1	8.4	8.9	9.1
Real compensation per hour	-1.2	-4.5	2.9	6.8	2.9	-0.2	1.1	-1.6	-0.4	0.9	1.9	3.1
Unit labor costs	6.5	8.3	20.5	15.9	6.7	0.0	5.9	3.4	9.7	12.7	12.7	10.5
NONDURABLE GOODS												
Output per hour of all persons	-0.7	1.8	-8.8	1.1	0.7	7.0	4.2	3.7	-1.1	-1.7	-1.4	-0.2
Output	0.3	1.4	-15.1	-8.3	-3.2	2.5	4.6	5.3	-2.4	-5.6	-6.5	-6.2
Hours	1.0	-0.4	-6.9	-9.3	-3.9	-4.2	0.4	1.5	-1.2	-4.0	-5.2	-6.1
Compensation per hour	7.6	6.5	8.2	13.2	8.5	4.8	10.0	8.4	8.7	8.8	9.1	8.6
Real compensation per hour	0.6	-4.8	0.3	9.6	3.8	-2.6	0.2	-2.2	-0.7	1.3	2.1	2.7
Unit labor costs	8.3	4.6	18.5	12.0	7.8	-2.0	5.6	4.5	10.0	10.8	10.6	8.8
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-0.4	0.2	-2.4	0.3	2.7	p4.6	2.9	1.6	0.5	-0.6	0.2	p1.3
Output	0.6	1.5	-7.5	-5.2	-0.4	p0.6	4.4	4.1	0.3	-2.7	-3.0	p-3.2
Hours	1.0	1.2	-5.1	-5.5	-3.1	p-3.8	1.5	2.4	-0.1	-2.2	-3.1	p-4.4
Compensation per hour	6.8	8.4	8.2	8.4	6.2	p5.9	9.8	9.2	8.9	8.0	7.8	p7.2
Real compensation per hour	-0.1	-3.1	0.3	5.0	1.6	p-1.6	0.0	-1.4	-0.5	0.5	0.9	p1.3
Total unit costs	10.2	8.6	12.8	7.4	5.4	p2.6	8.7	8.9	9.8	9.7	8.5	p7.0
Unit labor costs	7.3	8.2	10.9	8.1	3.4	p1.2	6.7	7.5	8.4	8.6	7.6	p5.8
Unit nonlabor costs	18.5	9.8	17.8	5.7	10.7	p6.4	14.2	12.9	13.4	12.8	10.9	p10.1
Unit profits	-20.8	28.4	-25.9	-39.4	-16.7	p35.4	20.7	19.7	7.9	-17.8	-16.7	p-15.6
Implicit price deflator	7.1	10.2	8.9	3.0	3.8	p4.6	9.6	9.7	9.6	7.3	6.4	p5.0

GPO 873-878

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
ALABAMA	\$283.06	\$288.00	\$290.80	39.7	40.0	40.0	\$7.13	\$7.20	\$7.27
Birmingham	313.63	293.76	294.13	39.5	38.4	38.6	7.94	7.65	7.62
Mobile	373.42	389.99	392.12	40.9	41.8	42.0	9.13	9.33	9.36
ALASKA	445.84	442.18	(*)	35.3	33.6	(*)	12.63	13.16	(*)
ARIZONA	332.33	334.16	338.82	39.8	38.5	38.9	8.35	8.68	8.71
ARKANSAS	245.24	266.17	263.04	38.2	35.2	38.4	6.42	6.79	6.85
Fayetteville—Springdale	227.12	240.17	236.38	38.3	38.8	37.7	5.93	6.19	6.27
Fort Smith	232.58	271.83	278.88	36.8	39.0	40.3	6.32	6.97	6.92
Little Rock—North Little Rock	285.67	311.26	322.00	38.5	39.3	40.3	7.42	7.92	7.99
Pine Bluff	328.85	361.42	367.13	40.8	40.7	40.3	8.06	8.88	9.11
CALIFORNIA	354.12	366.76	366.28	39.7	39.1	39.3	8.92	9.38	9.32
COLORADO	331.14	336.48	340.16	39.8	39.4	39.6	8.32	8.54	8.59
Denver—Boulder	333.04	349.77	352.73	39.6	39.3	39.7	8.41	8.90	8.91
CONNECTICUT	325.40	336.04	342.69	41.4	40.1	40.7	7.86	8.38	8.42
Bridgeport	344.16	351.82	358.16	42.7	40.3	40.7	8.06	8.73	8.80
Hartford	342.37	365.89	374.92	41.2	40.7	41.2	8.31	8.99	9.10
New Britain	331.06	340.80	354.60	41.8	40.0	40.9	7.92	8.52	8.67
New Haven—West Haven	304.50	318.67	315.45	39.7	39.1	39.1	7.67	8.15	8.17
Stamford	295.88	325.22	331.68	40.8	40.4	40.4	7.35	8.05	8.21
Waterbury	268.21	280.76	282.50	41.2	39.6	40.3	6.51	7.09	7.01
DELAWARE	320.97	331.01	324.37	39.0	38.4	38.8	8.23	8.62	8.36
Wilmington	380.24	395.78	390.17	39.2	38.5	38.9	9.70	10.28	10.03
DISTRICT OF COLUMBIA:									
Washington SMSA	359.96	378.84	376.32	39.6	38.5	39.2	9.09	9.84	9.60
FLORIDA	272.83	283.93	290.97	40.6	39.6	40.3	6.72	7.17	7.22
Fort Lauderdale—Hollywood	266.28	268.62	277.67	42.0	39.1	40.3	6.34	6.87	6.89
Jacksonville	327.89	323.47	332.48	42.2	39.4	40.3	7.77	8.21	8.25
Lakeland—Winter Haven	290.49	290.79	301.33	42.1	40.5	42.5	6.90	7.18	7.09
Miami	237.42	238.79	241.56	41.8	39.6	39.6	5.63	6.03	6.10
Orlando	306.40	319.06	319.18	43.4	40.8	40.3	7.06	7.82	7.92
Pensacola	348.87	362.29	352.23	43.5	39.9	41.1	8.02	9.08	8.57
Tampa—St. Petersburg	270.12	281.80	287.99	39.9	40.2	41.2	6.77	7.01	6.99
West Palm Beach—Boca Raton	301.91	305.31	332.42	41.7	40.6	42.4	7.24	7.52	7.84
GEORGIA	262.02	270.92	274.97	39.7	39.9	40.2	6.60	6.79	6.84
Atlanta	310.47	317.52	319.93	39.4	39.2	39.4	7.88	8.10	8.12
Savannah	356.15	387.54	401.40	42.5	43.3	45.0	8.38	8.95	8.92
HAWAII	298.76	318.84	314.50	38.6	38.6	38.4	7.74	8.26	8.19
Honolulu	299.49	315.25	312.16	38.2	37.8	37.7	7.84	8.34	8.28
IDAHO	325.46	314.13	310.43	37.8	35.9	35.6	8.61	8.75	8.72
Boise City	303.38	313.50	286.96	38.5	38.0	33.8	7.88	8.25	8.49
ILLINOIS	364.80	368.09	372.49	40.0	39.2	39.5	9.12	9.39	9.43
Bloomington—Normal	333.52	330.78	351.45	39.1	37.0	39.4	8.53	8.94	8.92
Champaign—Urbana—Rantoul	319.37	340.07	346.26	38.9	38.6	39.8	8.21	8.81	8.70
Chicago SMSA ¹	332.48	361.62	366.37	39.3	38.8	39.1	8.46	9.32	9.37
Davenport—Rock Island—Moline	437.76	453.55	458.95	38.4	38.6	38.6	11.40	11.75	11.89
Decatur	432.67	451.63	473.15	38.7	38.8	40.2	11.18	11.64	11.77
Kankakee	292.56	310.90	300.40	36.8	37.1	36.5	7.95	8.38	8.23
Peoria	476.08	417.48	429.95	38.8	39.2	40.6	12.27	10.65	10.59
Rockford	371.59	377.60	377.74	40.7	40.0	40.1	9.13	9.44	9.42
Springfield	411.88	472.94	440.57	40.7	42.8	41.8	10.12	11.05	10.54
INDIANA	375.71	382.00	386.51	39.3	38.9	39.4	9.56	9.82	9.81
Gary—Hammond—East Chicago	503.49	495.20	(*)	39.0	36.9	(*)	12.91	13.42	(*)
Indianapolis	379.60	386.48	(*)	40.0	40.3	(*)	9.49	9.59	(*)
IOWA	391.44	396.93	395.18	39.7	39.3	39.4	9.86	10.10	10.03
Cedar Rapids	401.71	408.44	418.20	40.7	40.4	40.8	9.87	10.11	10.25
Des Moines	394.72	431.64	414.26	37.7	39.6	38.5	10.47	10.90	10.76

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
IOWA—Continued									
Dubuque	\$422.14	\$414.26	\$402.75	38.8	38.5	40.6	\$10.88	\$10.76	\$9.92
Sioux City	293.37	387.37	380.56	38.1	40.1	39.6	7.70	9.66	9.61
Waterloo—Cedar Falls	494.98	511.04	476.16	38.4	39.1	38.4	12.89	13.07	12.40
KANSAS	339.33	357.98	349.00	40.3	39.6	38.1	8.42	9.04	9.16
Topeka	342.65	339.85	301.60	38.2	36.9	32.5	8.97	9.21	9.28
Wichita	380.05	404.59	409.60	41.4	39.9	40.0	9.18	10.14	10.24
KENTUCKY	303.16	324.86	327.79	37.8	38.4	38.7	8.02	8.46	8.47
Lexington—Fayette	331.30	376.40	377.35	39.3	40.0	41.7	8.43	9.41	9.05
Louisville	356.05	387.11	354.22	37.4	39.3	39.7	9.52	9.85	9.93
LOUISIANA	379.76	380.69	386.10	43.5	40.2	40.9	8.73	9.47	9.44
Baton Rouge	450.24	462.92	481.66	42.0	40.5	42.4	10.72	11.43	11.36
New Orleans	370.97	359.42	372.30	42.3	38.4	40.6	8.77	9.36	9.17
Shreveport	335.71	326.04	324.48	41.6	39.0	38.4	8.07	8.36	8.45
MAINE	278.40	294.52	299.41	40.0	39.8	39.5	6.96	7.40	7.58
Lewiston—Auburn	219.62	229.46	227.66	37.8	38.5	37.2	5.81	5.96	6.12
Portland	258.23	284.10	290.67	38.6	38.6	37.7	6.69	7.36	7.71
MARYLAND	340.23	353.53	357.11	39.7	39.5	39.9	8.57	8.95	8.95
Baltimore	361.09	382.04	384.61	40.3	40.3	40.7	8.96	9.48	9.45
MASSACHUSETTS	286.80	299.52	300.29	40.0	38.4	38.4	7.17	7.80	7.82
Boston	310.37	321.26	323.47	40.1	38.2	38.6	7.74	8.41	8.38
Brockton	232.26	235.21	244.02	39.3	37.1	37.6	5.91	6.34	6.49
Fall River	210.90	209.68	196.71	36.3	34.6	32.3	5.81	6.06	6.09
Lawrence—Haverhill	293.57	305.36	303.80	39.3	38.8	38.7	7.47	7.87	7.85
Lowell	266.26	271.40	273.08	40.9	37.8	38.3	6.51	7.18	7.13
New Bedford	229.40	245.35	239.74	35.9	34.9	34.2	6.39	7.03	7.01
Springfield—Chicopee—Holyoke	294.65	310.84	317.12	41.5	39.8	40.5	7.10	7.81	7.83
Worcester	294.32	301.72	307.85	39.4	38.0	38.1	7.47	7.94	8.08
MICHIGAN	431.40	442.90	456.14	39.7	39.8	40.7	10.86	11.12	11.22
Ann Arbor	472.41	472.57	486.28	42.0	41.3	42.4	11.25	11.45	11.47
Battle Creek	425.54	457.64	467.86	39.9	38.9	39.5	10.67	11.77	11.83
Bay City	381.64	382.34	396.18	40.6	40.2	41.0	9.40	9.51	9.65
Detroit	465.51	469.97	492.73	40.6	40.0	41.4	11.47	11.75	11.89
Flint	487.18	513.29	526.59	38.8	39.9	40.4	12.54	12.87	13.03
Grand Rapids	352.37	364.43	365.22	39.5	39.1	39.2	8.92	9.33	9.32
Jackson	383.49	396.82	392.44	40.7	41.0	41.2	9.41	9.67	9.52
Kalamazoo—Portage	396.00	405.38	412.64	39.3	39.6	39.9	10.06	10.24	10.35
Lansing—East Lansing	470.90	487.13	490.12	36.9	39.5	40.3	12.78	12.35	12.17
Muskegon—Norton Shores—Muskegon Heights	360.87	381.20	384.43	39.6	38.5	39.1	9.12	9.90	9.83
Saginaw	480.95	496.30	497.02	38.5	39.1	39.4	12.50	12.68	12.60
MINNESOTA	339.55	360.89	363.78	39.3	39.1	39.2	8.64	9.23	9.28
Duluth—Superior	338.24	334.18	338.64	39.7	34.1	34.4	8.52	9.80	9.95
Minneapolis—St. Paul	353.60	380.05	380.83	38.9	39.1	39.1	9.09	9.72	9.74
St. Cloud	259.54	271.60	267.73	35.7	35.0	33.3	7.27	7.76	8.04
MISSISSIPPI	239.85	255.02	253.49	39.0	39.6	39.3	6.15	6.44	6.45
Jackson	260.41	275.93	280.60	39.1	38.7	39.3	6.66	7.13	7.14
MISSOURI	318.70	331.19	334.37	39.2	38.6	38.7	8.13	8.58	8.64
Kansas City	375.20	375.20	387.68	40.0	38.8	39.6	9.38	9.67	9.79
St. Joseph	287.25	302.86	320.66	38.3	38.0	39.2	7.50	7.97	8.18
St. Louis	363.66	385.34	385.34	39.4	39.2	39.2	9.23	9.83	9.83
Springfield	281.99	299.53	299.51	37.3	38.9	39.1	7.56	7.70	7.66
MONTANA	354.46	396.21	388.61	37.0	39.9	38.9	9.58	9.93	9.99
NEBRASKA	328.85	341.60	339.44	40.8	40.0	39.7	8.06	8.54	8.55
Lincoln	301.88	336.78	346.02	37.5	38.8	39.5	8.05	8.68	8.76
Omaha	344.92	349.72	356.07	40.2	38.6	39.0	8.58	9.06	9.13
NEVADA	335.63	338.69	334.28	37.5	37.8	37.9	8.95	8.96	8.82
Las Vegas	441.05	432.67	(*)	40.5	38.7	(*)	10.89	11.18	(*)

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. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
NEW HAMPSHIRE	\$262.28	\$282.03	\$284.72	39.5	39.5	39.6	\$6.64	\$7.14	\$7.19
Manchester	240.71	262.28	263.64	38.7	39.5	39.0	6.22	6.64	6.76
Nashua	295.11	333.04	342.19	39.4	39.6	40.4	7.49	8.41	8.47
NEW JERSEY	332.84	352.96	358.16	40.8	40.2	40.7	8.16	8.78	8.80
Atlantic City	265.99	279.66	295.26	39.0	39.5	39.9	6.81	7.08	7.40
Camden ?	329.52	370.98	371.59	40.4	40.5	40.7	8.16	9.16	9.13
Hackensack ?	297.05	310.84	312.84	40.7	39.8	39.6	7.29	7.81	7.90
Jersey City ?	315.10	333.20	332.64	40.5	40.0	39.6	7.79	8.33	8.40
New Brunswick—Perth Amboy—Sayreville ?	386.75	391.60	396.09	42.4	40.0	40.5	9.13	9.79	9.78
Newark ?	343.18	358.80	363.69	41.1	40.0	40.5	8.35	8.97	8.98
Paterson—Clifton—Passaic ?	316.55	315.83	327.02	41.3	38.8	39.4	7.66	8.14	8.30
Trenton	330.10	340.86	350.72	38.8	39.0	39.9	8.50	8.74	8.79
NEW MEXICO	270.07	293.09	289.20	39.6	39.5	40.0	6.82	7.42	7.23
Albuquerque	278.69	314.02	319.19	39.7	39.4	39.7	7.02	7.97	8.04
NEW YORK	315.20	325.40	332.28	39.4	38.6	39.0	8.00	8.43	8.52
Albany—Schenectady—Troy	330.85	349.36	352.72	40.2	39.7	39.9	8.23	8.80	8.84
Binghamton	303.68	295.11	306.64	41.6	39.4	40.4	7.30	7.49	7.50
Buffalo	412.63	420.16	438.07	40.1	39.6	40.6	10.29	10.61	10.79
Elmira	320.80	341.68	351.54	40.1	39.5	40.5	8.00	8.65	8.68
Monroe County ?	430.14	446.60	451.66	41.6	40.6	40.8	10.34	11.00	11.07
Nassau—Suffolk ?	307.53	327.46	329.47	40.2	39.5	39.6	7.65	8.29	8.32
New York—Northeastern New Jersey	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
New York and Nassau—Suffolk ?	274.74	289.79	293.96	38.0	37.2	37.4	7.23	7.79	7.86
New York SMSA ?	265.54	278.50	283.73	37.4	36.5	36.8	7.10	7.63	7.71
New York City ?	263.75	275.15	282.96	37.2	36.3	36.7	7.09	7.58	7.71
Poughkeepsie	335.62	340.27	360.47	43.7	41.7	43.8	7.68	8.16	8.23
Rochester	398.40	420.02	427.22	41.2	40.7	41.0	9.67	10.32	10.42
Rockland County ?	317.98	333.72	337.73	40.2	39.4	39.5	7.91	8.47	8.55
Syracuse	352.87	362.69	358.66	40.7	39.9	38.9	8.67	9.09	9.22
Utica—Rome	302.35	303.31	304.18	40.1	38.2	38.7	7.54	7.94	7.86
Westchester County ?	264.11	296.35	277.14	38.5	37.8	37.1	6.86	7.84	7.47
NORTH CAROLINA	238.39	246.02	249.36	38.7	38.5	38.6	6.16	6.39	6.46
Asheville	238.80	245.63	251.37	39.8	39.3	39.9	6.00	6.25	6.30
Charlotte—Gastonia	243.54	251.68	254.28	39.6	38.9	39.0	6.15	6.47	6.52
Greensboro—Winston-Salem—High Point	266.17	267.47	273.64	38.8	37.2	37.9	6.86	7.19	7.22
Raleigh—Durham	281.69	294.78	295.44	39.9	39.2	39.4	7.06	7.52	7.60
NORTH DAKOTA	276.05	279.38	284.63	38.5	37.3	37.8	7.17	7.49	7.53
Fargo—Moorhead	291.91	266.61	285.56	39.5	35.5	37.9	7.39	7.51	7.64
OHIO	398.45	404.59	409.24	40.7	39.9	40.2	9.79	10.14	10.18
Akron	402.55	401.76	404.56	41.5	40.5	40.7	9.70	9.92	9.94
Canton	398.40	403.37	412.91	39.8	38.6	39.4	10.01	10.45	10.48
Cincinnati	372.28	387.13	400.46	41.0	40.2	41.2	9.08	9.63	9.72
Cleveland	401.06	397.88	401.65	40.8	39.2	39.3	9.83	10.15	10.22
Columbus	364.72	376.75	383.80	40.3	39.7	40.4	9.05	9.49	9.50
Dayton	405.08	393.79	386.88	41.0	39.3	39.0	9.88	10.02	9.92
Toledo	415.95	454.71	458.30	40.7	41.3	41.4	10.22	11.01	11.07
Youngstown—Warren	472.28	453.52	457.38	40.4	39.3	39.6	11.69	11.54	11.55
OKLAHOMA	339.69	349.48	350.15	40.2	39.4	39.7	8.45	8.87	8.82
Oklahoma City	348.94	361.68	358.41	40.2	38.6	39.0	8.68	9.37	9.19
Tulsa	367.92	379.46	378.28	41.2	39.2	39.2	8.93	9.68	9.65
OREGON	358.30	377.13	391.79	36.9	37.6	38.6	9.71	10.03	10.15
Eugene—Springfield	376.09	389.44	407.67	37.2	37.7	38.9	10.11	10.33	10.48
Jackson County	318.91	362.78	(*)	35.2	37.4	(*)	9.06	9.70	(*)
Portland	373.38	392.54	(*)	38.1	38.0	(*)	9.80	10.33	(*)
Salem	300.50	281.64	(*)	33.5	34.9	(*)	8.97	8.07	(*)
PENNSYLVANIA	332.87	328.42	335.72	39.3	38.1	38.5	8.47	8.67	8.72
Allentown—Bethlehem—Easton	341.33	319.80	322.77	38.7	37.1	37.1	8.82	8.62	8.70
Altoona	281.30	277.86	281.23	38.8	37.6	37.8	7.25	7.39	7.44
Delaware Valley ?	345.66	347.14	352.69	40.1	38.4	38.8	8.62	9.04	9.09
Erie	366.50	372.89	378.51	41.6	40.4	40.7	8.81	9.23	9.30
Harrisburg	313.19	320.93	324.69	39.1	38.9	38.7	8.01	8.25	8.39
Johnstown	323.69	269.87	274.48	36.7	33.4	35.1	8.82	8.08	7.82

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. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
PENNSYLVANIA—Continued									
Lancaster	\$290.94	\$303.80	\$310.44	39.0	38.8	39.0	\$7.46	\$7.83	\$7.96
Northeast Pennsylvania	243.57	253.01	251.26	37.3	36.3	26.1	6.53	6.97	6.96
Philadelphia SMSA	344.97	350.62	355.81	40.3	38.7	39.1	8.56	9.06	9.10
Pittsburgh	411.03	397.13	405.84	40.1	37.5	38.0	10.25	10.59	10.68
Reading	318.80	314.87	318.59	39.8	37.8	38.2	8.01	8.33	8.34
Williamsport	323.19	321.50	316.61	39.9	39.4	38.8	8.10	8.16	8.16
York	312.94	309.87	312.66	40.8	40.4	40.5	7.67	7.67	7.72
RHODE ISLAND									
Providence—Warwick—Pawtucket	251.60	254.51	262.47	40.0	38.1	39.0	6.29	6.68	6.73
	250.63	252.50	261.19	40.1	38.2	39.1	6.25	6.61	6.68
SOUTH CAROLINA									
Charleston—North Charleston	257.92	263.42	268.77	40.3	39.2	39.7	6.40	6.72	6.77
Columbia	275.09	277.05	295.68	38.8	37.9	38.4	7.09	7.31	7.70
Greenville—Spartanburg	244.28	250.64	258.33	39.4	38.5	39.2	6.20	6.51	6.59
	254.97	249.74	251.55	40.6	38.9	39.0	6.28	6.42	6.45
SOUTH DAKOTA									
Sioux Falls	308.35	297.11	319.82	41.5	40.7	42.7	7.43	7.30	7.49
	462.72	415.36	485.87	48.0	47.2	52.3	9.64	8.80	9.29
TENNESSEE									
Chattanooga	272.23	281.91	286.70	39.8	39.1	39.6	6.84	7.21	7.24
Knoxville	266.58	278.50	285.42	40.7	39.9	40.2	6.55	6.98	7.10
Memphis	300.68	318.63	325.60	39.1	39.0	40.0	7.69	8.17	8.14
Nashville—Davidson	308.40	296.80	299.87	40.0	38.1	38.2	7.71	7.79	7.85
	314.71	316.80	319.20	41.3	40.0	40.0	7.62	7.92	7.98
TEXAS									
Dallas—Fort Worth	339.06	347.73	352.57	41.5	40.2	40.5	8.17	8.65	8.73
Houston	324.28	334.84	342.19	41.1	40.1	40.4	7.89	8.35	8.47
San Antonio	440.45	429.08	433.65	44.4	41.1	41.3	9.92	10.44	10.50
	248.85	243.46	247.04	41.2	38.1	38.6	6.04	6.39	6.40
UTAH									
Salt Lake City—Ogden	317.19	327.28	336.30	40.1	38.1	38.7	7.91	8.59	8.69
	309.50	334.51	342.51	40.3	39.4	40.2	7.68	8.49	8.53
VERMONT									
Burlington	277.85	294.32	296.72	39.3	39.4	39.3	7.07	7.47	7.55
Springfield	307.09	339.06	337.39	41.0	40.9	40.6	7.49	8.29	8.31
	304.10	305.76	311.63	39.7	39.0	39.8	7.66	7.84	7.83
VIRGINIA									
Bristol	282.27	282.21	290.61	39.7	38.5	38.8	7.11	7.33	7.49
Lynchburg	237.31	243.38	235.30	38.4	37.1	36.2	6.18	6.56	6.50
Norfolk—Virginia Beach—Portsmouth	287.34	263.67	265.95	40.7	37.4	37.3	7.06	7.05	7.13
Northern Virginia	301.99	316.88	322.22	40.7	41.1	41.1	7.42	7.71	7.84
Petersburg—Colonial Heights—Hopewell	300.17	317.58	319.60	40.4	39.5	40.1	7.43	8.04	7.97
Richmond	354.24	384.96	368.55	38.8	40.1	39.0	9.13	9.60	9.45
Roanoke	366.13	356.13	364.62	41.0	38.5	38.3	8.93	9.25	9.52
	260.56	271.72	268.54	39.3	39.9	40.2	6.63	6.81	6.68
WASHINGTON									
Seattle—Everett	413.26	441.83	(*)	38.3	39.1	(*)	10.79	11.30	(*)
	441.69	(*)	(*)	39.9	(*)	(*)	11.07	(*)	(*)
WEST VIRGINIA									
Charleston	362.21	363.47	383.76	39.2	38.1	39.0	9.24	9.54	9.84
Huntington—Ashland	438.69	456.21	465.47	41.9	41.1	42.9	10.47	11.10	10.85
Parkersburg—Martetta	418.03	384.71	417.76	39.4	36.5	37.3	10.61	10.54	11.20
Wheeling	408.36	423.63	441.08	41.5	40.5	41.3	9.84	10.46	10.68
	411.13	407.73	416.81	39.8	37.1	39.1	10.33	10.99	10.66
WISCONSIN									
Appleton—Oshkosh	366.73	375.03	385.25	40.2	39.4	40.1	9.12	9.51	9.62
Eau Claire	361.92	370.58	380.21	41.7	41.5	41.7	8.68	8.94	9.11
Green Bay	359.72	369.20	372.16	41.2	39.8	41.0	8.74	9.28	9.07
Janesville—Beloit	388.54	411.98	417.08	41.6	41.3	41.6	9.34	9.97	10.02
Kenosha	365.68	393.60	381.93	40.0	39.7	40.2	9.15	9.90	9.50
La Crosse	408.52	500.83	504.38	38.5	41.3	42.1	10.62	12.12	11.99
Madison	326.60	341.61	347.39	39.7	39.0	39.3	8.23	8.76	8.85
Milwaukee	337.16	365.04	354.31	38.0	39.1	38.4	8.88	9.35	9.22
Racine	405.17	413.48	427.42	40.3	39.0	40.0	10.06	10.59	10.68
	391.90	406.21	404.90	40.1	39.9	39.6	9.77	10.19	10.24
WYOMING									
	313.95	302.59	313.12	39.0	36.5	37.1	8.05	8.29	8.44

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. 1981	OCT. 1982	NCV. 1982P	NOV. 1981	OCT. 1982	NCV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
VIRGIN ISLANDS	\$394.62	\$419.18	\$445.15	42.8	42.6	43.9	\$9.22	\$9.84	\$10.14

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

Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
⁸ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
 p = preliminary.
 *Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1981	OCT 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
ALABAMA	1,672.8	1,726.6	1,721.8	178.5	261.5	263.0	10.7	15.1	15.3
Birmingham	375.6	387.8	388.2	38.3	60.6	59.0	10.2	15.6	15.2
Huntsville	144.0	151.5	151.3	13.7	18.9	19.7	9.5	12.4	13.0
Mobile	189.2	194.0	194.9	18.8	29.6	28.9	9.9	15.3	14.8
Montgomery	121.2	122.6	122.4	10.9	15.0	15.4	9.0	12.3	12.6
Tuscaloosa	54.8	55.1	54.9	5.3	6.7	6.2	9.7	12.1	11.4
ALASKA	193.6	201.3	198.7	18.3	17.3	19.5	9.4	8.6	9.8
ARIZONA	1,288.1	1,354.8	1,355.2	81.9	143.1	141.0	6.4	10.6	10.4
Phoenix	799.0	823.1	823.7	41.3	69.9	69.6	5.2	8.5	8.4
Tucson	234.2	251.2	254.0	13.5	25.9	25.9	5.8	10.3	10.2
ARKANSAS	1,025.4	1,056.8	1,036.7	92.8	102.2	103.2	9.0	9.7	10.0
Fayetteville-Springdale	82.0	82.8	82.4	4.3	5.8	5.8	5.3	7.0	7.1
Fort Smith ¹	88.9	87.1	85.9	9.4	9.5	9.7	10.6	11.0	11.3
Little Rock—North Little Rock	197.2	202.8	201.1	15.1	15.5	15.4	7.7	8.1	7.7
Pine Bluff	40.8	41.5	40.4	3.8	4.4	4.1	9.4	10.6	10.0
CALIFORNIA²	11,891.6	12,273.8	12,231.4	926.5	1,267.6	1,339.5	7.8	10.3	11.0
Anaheim—Santa Ana—Garden Grove	1,181.8	1,227.9	1,229.0	59.1	98.1	98.3	5.0	8.0	8.0
Bakersfield	197.0	208.8	211.0	19.6	28.1	31.8	9.9	13.4	15.1
Fresno	271.2	289.1	285.8	33.6	38.8	44.1	12.4	13.4	15.4
Los Angeles—Long Beach ²	3,742.0	3,746.0	3,717.0	256.0	384.0	391.0	6.8	10.2	10.5
Modesto	139.8	147.3	146.4	20.1	22.1	27.6	14.3	15.0	18.8
Oxnard—Simi Valley—Ventura	251.8	268.7	268.9	22.4	34.3	35.9	8.9	12.8	13.4
Riverside—San Bernardino—Ontario	615.2	650.3	653.4	56.2	87.5	88.2	9.1	13.5	13.5
Sacramento	501.2	516.9	520.0	47.1	56.3	60.9	9.4	10.9	11.7
Salinas—Seaside—Monterey	138.8	146.5	145.6	14.5	13.8	18.5	10.5	9.4	12.7
San Diego	809.0	838.3	838.6	61.1	89.5	90.3	7.6	10.7	10.8
San Francisco—Oakland	1,717.0	1,784.0	1,789.8	106.4	149.7	152.3	6.2	8.4	8.5
San Jose	799.7	836.2	840.5	52.3	65.9	70.8	6.5	7.9	8.4
Santa Barbara—Santa Maria—Lompoc	155.2	162.6	162.8	9.7	13.2	13.9	6.2	8.1	8.5
Santa Rosa	144.1	151.5	150.7	12.7	14.6	15.9	8.8	9.7	10.5
Stockton	171.3	139.0	174.8	24.0	24.4	30.8	14.0	12.9	17.6
Vallejo—Fairfield—Napa	136.1	144.2	144.2	12.6	15.3	17.2	9.3	10.6	12.0
COLORADO	1,538.7	1,588.7	1,579.3	83.9	131.4	140.3	5.4	8.3	8.9
Denver—Boulder	921.7	939.8	938.4	45.2	69.9	73.6	4.9	7.4	7.8
CONNECTICUT	1,591.4	1,600.6	1,597.3	95.6	110.8	110.1	6.0	6.9	6.9
Bridgeport	193.5	194.7	194.8	11.4	16.1	15.2	5.9	8.3	8.3
Hartford	384.4	389.7	387.7	22.0	25.3	23.3	5.7	6.5	6.0
New Britain	75.0	73.5	73.5	5.2	6.7	6.8	7.0	9.1	9.3
New Haven—West Haven	199.1	201.8	200.9	12.5	13.8	13.2	6.3	6.8	6.6
Stamford	122.4	122.9	122.9	4.5	4.7	4.8	3.7	3.8	3.9
Waterbury	106.5	108.2	107.3	7.7	9.6	10.1	7.2	8.8	9.5
DELAWARE	289.8	290.6	291.9	25.8	22.3	26.8	8.9	7.7	9.2
Wilmington ¹	257.3	254.8	258.0	23.2	20.4	25.8	9.0	8.0	10.0
DISTRICT OF COLUMBIA	309.8	319.9	321.1	27.6	35.4	34.7	8.9	11.1	10.8
Washington SMSA ¹	1,703.1	1,710.8	1,724.8	88.5	100.3	98.4	5.2	5.9	5.7
FLORIDA²	4,599.2	4,988.7	4,953.7	348.5	458.8	469.2	7.6	9.2	9.5
Daytona Beach	109.1	117.4	114.3	8.0	9.2	8.8	7.4	7.8	7.7
Fort Lauderdale—Hollywood	485.7	514.8	511.2	29.9	41.7	43.8	6.2	8.1	8.6
Fort Myers—Cape Coral	97.6	108.4	108.6	6.1	9.6	10.2	6.3	8.9	9.4
Gainesville	80.5	84.9	83.7	3.9	4.2	4.4	4.9	4.9	5.3
Jacksonville	348.4	378.9	374.9	25.7	27.7	29.6	7.4	7.3	7.9
Lakeland—Winter Haven	151.4	160.1	162.8	20.4	27.6	28.0	13.5	17.3	17.2
Melbourne—Titusville—Cocoa	125.0	133.4	132.9	10.4	11.7	12.5	8.4	8.7	9.4
Miami	828.4	898.3	881.9	62.7	86.3	84.4	7.6	9.6	9.6
Orlando	370.2	407.1	407.1	27.5	32.5	33.9	7.4	8.0	8.3
Pensacola	123.5	136.5	136.1	9.2	11.6	12.3	7.5	8.5	9.0
Sarasota	80.2	88.6	87.8	5.2	7.5	7.1	6.5	8.4	8.0
Tallahassee	88.4	94.7	93.9	4.4	4.8	5.2	5.0	5.1	5.6
Tampa—St. Petersburg	716.1	782.6	774.1	50.1	64.9	66.9	7.0	8.3	8.6
West Palm Beach—Boca Raton	282.6	302.9	304.8	20.1	31.3	29.7	7.1	10.3	9.7

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
GEORGIA	2,609.4	2,682.9	2,659.2	176.3	209.3	213.7	6.8	7.8	8.0
Albany.....	53.6	55.2	54.8	4.2	5.2	5.0	7.8	9.4	9.1
Atlanta.....	1,075.4	1,114.1	1,110.5	59.7	72.9	73.0	5.6	6.5	6.6
Augusta.....	132.0	139.4	139.7	9.2	13.3	13.5	6.9	9.5	9.6
Columbus ¹	89.9	89.2	89.9	8.1	8.8	9.2	9.0	9.8	10.2
Macon.....	107.1	110.3	109.6	7.1	7.9	7.8	6.6	7.2	7.1
Savannah.....	98.7	100.6	100.2	6.2	8.2	8.4	6.3	8.2	8.4
HAWAII	449.1	456.5	460.6	25.0	35.6	32.4	5.6	7.8	7.0
Honolulu.....	346.5	348.8	353.4	17.8	24.9	22.4	5.1	7.1	6.3
IDAHO	420.1	448.3	432.8	32.3	36.0	37.4	7.7	8.0	8.6
Boise City.....	87.5	90.3	92.2	5.5	6.0	6.3	6.3	6.6	6.9
ILLINOIS²	5,601.1	5,565.8	5,561.4	478.5	666.6	704.4	8.5	12.0	12.7
Bloomington—Normal.....	63.9	63.1	62.1	3.4	5.4	5.6	5.4	8.6	9.0
Champaign—Urbana—Rantoul.....	87.7	87.0	86.5	4.9	6.3	6.7	5.6	7.2	7.7
Chicago.....	3,521.0	3,480.8	3,483.4	285.3	385.3	398.1	8.1	11.1	11.4
Davenport—Rock Island—Moline ¹	190.3	190.8	191.5	19.1	32.0	33.5	10.0	16.8	17.5
Decatur.....	63.0	63.3	67.2	7.3	10.7	12.2	11.6	16.9	18.2
Kankakee.....	41.8	41.2	41.1	5.7	7.1	7.9	13.6	17.3	19.3
Peoria.....	174.0	175.2	176.6	14.4	29.4	32.2	8.3	16.8	18.2
Rockford.....	136.8	136.3	135.0	17.4	28.0	28.9	12.7	20.6	21.4
Springfield.....	100.2	99.8	99.1	6.6	7.9	9.3	6.5	7.9	9.3
INDIANA	2,614.5	2,609.6	2,614.6	275.8	313.9	340.8	10.5	12.0	13.0
Anderson.....	55.6	54.2	54.6	7.3	7.9	9.5	13.1	14.5	17.4
Elkhart.....	66.7	66.0	66.4	7.2	6.5	7.3	10.8	9.9	11.0
Evansville ¹	147.5	149.2	149.1	13.7	14.9	15.8	9.3	10.0	10.6
Fort Wayne.....	191.9	190.0	189.9	20.5	22.7	23.9	10.7	12.0	12.6
Gary—Hammond—East Chicago.....	291.6	296.8	296.9	36.3	51.3	54.3	12.4	17.3	18.3
Indianapolis.....	615.0	613.0	616.7	55.6	58.7	64.8	9.0	9.6	10.5
Lafayette—West Lafayette.....	64.7	66.1	65.8	4.7	5.8	5.8	7.2	8.8	8.7
Muncie.....	58.3	57.1	57.4	7.8	7.9	9.6	13.3	13.9	16.8
South Bend.....	135.1	134.3	134.8	12.0	12.4	13.5	8.9	9.3	10.0
Terre Haute.....	79.4	75.8	76.1	8.1	8.4	8.8	10.2	11.1	11.6
IOWA	1,404.7	1,391.5	1,391.2	92.0	109.6	117.8	6.6	7.9	8.5
Cedar Rapids.....	85.8	82.3	82.9	6.7	8.6	8.4	7.8	10.4	10.2
Des Moines.....	179.8	176.1	178.6	11.8	13.8	14.1	6.5	7.9	7.9
Dubuque.....	44.2	42.1	42.3	4.6	5.9	6.3	10.4	14.1	14.8
Sioux City ¹	55.0	54.5	55.0	3.6	4.1	4.2	6.6	7.5	7.6
Waterloo—Cedar Falls.....	68.1	65.1	65.7	5.3	6.8	8.0	7.8	10.5	12.2
KANSAS	1,185.7	1,186.1	1,185.4	50.8	82.8	83.7	4.3	7.0	7.1
Lawrence.....	35.4	34.9	34.8	1.6	1.8	1.8	4.6	5.2	5.2
Topeka.....	95.4	93.3	94.4	5.2	6.8	7.1	5.4	7.2	7.5
Wichita.....	230.0	227.3	227.8	10.1	23.4	22.8	4.4	10.3	10.0
KENTUCKY	1,682.7	1,733.1	1,718.9	148.5	186.9	184.2	8.8	10.8	10.7
Lexington—Fayette.....	181.1	192.8	189.4	8.7	12.1	10.6	4.8	6.3	5.6
Louisville ¹	441.1	443.1	442.4	51.5	53.6	51.2	11.7	12.1	11.6
Owensboro.....	44.0	42.0	41.5	3.2	3.9	3.9	7.3	9.4	9.3
LOUISIANA	1,872.0	1,920.8	1,877.1	155.2	216.1	201.0	8.3	11.2	10.7
Alexandria.....	73.0	75.8	73.7	7.2	8.5	7.7	9.9	11.2	10.5
Baton Rouge.....	229.8	232.1	229.8	17.2	23.5	21.5	7.5	10.1	9.4
Lafayette.....	94.4	100.9	100.1	3.9	6.6	6.4	4.2	6.6	6.4
Lake Charles.....	82.4	78.2	75.9	7.5	11.7	10.8	9.1	15.0	14.2
Monroe.....	56.4	56.1	55.4	5.8	7.1	6.8	10.2	12.6	12.3
New Orleans.....	516.7	512.7	505.2	42.6	52.8	48.9	8.2	10.3	9.7
Shreveport.....	163.2	162.3	159.8	12.8	17.5	17.6	7.8	10.8	11.0
MAINE	500.4	506.5	498.0	35.4	34.3	34.9	7.1	6.8	7.0
Lewiston—Auburn.....	37.4	36.9	36.7	2.4	2.7	2.6	6.4	7.4	7.1
Portland.....	92.6	94.0	94.4	4.9	4.8	4.9	5.3	5.1	5.2
MARYLAND	2,166.7	2,181.4	2,180.6	164.8	174.2	167.4	7.6	8.0	7.7
Baltimore.....	1,074.1	1,088.6	1,084.2	94.7	102.4	96.0	8.8	9.4	8.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
MASSACHUSETTS²	3,049.0	3,042.8	3,041.7	191.0	220.3	196.2	6.3	7.2	6.5
Boston	1,480.4	1,479.0	1,490.6	82.2	90.4	80.1	5.6	6.1	5.4
Brockton	85.1	82.3	82.8	6.3	6.7	6.1	7.4	8.2	7.4
Fall River ³	76.3	75.8	75.4	7.0	7.5	6.7	9.1	9.9	8.9
Lawrence—Haverhill ⁴	150.2	147.8	146.8	10.1	13.1	11.9	6.7	8.9	8.1
Lowell	134.2	133.9	134.4	8.6	9.7	8.2	6.4	7.3	6.1
New Bedford	88.8	84.7	84.1	7.9	9.4	8.3	8.9	11.1	9.8
Springfield—Chicopee—Holyoke	290.4	293.6	293.5	18.0	19.8	17.7	6.2	6.7	6.0
Worcester	207.9	208.2	205.1	12.1	17.7	15.1	5.8	8.5	7.4
MICHIGAN²	4,315.0	4,278.7	4,262.1	517.0	636.7	699.0	12.0	14.9	16.4
Ann Arbor	146.0	140.6	140.5	16.0	15.4	18.5	11.0	11.0	13.2
Battle Creek	79.6	81.7	81.5	7.8	12.4	13.2	9.8	15.2	16.1
Bay City	53.2	54.9	54.9	5.9	7.9	9.2	11.0	14.3	16.7
Detroit	1,996.0	1,969.8	1,972.1	251.9	309.2	338.2	12.6	15.7	17.1
Flint	228.4	225.7	227.1	38.1	46.6	53.1	16.7	20.6	23.4
Grand Rapids	328.8	329.5	326.9	30.0	35.3	38.9	9.1	10.7	11.9
Jackson	66.2	66.0	65.0	7.1	10.8	10.9	10.8	16.4	16.8
Kalamazoo—Portage	140.5	139.1	138.2	11.2	14.3	16.1	8.0	10.3	11.7
Lansing—East Lansing	248.6	245.1	243.4	22.8	26.9	29.4	9.2	11.0	12.1
Muskegon—Norton Shores—Muskegon Heights	77.0	79.7	78.6	8.6	14.0	14.3	11.2	17.5	18.2
Saginaw	101.5	101.5	101.0	12.8	14.9	17.2	12.6	14.7	17.0
MINNESOTA	2,134.8	2,165.0	2,153.7	115.2	165.5	184.6	5.4	7.6	8.6
Duluth—Superior ¹	111.8	115.1	116.2	10.0	22.5	23.6	9.0	19.5	20.3
Minneapolis—St. Paul	1,169.0	1,167.0	1,170.5	53.1	79.0	87.0	4.5	6.8	7.4
Rochester	57.5	58.7	58.7	2.7	3.5	3.7	4.7	6.0	6.3
St. Cloud	74.4	77.2	76.4	5.6	6.6	7.1	7.6	8.5	9.3
MISSISSIPPI	1,048.8	1,066.2	1,050.2	88.3	131.1	124.9	8.4	12.3	11.9
Jackson	160.6	159.3	159.5	9.8	13.8	13.3	6.1	8.6	8.3
MISSOURI	2,313.4	2,307.1	2,273.8	168.7	201.7	214.1	7.3	8.7	9.4
Kansas City ¹	687.7	662.7	660.9	46.5	53.2	56.9	6.8	8.0	8.6
St. Joseph	44.1	43.6	43.0	3.9	4.5	4.5	8.9	10.3	10.4
St. Louis ¹	1,107.5	1,107.5	1,101.0	91.0	106.6	111.8	8.2	9.6	10.2
Springfield	108.3	108.4	108.3	6.1	8.5	8.9	5.7	7.9	8.2
MONTANA	380.2	387.8	389.4	24.5	32.1	36.8	6.4	8.3	9.4
Billings	59.7	61.8	62.0	2.4	3.7	4.0	4.0	5.9	6.5
Great Falls	35.0	35.5	35.5	2.1	2.9	3.3	6.0	8.3	9.2
NEBRASKA	777.9	773.8	777.9	32.6	43.7	47.9	4.2	5.6	6.2
Lincoln	112.6	110.9	112.1	4.5	5.5	5.8	4.0	4.9	5.1
Omaha ¹	284.4	282.2	285.7	15.3	20.3	20.8	5.4	7.2	7.3
NEVADA	472.7	487.7	483.8	36.4	53.4	54.5	7.7	11.0	11.3
Las Vegas	264.6	272.1	270.1	22.3	33.2	33.5	8.4	12.2	12.4
Reno	129.9	134.3	133.8	7.8	11.4	11.6	6.0	8.5	8.7
NEW HAMPSHIRE	479.6	481.3	479.5	21.4	34.1	33.8	4.5	7.1	7.0
Manchester	84.4	84.8	85.5	3.9	5.8	5.6	4.6	6.8	6.6
Nashua	83.4	84.1	83.8	3.6	5.9	5.0	4.3	7.0	5.9
NEW JERSEY	3,576.4	3,636.3	3,674.9	251.9	300.1	345.3	7.0	8.3	9.4
Atlantic City	117.0	120.9	123.3	10.7	11.4	13.5	9.1	9.4	10.9
Jersey City	243.6	245.3	248.2	25.1	31.1	34.7	10.3	12.7	14.0
Long Branch—Asbury Park	241.0	249.8	251.0	17.0	20.4	21.4	7.1	8.2	8.5
New Brunswick—Perth Amboy—Sayreville	330.1	335.2	342.6	20.7	26.8	32.1	6.3	8.0	9.4
Newark	964.3	985.6	999.2	63.5	78.1	89.0	6.6	7.9	8.9
Paterson—Clifton—Passaic	207.6	208.5	213.6	16.1	21.0	24.1	7.8	10.1	11.3
Trenton	157.4	158.8	160.8	9.1	11.8	13.8	5.8	7.4	8.6
Vineland—Millville—Bridgeton	59.1	58.5	59.1	7.6	8.2	9.4	12.9	14.1	16.0
NEW MEXICO	577.0	612.6	608.3	41.6	64.0	60.1	7.2	10.4	9.9
Albuquerque	211.0	225.3	225.5	15.6	21.0	19.5	7.4	9.3	8.6
Las Cruces	35.8	40.5	40.2	2.5	4.1	3.7	7.0	10.1	9.3

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
NEW YORK²	7,901.9	7,947.0	7,907.5	577.2	716.0	752.9	7.3	9.0	9.5
Albany—Schenectady—Troy	371.5	373.1	375.5	22.8	26.8	31.5	6.1	7.2	8.4
Binghamton ¹	140.0	141.5	142.1	9.4	11.6	13.1	6.7	8.2	9.2
Buffalo	555.6	550.8	560.2	53.5	73.9	85.8	9.6	13.4	15.3
Elmira	39.0	38.4	38.9	2.9	4.9	5.8	7.4	12.8	14.9
Nassau-Suffolk	1,298.2	1,318.7	1,327.4	72.6	87.2	97.3	5.6	6.6	7.3
New York	3,606.0	3,515.2	3,544.0	277.4	340.5	313.4	7.7	9.4	8.8
New York City ²	2,997.0	3,002.0	2,930.0	247.0	305.0	274.0	8.2	10.1	9.3
Poughkeepsie	110.9	113.0	113.1	5.9	7.3	7.8	5.3	6.5	6.9
Rochester	474.2	479.2	481.5	28.6	39.6	46.0	6.0	8.3	9.6
Syracuse	299.3	298.8	302.5	20.5	25.5	31.1	6.8	8.5	10.3
Utica—Rome	132.4	135.1	136.0	9.7	12.7	15.2	7.3	9.4	11.2
NORTH CAROLINA	2,912.6	2,966.1	2,947.5	184.2	276.2	278.7	6.3	9.3	9.5
Asheville	88.6	91.5	91.7	5.6	7.2	7.5	6.3	7.9	8.2
Charlotte—Gastonia	373.7	384.0	382.9	18.0	29.6	28.8	4.8	7.7	7.5
Greensboro—Winston-Salem—High Point	448.2	459.8	460.1	25.2	39.8	39.9	5.6	8.7	8.7
Raleigh—Durham	313.6	323.0	323.0	11.0	15.6	14.9	3.5	4.8	4.6
NORTH DAKOTA	299.8	307.6	299.0	13.8	17.0	20.8	4.6	5.5	6.9
Fargo—Moorehead ¹	71.0	72.6	73.0	3.2	3.5	4.2	4.5	4.9	5.7
OHIO²	5,121.0	5,162.9	5,075.2	560.7	680.8	708.5	10.9	13.2	14.0
Akron	304.6	306.8	302.6	32.4	37.8	39.3	10.6	12.3	13.0
Canton	188.8	195.4	193.0	19.9	31.2	32.2	10.5	16.0	16.7
Cincinnati ¹	684.3	696.3	684.5	67.2	77.8	76.9	9.8	11.2	11.2
Cleveland	931.4	936.4	923.9	87.1	111.2	115.7	9.4	11.9	12.5
Columbus	570.6	574.0	566.9	50.2	51.1	53.5	8.8	8.9	9.4
Dayton	393.8	397.0	390.0	36.7	45.6	48.2	9.3	11.5	12.4
Toledo ¹	368.8	374.9	365.0	42.6	50.0	47.7	11.6	13.3	13.1
Youngstown—Warren	235.0	239.8	237.9	29.4	47.4	53.5	12.5	19.8	22.5
OKLAHOMA	1,470.7	1,461.2	1,440.8	57.8	94.4	94.6	3.9	6.5	6.6
Enid	30.1	28.5	28.0	.7	1.9	1.8	2.3	6.5	6.3
Lawton	34.7	34.0	33.8	1.4	1.9	2.0	4.2	5.7	5.8
Oklahoma City	459.2	459.6	453.1	19.1	23.2	23.7	4.2	5.0	5.2
Tulsa	365.4	356.8	353.3	13.9	25.8	25.4	3.8	7.2	7.2
OREGON	1,322.9	1,305.2	1,310.9	141.3	135.2	156.2	10.7	10.4	11.9
Eugene—Springfield	138.3	132.5	132.5	17.6	15.1	16.9	12.7	11.4	12.8
Portland ¹	651.6	646.2	654.7	56.6	64.9	72.1	8.7	10.0	11.0
Salem	124.5	128.3	126.8	10.7	10.6	12.9	8.6	8.2	10.2
PENNSYLVANIA²	5,514.5	5,539.3	5,561.7	480.0	620.5	645.7	8.7	11.2	11.6
Allentown—Bethlehem—Easton ¹	314.9	311.3	312.0	27.4	34.6	36.6	8.7	11.1	11.7
Altoona	58.4	56.7	57.9	7.0	7.7	8.5	12.0	13.5	14.7
Erie	126.0	126.4	127.3	12.6	16.8	18.0	10.0	13.3	14.1
Harrisburg	237.6	241.2	242.7	13.8	15.5	16.3	5.8	6.4	6.7
Johnstown	107.3	106.5	105.9	14.5	19.9	21.9	13.5	18.6	20.7
Lancaster	187.2	187.0	187.3	11.5	12.9	13.4	6.2	6.9	7.1
Northeast Pennsylvania	289.5	289.1	291.0	29.8	31.2	33.1	10.3	10.8	11.4
Philadelphia ¹	2,200.6	2,209.4	2,227.1	170.2	184.7	191.2	7.7	8.4	8.6
Pittsburgh	1,041.5	1,040.4	1,045.8	82.3	144.9	150.0	7.9	13.9	14.3
Reading	162.3	160.4	160.8	12.9	15.3	15.7	8.0	9.6	9.7
Williamsport	53.7	53.0	53.5	5.8	6.1	6.6	10.9	11.4	12.3
York	182.2	184.8	182.6	14.3	20.2	20.3	7.8	10.9	11.1
RHODE ISLAND	480.3	484.7	486.5	32.4	43.9	46.4	6.7	9.1	9.5
Providence—Warwick—Pawtucket ¹	476.5	477.4	479.9	32.0	44.4	46.1	6.7	9.3	9.6
SOUTH CAROLINA	1,419.4	1,479.7	1,472.4	127.2	159.3	159.6	9.0	10.8	10.8
Charleston—North Charleston	173.1	183.1	183.5	14.7	16.3	16.2	8.5	8.9	8.8
Columbia	189.6	196.3	197.2	12.4	14.2	14.0	6.5	7.2	7.1
Greenville—Spartanburg	286.9	296.7	296.0	22.9	30.4	30.6	8.0	10.2	10.3
SOUTH DAKOTA	325.6	323.2	320.0	16.8	16.3	17.9	5.2	5.0	5.6
Sioux Falls	63.1	62.2	62.8	3.6	2.7	3.1	5.7	4.4	4.9
TENNESSEE	2,122.8	2,167.5	2,154.1	195.2	243.2	255.0	9.2	11.2	11.8
Chattanooga ¹	198.8	206.0	206.1	17.0	23.5	23.1	8.6	11.4	11.2
Knoxville	229.2	234.2	234.3	17.9	19.1	21.6	7.8	8.2	9.2
Memphis ¹	411.7	416.9	413.5	36.0	39.9	40.3	8.7	9.6	9.8
Nashville—Davidson	432.1	437.6	433.0	27.6	35.9	36.4	6.4	8.2	8.4

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P	NOV. 1981	OCT. 1982	NOV. 1982P
TEXAS ¹	7,200.5	7,320.7	7,414.6	402.0	554.9	562.4	5.6	7.6	7.6
Dallas—Fort Worth	1,687.4	1,743.8	1,763.0	83.8	101.8	100.0	5.0	5.8	5.7
Houston	1,714.2	1,729.3	1,749.5	80.0	138.9	143.8	4.7	8.0	8.2
San Antonio	465.2	470.3	477.0	32.2	33.8	33.1	6.9	7.2	6.9
UTAH	655.2	676.2	679.8	41.6	54.5	59.4	6.4	8.1	8.7
Salt Lake City—Ogden	428.9	440.7	443.8	26.8	35.3	37.1	6.2	8.0	8.4
VERMONT	258.7	274.3	269.3	14.2	16.5	17.9	5.5	6.0	6.7
VIRGINIA	2,606.6	2,639.5	2,660.7	156.9	205.6	216.0	6.0	7.8	8.1 ¹
Lynchburg	75.9	75.2	75.3	4.6	6.7	6.4	6.1	8.9	8.5
Newport News—Hampton	166.4	172.2	173.6	10.5	12.1	12.1	6.3	7.0	7.0
Norfolk—Virginia Beach—Portsmouth ¹	336.5	343.7	345.1	22.2	26.7	26.1	6.6	7.8	7.6
Petersburg—Colonial Heights—Hopewell	57.8	59.6	59.7	4.2	6.1	6.9	7.3	10.2	11.5
Richmond	334.8	339.4	342.0	15.9	20.1	21.0	4.7	5.9	6.1
Roanoke	110.1	110.7	112.3	6.9	8.7	9.5	6.3	7.8	8.4
WASHINGTON	1,967.5	2,040.6	2,050.2	202.0	232.7	254.6	10.3	11.4	12.4
Seattle—Everett	868.2	899.2	915.4	74.6	93.9	99.3	8.6	10.4	10.8
Spokane	149.7	149.9	151.6	15.7	17.3	18.5	10.5	11.5	12.2
Tacoma	177.0	186.4	189.4	18.7	23.2	24.7	10.5	12.5	13.0
WEST VIRGINIA	771.7	784.2	781.0	69.5	120.0	128.4	9.0	15.3	16.4
Charleston	124.4	125.0	123.8	8.7	13.6	14.0	7.0	10.9	11.3
Huntington—Ashland ¹	125.6	126.7	126.0	12.2	18.7	19.0	9.7	14.7	15.1
Parkersburg—Marietta ¹	73.8	74.3	73.9	7.2	10.1	10.8	9.7	13.6	14.6
Wheeling ¹	83.0	83.4	82.2	8.3	12.7	13.4	10.0	15.2	16.3
WISCONSIN	2,367.8	2,483.4	2,475.1	177.1	264.9	272.1	7.5	10.7	11.0
Appleton—Oshkosh	148.3	154.3	154.2	10.2	15.5	16.0	6.9	10.0	10.4
Eau Claire	58.6	61.0	61.5	4.0	5.3	5.6	6.8	8.7	9.2
Green Bay	90.5	97.2	97.4	6.8	8.9	9.1	7.5	9.1	9.3
Janesville—Beloit	71.4	75.0	74.0	10.6	11.2	12.3	14.9	14.9	16.6
Kenosha	58.1	62.0	61.2	4.2	6.2	5.7	7.2	10.0	9.3
La Crosse	49.7	51.8	52.3	3.5	4.3	4.6	7.0	8.3	8.8
Madison	185.7	194.3	194.6	9.2	12.8	12.9	5.0	6.6	6.6
Milwaukee	715.8	747.4	746.0	50.4	88.2	86.5	7.0	11.8	11.6
Racine	84.2	87.2	87.0	6.8	12.7	12.6	8.1	14.6	14.5
WYOMING	247.4	252.8	248.2	10.4	16.1	17.2	4.2	6.4	6.9

¹ Includes interstate portion of area located in adjacent State.

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

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

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

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

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

Annual Averages

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	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over										
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
Persons 16 years of age and over										
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 ²	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 ²	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 ²	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.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 ²	146,574	89,484	61.1	87,034	82,153	3,484	78,669	4,882	5.6	57,091
1973 ²	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978 ²	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,460
1982.....	174,451	112,384	64.4	110,204	99,526	3,401	96,125	10,678	9.7	62,067

¹ Not available.

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

Comparability" under Household Data section of Explanatory Notes.

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	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Males										
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 ¹	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 ¹	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 ¹	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	67,452	54,376	80.6	51,228	48,990	2,862	46,128	2,238	4.4	13,076
1971	68,718	54,956	80.0	52,180	49,390	2,795	46,595	2,789	5.3	13,762
1972 ¹	70,241	55,961	79.7	53,555	50,896	2,849	48,047	2,659	5.0	14,280
1973 ¹	71,567	56,900	79.5	54,624	52,349	2,847	49,502	2,275	4.2	14,667
1974	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,956
1979	79,968	62,676	78.4	60,726	57,607	2,686	54,921	3,120	5.1	17,293
1980	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
1982	83,514	64,440	77.2	62,450	56,271	2,736	53,534	6,179	9.9	19,073
Females										
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 ¹	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 ¹	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 ¹	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	878	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	72,822	31,583	43.4	31,543	29,688	601	29,087	1,855	5.9	41,239
1971	74,315	32,243	43.4	32,202	29,976	599	29,377	2,227	6.9	42,072
1972 ¹	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,000
1974	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922
1982	90,937	47,944	52.7	47,755	43,256	665	42,591	4,499	9.4	42,993

¹ 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	1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	64,440	77.2	62,450	56,271	6,179	9.9	19,073	378	4,042	1,489	13,164
16 to 21 years	8,270	66.2	7,644	5,969	1,675	21.9	4,225	25	3,235	31	934
16 to 19 years	4,721	58.1	4,470	3,379	1,090	24.4	3,409	20	2,665	14	710
16 to 17 years	1,787	45.6	1,776	1,307	469	26.4	2,135	11	1,722	3	399
18 to 19 years	2,934	69.7	2,694	2,072	621	23.1	1,274	9	944	11	311
20 to 64 years	57,874	89.0	56,135	51,115	5,020	8.9	7,138	172	1,375	1,068	4,523
20 to 24 years	9,373	86.0	8,604	7,197	1,407	16.4	1,531	15	975	48	493
25 to 54 years	41,326	94.2	40,357	37,138	3,219	8.0	2,565	96	393	561	1,516
25 to 29 years	9,624	94.2	9,236	8,154	1,083	11.7	588	19	230	55	293
30 to 34 years	8,821	95.6	8,556	7,848	708	8.3	407	14	88	73	232
35 to 39 years	7,295	95.9	7,103	6,584	519	7.3	308	15	35	74	195
40 to 44 years	5,765	94.7	5,677	5,318	359	6.3	321	16	20	97	188
45 to 49 years	4,971	92.8	4,942	4,664	278	5.6	383	15	14	110	244
50 to 54 years	4,850	89.7	4,842	4,571	272	5.6	558	17	5	152	394
55 to 64 years	7,175	70.2	7,174	6,781	393	5.5	3,041	60	8	463	2,513
55 to 59 years	4,414	81.9	4,413	4,151	262	5.9	978	29	5	220	723
60 to 64 years	2,761	57.2	2,761	2,630	131	4.8	2,063	31	2	240	1,790
65 years and over	1,845	17.8	1,845	1,776	69	3.7	8,526	187	2	407	7,930
65 to 69 years	1,056	26.9	1,056	1,013	43	4.0	2,863	47	1	127	2,688
70 years and over	789	12.2	789	762	26	3.3	5,663	141	1	280	5,242
White											
16 years and over	56,663	77.9	55,133	50,287	4,846	8.8	16,078	300	3,140	1,179	11,458
16 to 21 years	7,137	68.6	6,656	5,366	1,290	19.4	3,267	16	2,541	22	689
16 to 19 years	4,132	61.2	3,933	3,079	854	21.7	2,623	12	2,069	9	533
16 to 17 years	1,612	49.5	1,602	1,214	387	24.2	1,647	7	1,332	2	376
18 to 19 years	2,520	72.1	2,331	1,865	467	20.0	976	6	726	7	227
20 to 64 years	50,854	89.8	49,523	45,585	3,938	8.0	5,766	130	1,069	835	3,730
20 to 24 years	8,007	87.1	7,438	6,372	1,066	14.3	1,182	12	791	34	345
25 to 54 years	36,326	95.0	35,565	33,025	2,540	7.1	1,914	70	275	423	1,143
25 to 29 years	16,045	95.8	15,549	14,164	1,385	8.9	711	25	230	90	365
30 to 34 years	11,522	96.1	11,289	10,593	696	6.2	467	22	32	131	292
35 to 44 years	8,759	92.2	8,727	8,267	460	5.3	736	24	12	204	497
45 to 54 years	6,521	71.0	6,520	6,188	331	5.1	2,669	48	4	375	2,242
55 to 59 years	4,002	82.8	4,001	3,782	219	5.5	833	23	3	181	628
60 to 64 years	2,518	57.8	2,518	2,406	113	4.5	1,836	24	1	195	1,616
65 years and over	1,677	17.9	1,677	1,624	53	3.2	7,689	158	2	335	7,195
Black and other											
16 years and over	7,777	72.2	7,317	5,983	1,334	18.2	2,996	78	902	310	1,706
16 to 21 years	1,133	54.2	987	603	384	38.9	957	9	694	10	245
16 to 19 years	589	42.8	536	300	236	44.0	786	8	597	5	177
16 to 17 years	175	26.4	174	92	82	46.9	488	4	389	1	93
18 to 19 years	414	58.1	363	208	155	42.7	298	3	207	4	34
20 to 64 years	7,020	83.6	6,612	5,531	1,081	16.3	1,372	41	305	233	792
20 to 24 years	1,366	79.7	1,166	825	341	29.2	349	3	184	14	148
25 to 54 years	5,000	88.5	4,792	4,114	679	14.2	652	26	118	135	372
25 to 29 years	2,400	89.4	2,244	1,837	406	18.1	294	8	88	37	151
30 to 34 years	1,538	90.4	1,491	1,309	183	12.2	163	10	23	47	91
35 to 44 years	1,062	83.8	1,057	967	90	8.5	205	8	8	53	131
45 to 54 years	654	63.8	654	593	62	9.5	372	12	4	84	271
55 to 59 years	412	74.0	412	368	43	10.5	145	6	2	40	98
60 to 64 years	243	51.7	243	224	19	7.7	227	7	2	45	174
65 years and over	168	16.7	168	152	16	9.3	837	29	--	72	736

HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1982										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	47,944	52.7	47,755	43,256	4,499	9.4	42,993	31,691	3,914	1,037	6,352
16 to 21 years	6,970	57.2	6,904	5,593	1,311	19.0	5,225	1,248	3,162	14	891
16 to 19 years	4,082	51.6	4,056	3,170	886	21.9	3,828	586	2,606	8	629
16 to 17 years	1,561	41.0	1,561	1,198	362	23.2	2,243	165	1,703	2	374
18 to 19 years	2,520	61.4	2,495	1,572	524	21.0	1,585	422	902	6	255
20 to 64 years	42,677	62.8	42,514	38,939	3,575	8.4	25,334	21,044	1,304	473	2,512
20 to 24 years	7,568	70.1	7,477	6,492	985	13.2	3,232	2,008	827	22	375
25 to 54 years	30,221	66.4	30,149	27,813	2,336	7.7	15,295	13,413	461	233	1,184
25 to 29 years	7,147	69.1	7,099	6,389	710	10.0	3,191	2,729	198	27	237
30 to 34 years	6,311	66.9	6,294	5,758	536	8.5	3,121	2,772	115	26	217
35 to 39 years	5,295	67.4	5,291	4,914	376	7.1	2,555	2,261	72	34	188
40 to 44 years	4,362	68.6	4,360	4,063	297	6.8	1,995	1,768	39	31	157
45 to 49 years	3,702	65.3	3,701	3,483	218	5.9	1,970	1,741	21	48	160
50 to 54 years	3,404	58.0	3,404	3,206	197	5.8	2,463	2,141	16	71	234
55 to 64 years	4,888	41.8	4,888	4,634	254	5.2	6,807	5,623	16	214	952
55 to 59 years	3,007	49.6	3,007	2,850	157	5.2	3,052	2,596	11	98	346
60 to 64 years	1,881	33.4	1,881	1,784	97	5.1	3,755	3,027	5	115	697
65 years and over	1,185	7.9	1,185	1,147	38	3.2	13,831	10,061	4	556	3,211
65 to 69 years	730	14.9	730	704	26	3.6	4,171	3,228	2	101	840
70 years and over	455	4.5	455	443	12	2.7	9,661	6,833	2	455	2,371
White											
16 years and over	41,144	52.5	41,010	37,615	3,395	8.3	37,220	28,026	2,995	823	5,376
16 to 21 years	6,096	60.3	6,050	5,663	987	16.3	4,019	976	2,432	11	600
16 to 19 years	3,603	55.1	3,585	2,905	680	19.0	2,934	455	1,997	6	477
16 to 17 years	1,400	44.7	1,399	1,103	296	21.2	1,735	130	1,307	1	297
18 to 19 years	2,204	64.8	2,186	1,802	384	17.6	1,199	325	690	5	179
20 to 64 years	36,476	62.6	36,360	33,678	2,682	7.4	21,773	18,366	994	367	2,946
20 to 24 years	6,492	72.0	6,428	5,724	704	10.9	2,531	1,615	636	15	264
25 to 54 years	25,671	66.1	25,619	23,857	1,761	6.9	13,153	11,661	346	193	964
25 to 29 years	11,311	67.9	11,264	10,367	898	8.0	5,338	4,720	229	44	345
30 to 34 years	8,207	67.5	8,202	7,675	527	6.4	3,952	3,528	84	52	287
35 to 44 years	6,153	61.4	6,152	5,816	337	5.5	3,863	3,412	32	83	331
55 to 64 years	4,313	41.5	4,313	4,095	217	5.0	6,090	5,090	13	167	819
55 to 59 years	2,647	49.4	2,647	2,512	135	5.1	2,711	2,336	9	74	291
60 to 64 years	1,666	33.0	1,666	1,584	82	5.0	3,378	2,754	4	93	527
65 years and over	1,065	7.8	1,065	1,032	33	3.1	12,513	9,205	4	450	2,854
Black and other											
16 years and over	6,800	54.1	6,745	5,641	1,104	16.4	5,773	3,666	918	214	975
16 to 21 years	874	42.0	854	529	324	38.0	1,206	272	730	4	291
16 to 19 years	478	34.8	471	264	206	43.8	894	132	609	2	152
16 to 17 years	162	24.1	161	95	66	41.1	508	35	397	1	76
18 to 19 years	317	45.1	309	169	140	45.3	386	97	212	1	76
20 to 64 years	6,201	63.5	6,154	5,261	892	14.5	3,561	2,678	310	106	466
20 to 24 years	1,077	60.6	1,049	768	281	26.8	701	393	192	5	111
25 to 54 years	4,549	68.0	4,529	3,956	573	12.7	2,143	1,752	115	55	220
25 to 29 years	2,147	68.8	2,129	1,780	348	16.4	974	781	84	9	99
30 to 34 years	1,450	70.8	1,448	1,302	146	10.1	599	500	26	14	59
35 to 44 years	952	62.5	952	873	79	8.3	571	471	5	32	63
55 to 64 years	575	44.5	575	538	37	6.4	717	533	3	46	135
55 to 59 years	361	51.4	361	338	23	6.3	340	260	2	24	55
60 to 64 years	214	36.3	214	200	14	6.6	377	273	1	22	80
65 years and over	120	8.3	120	115	5	4.6	1,318	856	--	106	357

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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	
	1981	1982	1981	1982	1981	1982	1981	1982
MALES								
16 years and over	63,939	64,440	77.5	77.2	61,974	62,450	77.0	76.6
16 to 19 years	5,056	4,721	60.4	58.1	4,777	4,470	59.0	56.7
16 to 17 years	1,973	1,787	48.1	45.6	1,957	1,776	47.9	45.4
18 to 19 years	3,082	2,934	72.2	69.7	2,820	2,694	70.4	67.9
20 to 24 years	9,395	9,373	86.5	86.0	8,648	8,604	85.5	84.9
25 to 54 years	40,450	41,326	94.2	94.2	39,513	40,357	94.1	94.0
25 to 34 years	18,111	18,445	95.0	94.9	17,479	17,793	94.9	94.7
35 to 44 years	12,435	13,060	95.4	95.4	12,166	12,781	95.4	95.3
45 to 54 years	9,904	9,821	91.4	91.3	9,868	9,784	91.4	91.2
55 to 64 years	7,171	7,175	70.6	70.2	7,170	7,174	70.6	70.2
55 to 59 years	4,405	4,414	81.2	81.9	4,404	4,413	81.2	81.9
60 to 64 years	2,766	2,761	58.5	57.2	2,766	2,761	58.5	57.2
65 years and over	1,866	1,845	18.4	17.8	1,866	1,845	18.4	17.8
White								
16 years and over	56,409	56,663	78.4	77.9	54,895	55,133	77.9	77.4
16 to 19 years	4,440	4,132	63.6	61.2	4,224	3,933	62.4	60.7
16 to 17 years	1,765	1,612	51.7	49.5	1,751	1,602	51.5	49.3
18 to 19 years	2,675	2,520	75.0	72.1	2,473	2,331	73.5	70.5
20 to 24 years	8,073	8,007	87.8	87.1	7,521	7,438	87.0	86.3
25 to 54 years	35,661	36,326	95.1	95.0	34,917	35,565	95.0	94.7
25 to 34 years	15,830	16,045	96.0	95.8	15,340	15,549	95.8	95.6
35 to 44 years	10,965	11,522	96.2	96.1	10,740	11,289	96.1	96.0
45 to 54 years	8,867	8,759	92.5	92.2	8,836	8,727	92.4	92.2
55 to 64 years	6,531	6,521	71.5	71.0	6,530	6,520	71.5	71.0
55 to 59 years	4,005	4,002	82.3	82.8	4,003	4,001	82.3	82.8
60 to 64 years	2,527	2,518	59.1	57.8	2,526	2,518	59.1	57.8
65 years and over	1,704	1,677	18.5	17.9	1,704	1,677	18.5	17.9
Black and other								
16 years and over	7,530	7,777	71.8	72.2	7,079	7,317	70.6	71.0
16 to 19 years	616	589	44.3	42.8	553	536	41.7	40.6
16 to 17 years	208	175	30.2	26.4	206	174	30.0	26.3
18 to 19 years	408	414	58.1	58.1	348	363	54.1	54.9
20 to 24 years	1,322	1,366	79.3	79.7	1,127	1,166	76.6	77.0
25 to 54 years	4,789	5,000	88.1	88.5	4,597	4,792	87.6	88.0
25 to 34 years	2,281	2,400	89.0	89.4	2,139	2,244	88.3	88.9
35 to 44 years	1,470	1,538	90.1	90.4	1,425	1,491	89.8	90.2
45 to 54 years	1,037	1,062	83.5	83.8	1,032	1,057	83.5	83.7
55 to 64 years	640	654	63.3	63.8	640	654	63.3	63.8
55 to 59 years	400	412	72.0	74.0	400	412	72.0	74.0
60 to 64 years	240	243	52.6	51.7	240	243	52.6	51.7
65 years and over	162	168	16.7	16.7	162	168	16.7	16.7

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	
	1981	1982	1981	1982	1981	1982	1981	1982
FEMALES								
16 years and over	46,873	47,944	52.2	52.7	46,696	47,755	52.1	52.6
16 to 19 years	4,240	4,082	52.0	51.6	4,211	4,056	51.8	51.4
16 to 17 years	1,692	1,561	42.5	41.0	1,691	1,561	42.5	41.0
18 to 19 years	2,548	2,520	61.1	61.4	2,520	2,495	60.9	61.2
20 to 24 years	7,537	7,568	69.8	70.1	7,451	7,477	69.6	69.9
25 to 54 years	29,122	30,221	65.3	66.4	29,059	30,149	65.3	66.3
25 to 34 years	12,970	13,458	66.8	68.1	12,912	13,393	66.7	68.0
35 to 44 years	9,050	9,657	66.9	68.0	9,045	9,651	66.8	68.0
45 to 54 years	7,102	7,106	61.1	61.6	7,101	7,105	61.1	61.6
55 to 64 years	4,799	4,888	41.4	41.8	4,799	4,888	41.4	41.8
55 to 59 years	3,003	3,007	49.3	49.6	3,003	3,007	49.3	49.6
60 to 64 years	1,796	1,881	32.6	33.4	1,796	1,881	32.6	33.4
65 years and over	1,176	1,185	8.0	7.9	1,176	1,185	8.0	7.9
White								
16 years and over	40,285	41,144	51.9	52.5	40,157	41,010	51.9	52.4
16 to 19 years	3,759	3,603	55.5	55.1	3,739	3,585	55.4	55.0
16 to 17 years	1,524	1,400	46.1	44.7	1,523	1,399	46.1	44.6
18 to 19 years	2,235	2,204	64.4	64.8	2,216	2,186	64.2	64.6
20 to 24 years	6,467	6,492	71.6	72.0	6,406	6,428	71.5	71.9
25 to 54 years	24,776	25,671	65.0	66.1	24,729	25,619	64.9	66.1
25 to 34 years	10,909	11,311	66.5	67.9	10,868	11,264	66.4	67.9
35 to 44 years	7,708	8,207	66.4	67.5	7,704	8,202	66.4	67.5
45 to 54 years	6,158	6,153	60.9	61.4	6,157	6,152	60.9	61.4
55 to 64 years	4,235	4,313	40.9	41.5	4,235	4,313	40.9	41.5
55 to 59 years	2,654	2,647	49.1	49.4	2,654	2,647	49.1	49.4
60 to 64 years	1,581	1,666	32.0	33.0	1,581	1,666	32.0	33.0
65 years and over	1,049	1,065	7.9	7.8	1,049	1,065	7.9	7.9
Black and other								
16 years and over	6,588	6,800	53.8	54.1	6,539	6,745	53.6	53.9
16 to 19 years	481	478	34.9	34.8	472	471	34.5	34.5
16 to 17 years	168	162	24.7	24.1	168	161	24.7	24.1
18 to 19 years	313	317	44.8	45.1	305	309	44.1	44.5
20 to 24 years	1,070	1,077	60.6	60.6	1,045	1,049	60.1	59.9
25 to 54 years	4,346	4,549	67.4	68.0	4,330	4,529	67.3	67.9
25 to 34 years	2,060	2,147	68.6	68.8	2,045	2,129	68.4	68.6
35 to 44 years	1,342	1,450	69.6	70.8	1,341	1,448	69.6	70.9
45 to 54 years	944	952	62.2	62.5	944	952	62.2	62.5
55 to 64 years	565	575	44.9	44.5	565	575	44.9	44.5
55 to 59 years	349	361	50.7	51.4	349	361	50.7	51.4
60 to 64 years	216	214	37.8	36.3	216	214	37.8	36.3
65 years and over	127	120	9.1	8.3	127	120	9.1	8.3

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5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL							
16 years and over	11,331	9,189	188	9,001	2,142	18.9	7,254
16 to 19 years	824	428	16	412	396	48.0	1,429
16 to 17 years	268	138	5	132	130	48.6	951
18 to 19 years	556	290	10	280	266	47.8	578
20 to 24 years	1,849	1,283	19	1,264	565	30.6	848
25 to 54 years	7,405	6,324	108	6,216	1,081	14.6	2,183
25 to 34 years	3,492	2,830	39	2,791	662	19.0	946
35 to 44 years	2,303	2,025	35	1,991	278	12.1	584
45 to 54 years	1,610	1,469	35	1,434	141	8.7	653
55 to 64 years	1,012	928	26	902	84	8.3	923
55 to 59 years	634	579	18	561	55	8.7	436
60 to 64 years	377	349	8	341	28	7.5	518
65 years and over	243	225	17	208	17	7.1	1,371
Males							
16 years and over	5,804	4,637	163	4,474	1,167	20.1	2,481
16 to 19 years	436	223	11	212	213	48.9	661
16 to 17 years	137	65	4	60	72	52.7	419
18 to 19 years	300	158	7	152	141	47.1	242
20 to 24 years	964	660	16	643	304	31.5	260
25 to 54 years	3,745	3,161	92	3,069	584	15.6	524
25 to 34 years	1,769	1,414	33	1,381	355	20.1	214
35 to 44 years	1,152	997	30	968	154	13.4	130
45 to 54 years	624	750	30	720	74	9.0	179
55 to 64 years	525	471	25	446	54	10.3	323
55 to 59 years	332	294	17	276	38	11.6	125
60 to 64 years	192	177	7	169	16	8.2	198
65 years and over	135	122	16	106	12	9.3	712
Females							
16 years and over	5,527	4,552	25	4,527	975	17.6	4,773
16 to 19 years	387	205	5	200	182	47.1	767
16 to 17 years	131	73	1	72	58	44.2	432
18 to 19 years	256	132	3	128	124	48.6	336
20 to 24 years	885	623	3	621	261	29.6	588
25 to 54 years	3,660	3,163	16	3,147	497	13.6	1,659
25 to 34 years	1,723	1,416	6	1,410	307	17.8	732
35 to 44 years	1,151	1,028	5	1,023	123	10.7	453
45 to 54 years	786	719	5	714	67	8.5	475
55 to 64 years	487	457	1	456	29	6.1	500
55 to 59 years	302	285	--	285	17	5.7	281
60 to 64 years	185	172	1	172	12	6.7	319
65 years and over	108	103	1	102	5	4.5	1,159

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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	
	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL								
Total noninstitutional population	172,272	174,451	74,105	75,383	81,646	83,027	16,521	16,940
Total labor force	110,812	112,384	58,883	59,719	42,634	43,862	9,295	9,803
Percent of population	64.3	64.4	79.5	79.2	52.2	52.8	56.3	54.9
Civilian labor force	108,670	110,204	57,197	57,980	42,485	43,699	8,988	9,526
Employed	100,397	99,526	53,582	52,891	39,590	40,086	7,225	6,549
Agriculture	3,368	3,401	2,384	2,422	604	601	380	378
Nonagricultural industries	97,030	96,125	51,199	50,469	38,986	39,485	6,845	6,171
Unemployed	8,273	10,678	3,615	5,089	2,895	3,613	1,763	1,977
Percent of labor force	7.6	9.7	6.3	8.8	6.8	8.3	19.6	23.2
Not in labor force	61,460	62,067	15,222	15,664	39,012	39,165	7,226	7,238
White								
Total noninstitutional population	149,551	151,105	65,013	65,985	70,785	71,827	13,753	13,293
Total labor force	96,694	97,807	51,969	52,531	36,526	37,541	8,199	7,735
Percent of population	64.7	64.7	79.9	79.6	51.6	52.3	59.6	58.2
Civilian labor force	95,052	96,143	50,671	51,200	36,418	37,425	7,962	7,518
Employed	88,709	87,903	47,846	47,209	34,275	34,710	6,588	5,994
Agriculture	3,109	3,142	2,183	2,218	567	565	359	358
Nonagricultural industries	85,600	84,761	45,663	44,990	33,708	34,144	6,229	5,626
Unemployed	6,343	8,241	2,825	3,991	2,143	2,715	1,374	1,534
Percent of labor force	6.7	8.6	5.6	7.8	5.9	7.3	17.3	20.4
Not in labor force	52,856	53,298	13,044	13,455	34,258	34,286	5,554	5,557
Black and other								
Total noninstitutional population	22,721	23,346	9,091	9,398	10,861	11,200	2,769	2,748
Total labor force	14,118	14,577	6,913	7,188	6,108	6,321	1,097	1,067
Percent of population	62.1	62.4	76.0	76.5	56.2	56.4	39.6	39.8
Civilian labor force	13,618	14,061	6,526	6,780	6,067	6,274	1,025	1,007
Employed	11,688	11,624	5,737	5,683	5,314	5,376	637	565
Agriculture	259	259	201	204	37	36	21	19
Nonagricultural industries	11,429	11,364	5,536	5,479	5,278	5,341	616	545
Unemployed	1,930	2,437	789	1,097	753	897	388	443
Percent of labor force	14.2	17.3	12.1	16.2	12.4	14.3	37.9	43.9
Not in labor force	8,603	8,769	2,178	2,209	4,754	4,879	1,672	1,690

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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	1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,690	12,494	12,196	20,520	10,404	10,116	4,170	2,090	2,080
Total labor force	15,240	8,270	6,970	13,233	7,137	6,096	2,007	1,133	874
Percent of population	61.7	66.2	57.2	64.5	68.6	60.3	48.1	54.2	42.0
Civilian labor force	14,547	7,644	6,904	12,706	6,656	6,050	1,841	987	854
Employed	11,561	5,969	5,593	10,429	5,366	5,063	1,132	603	529
Agriculture	557	462	94	524	436	88	33	26	6
Nonagricultural industries	11,005	5,506	5,498	9,905	4,930	4,975	1,100	577	523
Unemployed	2,986	1,675	1,311	2,277	1,290	987	709	384	324
Looking for full-time work	2,018	1,178	840	1,499	885	614	519	294	225
Looking for part-time work	968	497	471	778	406	372	190	51	99
Percent of labor force	20.5	21.9	19.0	17.9	19.4	16.3	38.5	38.9	38.0
Not in labor force	9,450	4,225	5,225	7,287	3,267	4,019	2,163	957	1,206
Major activity: going to school									
Civilian labor force	3,476	1,752	1,724	3,100	1,570	1,530	376	182	194
Employed	2,646	1,298	1,348	2,448	1,207	1,241	198	91	107
Agriculture	119	100	19	115	98	17	4	2	2
Nonagricultural industries	2,527	1,198	1,329	2,333	1,108	1,224	194	89	105
Unemployed	830	454	375	652	363	288	178	51	97
Looking for full-time work	142	75	67	96	53	43	46	22	24
Looking for part-time work	688	380	308	556	311	245	132	69	63
Percent of labor force	23.9	25.9	21.8	21.0	23.1	18.8	47.3	50.0	44.8
Not in labor force	6,397	3,235	3,162	4,973	2,541	2,432	1,423	694	730
Major activity: other									
Civilian labor force	11,071	5,891	5,180	9,607	5,086	4,520	1,465	805	660
Employed	8,915	4,671	4,244	7,981	4,159	3,822	934	511	423
Agriculture	437	362	75	409	338	71	29	24	4
Nonagricultural industries	8,478	4,309	4,169	7,573	3,822	3,751	905	487	418
Unemployed	2,156	1,220	936	1,625	927	698	531	293	237
Looking for full-time work	1,876	1,103	773	1,403	832	571	473	271	201
Looking for part-time work	280	117	163	222	95	127	58	22	36
Percent of labor force	19.5	20.7	18.1	16.9	18.2	15.5	36.2	36.4	36.0
Not in labor force	3,053	990	2,063	2,313	726	1,587	740	263	477

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

[Numbers in thousands]

Sex, age, and race	1982								
	Full-time labor force				Part-time labor force				
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	94,293	79,118	6,169	9,006	9.6	15,912	14,239	1,672	10.5
16 to 21 years	9,240	5,779	1,444	2,018	21.8	5,307	4,339	958	18.2
16 to 19 years	4,419	2,362	904	1,153	26.1	4,107	3,283	824	20.1
16 to 17 years	945	379	279	286	30.3	2,392	1,846	545	22.8
18 to 19 years	3,474	1,983	624	866	24.9	1,715	1,436	279	15.3
20 years and over	89,874	76,755	5,266	7,853	8.7	11,805	10,957	848	7.2
20 to 24 years	13,762	10,418	1,212	2,132	15.5	2,320	2,060	260	11.2
25 years and over	76,112	66,338	4,054	5,722	7.5	9,486	8,897	589	6.2
25 to 54 years	63,998	55,544	3,347	5,107	8.0	6,508	6,060	448	6.9
55 years and over	12,114	10,794	707	614	5.1	2,978	2,837	141	4.7
Males, 16 years and over	57,414	48,899	3,030	5,485	9.6	5,036	4,342	694	13.8
16 to 21 years	5,139	3,232	730	1,178	22.9	2,504	2,007	497	19.8
16 to 19 years	2,461	1,349	456	656	26.7	2,008	1,574	434	21.6
20 years and over	54,953	47,550	2,574	4,829	8.8	3,028	2,767	260	8.6
20 to 24 years	7,698	5,774	622	1,301	16.9	907	801	105	11.6
25 years and over	47,255	41,776	1,953	3,527	7.5	2,121	1,966	154	7.3
25 to 54 years	39,452	34,727	1,593	3,132	7.9	905	818	87	9.6
55 years and over	7,803	7,049	360	395	5.1	1,216	1,148	67	5.5
Females, 16 years and over	36,879	30,218	3,140	3,521	9.5	10,876	9,898	978	9.0
16 to 21 years	4,101	2,547	714	840	20.5	2,802	2,331	471	16.8
16 to 19 years	1,957	1,013	448	496	25.3	2,099	1,708	390	18.6
20 years and over	34,921	29,205	2,692	3,024	8.7	8,777	8,189	588	6.7
20 to 24 years	6,064	4,644	590	831	13.7	1,413	1,259	154	10.9
25 years and over	28,856	24,562	2,102	2,193	7.6	7,364	6,931	433	5.9
25 to 54 years	24,546	20,817	1,754	1,974	8.0	5,602	5,242	360	5.4
55 years and over	4,311	3,744	347	219	5.1	1,762	1,689	73	4.1
White									
Males, 16 years and over	50,645	43,817	2,544	4,284	8.5	4,488	3,927	561	12.5
16 to 21 years	4,405	2,910	610	885	20.1	2,251	1,846	406	18.0
16 to 19 years	2,124	1,237	390	497	23.4	1,809	1,453	357	19.7
20 years and over	48,521	42,580	2,154	3,787	7.8	2,679	2,474	205	7.6
20 to 24 years	6,633	5,141	510	982	14.8	806	722	84	10.4
25 years and over	41,889	37,439	1,644	2,805	6.7	1,873	1,752	122	6.5
25 to 54 years	34,793	30,982	1,338	2,472	7.1	772	704	69	8.9
55 years and over	7,095	6,457	306	333	4.7	1,101	1,048	53	4.8
Females, 16 years and over	31,098	25,911	2,594	2,594	8.3	9,912	9,110	802	8.1
16 to 21 years	3,533	2,293	625	614	17.4	2,517	2,145	372	14.8
16 to 19 years	1,698	930	400	368	21.7	1,867	1,575	311	15.5
20 years and over	29,400	24,981	2,194	2,225	7.6	8,025	7,535	490	6.1
20 to 24 years	5,170	4,091	492	587	11.4	1,258	1,141	117	9.3
25 years and over	24,230	20,890	1,702	1,638	6.8	6,767	6,394	373	5.6
25 to 54 years	20,434	17,557	1,426	1,451	7.1	5,186	4,876	310	6.0
55 years and over	3,756	3,333	277	186	4.9	1,582	1,518	63	4.0
Black and other									
Males, 16 years and over	6,769	5,082	486	1,201	17.7	548	415	133	24.2
16 to 21 years	734	322	119	294	40.0	253	162	91	36.0
16 to 19 years	337	113	66	159	47.1	199	122	77	38.8
20 years and over	6,431	4,970	420	1,042	16.2	349	293	56	15.9
20 to 24 years	1,065	634	112	319	30.0	101	79	22	21.5
25 years and over	5,366	4,336	308	722	13.5	247	214	34	13.8
25 to 54 years	4,658	3,744	255	660	14.2	133	114	19	14.3
55 years and over	708	592	53	63	8.9	114	99	15	13.2
Females, 16 years and over	5,780	4,307	546	927	16.0	964	788	177	18.3
16 to 21 years	568	254	89	225	39.7	286	187	99	34.6
16 to 19 years	259	83	48	128	49.3	212	133	79	37.2
20 years and over	5,521	4,224	498	799	14.5	752	654	98	13.0
20 to 24 years	894	553	97	244	27.3	155	118	38	24.3
25 years and over	4,628	3,671	401	556	12.0	597	536	61	10.2
25 to 54 years	4,113	3,261	330	524	12.7	416	366	50	12.0
55 years and over	515	411	72	33	6.4	180	170	10	5.6

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

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9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	1982									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	110,204	64.0	99,526	10,678	9.7	62,067	32,069	7,956	2,526	19,515
Husbands	39,711	80.0	37,219	2,492	6.3	9,929	134	200	869	8,726
With employed wife	21,800	91.9	20,571	1,229	5.6	1,926	47	110	286	1,483
With unemployed wife	1,708	93.3	1,386	321	18.8	122	3	6	27	86
With wife not in labor force	16,203	67.3	15,262	941	5.8	7,882	85	84	556	7,157
Wives	25,555	51.5	23,726	1,830	7.2	24,085	21,313	314	284	2,173
With employed husband	21,957	59.0	20,571	1,386	6.3	15,262	14,009	258	90	905
With unemployed husband	1,551	62.2	1,229	321	20.7	941	871	18	10	43
With husband not in labor force	2,047	20.6	1,926	122	6.0	7,882	6,433	39	185	1,226
Relatives in married-couple families	13,859	62.6	11,371	2,488	18.0	8,283	944	4,985	273	2,082
16 to 19 years	5,773	54.3	4,575	1,199	20.8	4,867	177	3,786	12	892
20 to 24 years	5,293	76.0	4,430	863	16.3	1,667	157	1,090	35	385
25 years and over	2,793	61.5	2,366	426	15.3	1,749	619	109	226	805
Females who maintain families	5,773	60.4	5,098	675	11.7	3,779	2,908	128	134	610
Relatives in families maintained by females	4,855	57.3	3,637	1,218	25.1	3,613	828	1,412	243	1,130
16 to 19 years	1,416	47.3	941	475	33.5	1,549	109	1,113	7	321
20 to 24 years	1,552	72.6	1,136	416	26.8	536	130	249	20	187
25 years and over	1,887	56.1	1,560	327	17.3	1,478	599	50	216	622
Males who maintain families	1,930	75.0	1,651	279	9.8	581	30	32	68	451
Relatives in families maintained by males	1,494	59.6	1,217	277	18.5	1,011	410	249	62	290
16 to 19 years	313	55.2	219	94	30.1	254	18	177	1	59
20 to 24 years	436	76.5	343	88	20.2	134	38	59	2	36
25 years and over	745	54.5	650	95	12.8	623	354	13	59	195
Persons living at	10,449	53.7	9,702	747	7.1	8,992	4,897	217	483	3,395
Males	5,454	71.6	4,960	494	9.1	2,159	125	131	203	1,701
Females	4,996	42.2	4,743	253	5.1	6,833	4,772	86	280	1,694
All others¹	6,678	78.8	5,905	772	11.6	1,794	605	419	110	658

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

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	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	4,577	6,179	7.4	9.9	3,696	4,499	7.9	9.4
Married, spouse present	1,766	2,632	4.3	6.5	1,513	1,918	6.0	7.4
Widowed, divorced, or separated	495	695	9.1	12.4	744	886	8.1	9.5
Single (never married)	2,316	2,853	14.6	17.7	1,439	1,694	11.5	13.5
White, 16 years and over	3,580	4,846	6.5	8.8	2,762	3,395	6.5	8.3
Married, spouse present	1,473	2,209	4.0	6.0	1,270	1,609	5.6	7.2
Widowed, divorced, or separated	367	522	8.3	11.3	529	653	7.2	8.7
Single (never married)	1,740	2,114	12.8	15.4	963	1,134	9.5	11.0
Black, 16 years and over	997	1,334	14.1	18.2	933	1,104	14.3	16.4
Married, spouse present	293	422	7.8	10.8	243	309	9.0	10.9
Widowed, divorced, or separated	128	173	12.9	17.5	215	234	11.6	13.1
Single (never married)	576	738	24.8	30.3	476	561	23.7	26.4
Hispanic, 16 years and over	3,560	5,020	6.4	8.9	2,852	3,575	6.5	8.4
Married, spouse present	1,704	2,558	4.4	6.6	1,430	1,826	5.4	7.2
Widowed, divorced, or separated	482	673	9.3	12.6	698	844	8.3	9.3
Single (never married)	1,373	1,789	12.2	15.2	724	903	9.9	13.4
White, 20 to 64 years of age	2,783	3,938	5.7	8.0	2,107	2,682	6.0	7.4
Married, spouse present	1,423	2,148	4.0	6.1	1,196	1,526	5.4	6.8
Widowed, divorced, or separated	358	506	8.5	11.5	491	617	7.3	8.2
Single (never married)	1,002	1,284	10.6	13.0	419	540	6.3	7.7
Black, 20 to 64 years of age	776	1,081	12.2	16.3	746	892	12.6	14.5
Married, spouse present	281	411	7.7	10.9	234	300	8.6	10.3
Widowed, divorced, or separated	124	167	13.1	17.8	207	228	11.9	13.3
Single (never married)	371	504	20.9	26.6	305	363	19.6	21.7

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11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	8,273	10,678	7.6	9.7	7.4	9.9	7.9	9.4
White-collar workers	2,223	2,767	4.0	4.9	2.8	3.8	5.1	5.8
Professional and technical	469	579	2.8	3.3	2.3	3.0	3.4	3.6
Managers and administrators, except farm	317	417	2.7	3.5	2.1	3.1	4.1	4.5
Sales workers	308	388	4.6	5.6	3.4	4.6	5.9	6.6
Clerical workers	1,129	1,384	5.7	7.0	5.1	6.8	5.5	7.0
Blue-collar workers	3,608	4,904	10.3	14.2	9.8	13.7	12.7	16.4
Craft and kindred workers	1,022	1,397	7.5	10.2	7.5	10.3	6.4	8.7
Carpenters and other construction workers	521	675	12.3	15.8	12.3	15.8	12.7	14.1
All other	501	722	5.3	7.7	5.3	7.6	5.6	8.2
Operatives, except transport	1,465	2,033	12.2	17.7	11.0	17.3	14.0	18.3
Transport equipment operatives	330	449	8.7	11.7	8.8	11.9	7.5	9.7
Nonfarm laborers	792	1,025	14.7	18.5	14.8	18.7	14.2	17.3
Construction laborers	238	299	23.0	29.3	22.7	29.1	(1)	(1)
All other	554	726	12.8	16.1	12.7	16.0	13.4	16.4
Service workers	1,307	1,626	8.9	10.6	9.3	11.3	8.6	10.1
Private household	54	69	4.9	6.2	(1)	(1)	4.9	6.0
All other	1,253	1,557	9.2	10.9	9.3	11.3	9.1	10.7
Farm workers	153	191	5.3	6.5	4.6	5.8	8.3	9.7
No previous work experience	982	1,190	--	--	--	--	--	--
16 to 19 years	729	877	--	--	--	--	--	--
20 to 24 years	164	203	--	--	--	--	--	--
25 years and over	88	109	--	--	--	--	--	--

¹ 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	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	100.0	100.0	7.6	9.7	7.4	9.9	7.9	9.4
Nonagricultural private wage and salary workers	74.5	76.9	7.7	10.1	7.7	10.7	7.7	9.4
Mining .....	.8	1.4	6.0	13.4	6.4	14.9	4.2	5.2
Construction	9.8	9.7	15.6	20.0	16.0	20.5	11.1	13.9
Manufacturing	23.1	26.0	8.3	12.3	7.1	11.4	10.6	14.1
Durable goods	13.8	16.7	8.2	13.3	7.4	12.8	10.2	14.8
Lumber and wood products	1.0	1.1	12.6	17.2	12.0	16.8	16.2	19.5
Furniture and fixtures .....	.6	.7	8.7	15.2	7.3	14.1	11.7	17.9
Stone, clay, and glass products .....	.7	.7	8.6	13.2	8.0	12.2	10.7	16.5
Primary metal industries	1.3	2.1	8.5	19.8	8.3	19.7	10.3	20.1
Fabricated metal products	1.8	2.2	9.6	15.6	8.9	15.1	11.5	17.1
Machinery, except electrical equipment	2.1	3.1	5.9	11.5	5.3	11.4	7.7	11.5
Electrical equipment	2.1	2.3	6.8	9.6	4.6	7.4	9.5	12.6
Transportation equipment	2.9	3.1	10.4	15.3	10.0	14.2	12.4	20.0
Automobiles	2.1	2.0	14.7	20.2	13.3	18.1	21.5	30.2
Other transportation equipment .....	.8	1.1	5.9	10.4	6.3	10.4	4.2	11.2
Instruments and related products .....	.4	.6	5.1	9.2	3.5	7.5	7.3	11.6
Other durable goods industries .....	.8	.9	9.1	11.9	6.9	8.6	12.4	16.9
Nondurable goods	9.4	9.2	8.4	10.8	6.5	8.8	11.1	13.4
Food and kindred products	2.4	2.2	10.1	11.9	7.9	10.1	15.0	16.1
Textile mill products	1.1	1.0	10.6	13.5	10.0	12.8	11.1	14.2
Apparel and other textile products	1.9	1.9	11.5	15.4	9.1	12.4	12.1	16.2
Paper and allied products .....	.5	.5	5.3	7.6	3.9	6.5	9.9	11.2
Printing and publishing	1.0	1.1	5.4	7.0	4.6	7.2	6.5	6.9
Chemicals and allied products .....	.8	.9	5.1	7.2	4.0	5.8	7.8	10.9
Rubber and plastics products	1.0	.9	10.9	13.2	9.0	11.1	14.1	16.8
Other nondurable goods industries .....	.7	.7	8.9	12.0	6.8	9.9	11.4	14.4
Transportation and public utilities	3.7	3.7	5.2	6.8	5.7	7.3	3.9	5.5
Railroads and railway express .....	.4	.6	6.1	12.2	6.2	12.5	4.6	8.8
Other transportation	2.6	2.5	7.7	9.7	8.2	10.2	6.0	3.3
Communication and other public utilities .....	.7	.6	2.3	2.7	2.2	2.2	2.5	3.5
Wholesale and retail trade	19.4	19.3	8.1	10.0	7.1	9.2	9.0	10.8
Finance, insurance, and real estate	2.4	2.6	3.5	4.7	3.0	4.4	3.6	4.9
Service industries	15.2	14.2	6.6	7.6	6.9	8.3	6.5	7.2
Professional services	6.3	5.6	4.7	5.2	3.9	4.7	5.0	5.4
All other service industries	8.9	8.6	9.4	10.9	9.6	11.4	9.1	10.5
Agricultural wage and salary workers	2.4	2.4	12.1	14.7	11.0	13.9	16.0	18.0
All other classes of workers	11.2	9.5	3.6	3.9	3.2	3.6	4.1	4.2
No previous work experience	11.9	11.1	--	--	--	--	--	--

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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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands...	8,273	10,678	3,615	5,089	2,895	3,613	1,763	1,977	6,343	8,241	1,930	2,407
Job losers.....	4,267	6,268	2,565	3,965	1,317	1,844	385	460	3,335	4,949	932	1,319
On layoff.....	1,430	2,127	892	1,394	444	622	93	111	1,206	1,795	224	337
Other job losers.....	2,837	4,141	1,673	2,571	873	1,222	292	349	2,129	3,154	708	982
Job leavers.....	923	840	356	327	404	379	162	134	758	698	164	142
Reentrants.....	2,102	2,384	592	678	1,023	1,197	487	509	1,565	1,785	537	590
New entrants.....	961	1,185	102	119	151	192	728	874	684	809	296	377
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	51.6	58.7	71.0	77.9	45.4	51.0	21.9	23.2	52.6	60.1	48.3	54.1
On layoff.....	17.3	19.9	24.7	27.4	15.3	17.2	5.3	5.6	19.0	21.8	11.5	13.6
Other job losers.....	34.3	38.8	46.3	50.5	30.1	33.8	16.6	17.6	33.6	38.3	36.7	40.5
Job leavers.....	11.2	7.9	9.9	6.4	14.0	10.5	9.2	6.8	12.0	8.5	3.5	5.8
Reentrants.....	25.4	22.3	16.4	13.3	35.3	33.1	27.6	25.9	24.7	21.7	27.8	24.6
New entrants.....	11.9	11.1	2.8	2.3	5.2	5.3	41.3	44.2	10.8	9.8	15.4	15.5
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.6	9.7	6.3	8.8	6.8	8.3	19.6	23.2	6.7	8.6	14.2	17.3
Job losers rate ¹	3.9	5.7	4.5	6.8	3.1	4.2	4.3	5.4	3.5	5.2	5.3	9.4
On layoff.....	.8	.8	.6	.6	1.0	.9	1.8	1.6	.8	.7	1.2	1.0
Other job losers.....	1.9	2.2	1.0	1.2	2.4	2.7	5.4	6.0	1.6	1.9	3.9	4.3
Job leavers rate ¹.....	.9	1.1	.2	.2	.4	.4	8.1	10.2	.7	.8	2.2	2.7

¹ 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	1982						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	10,678	100.0	36.4	31.0	32.6	16.0	16.6
Job losers.....	6,268	100.0	30.4	31.2	38.5	18.4	20.1
On layoff.....	2,127	100.0	40.3	31.2	28.5	15.3	13.2
Other job losers.....	4,141	100.0	25.3	31.1	43.6	20.0	23.6
Job leavers.....	840	100.0	40.6	31.0	28.4	14.5	13.9
Reentrants.....	2,384	100.0	46.2	30.2	23.5	12.1	11.4
New entrants.....	1,185	100.0	45.2	31.8	23.0	12.0	11.0
Males, 20 years and over.....	5,089	100.0	30.0	30.6	39.4	18.2	21.7
Job losers.....	3,965	100.0	28.3	30.6	41.0	19.0	22.1
On layoff.....	1,394	100.0	38.7	31.0	30.3	16.3	14.0
Other job losers.....	2,571	100.0	22.7	30.4	46.9	20.4	26.4
Job leavers.....	327	100.0	34.0	30.5	35.5	16.8	18.8
Reentrants.....	678	100.0	37.1	30.9	32.0	14.5	17.5
New entrants.....	119	100.0	33.7	28.9	37.4	15.8	21.5
Females, 20 years and over.....	3,613	100.0	39.4	30.6	30.0	15.1	14.9
Job losers.....	1,844	100.0	31.8	31.4	36.8	18.1	18.7
On layoff.....	622	100.0	41.0	31.3	27.6	14.4	13.2
Other job losers.....	1,222	100.0	27.1	31.4	41.5	20.0	21.5
Job leavers.....	379	100.0	42.4	30.9	25.6	14.2	12.4
Reentrants.....	1,197	100.0	49.6	29.4	21.0	11.1	10.0
New entrants.....	192	100.0	43.8	29.9	26.3	12.9	13.4
Both sexes, 16 to 19 years.....	1,977	100.0	47.2	32.7	20.1	12.1	8.0
Job losers.....	460	100.0	42.1	34.7	23.3	14.9	8.4
On layoff.....	111	100.0	56.0	33.0	11.0	7.4	3.5
Other job losers.....	349	100.0	37.6	35.2	27.2	17.3	10.0
Job leavers.....	134	100.0	51.8	32.2	16.0	9.7	6.3
Reentrants.....	509	100.0	50.6	31.3	18.1	11.5	6.5
New entrants.....	874	100.0	47.1	32.6	20.3	11.3	9.0

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

Sex, age, and race	1982								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	
Total, 16 years and over	10,678	8,429	24.2	5.8	77.8	34.7	16.3	4.7	1.63
16 to 19 years	1,977	1,847	15.5	3.1	82.5	27.1	14.3	3.2	1.46
20 to 24 years	2,392	1,954	26.7	5.8	79.1	35.5	15.5	3.6	1.66
25 to 34 years	3,037	2,263	27.7	7.0	76.0	38.8	17.5	4.7	1.77
35 to 44 years	1,552	1,137	27.8	6.9	75.8	37.1	17.1	5.9	1.71
45 to 54 years	966	689	26.0	7.3	75.3	35.7	17.1	6.7	1.68
55 to 64 years	647	458	21.0	6.3	71.8	34.9	17.7	10.0	1.62
65 years and over	107	80	16.2	3.7	70.0	26.2	17.5	5.0	1.39
Males, 16 years and over	6,179	4,635	26.9	5.8	78.8	32.6	18.3	5.8	1.68
16 to 19 years	1,090	1,000	17.0	3.1	83.2	26.1	16.2	2.9	1.48
20 to 24 years	1,407	1,106	29.7	5.8	80.0	33.1	17.6	3.9	1.70
25 to 34 years	1,791	1,234	31.0	6.8	77.1	37.4	19.9	5.8	1.78
35 to 44 years	879	596	31.9	7.4	76.5	33.9	20.0	8.2	1.79
45 to 54 years	550	374	28.9	7.8	77.5	33.2	17.9	10.2	1.75
55 to 64 years	393	272	21.0	5.9	72.8	30.9	18.8	14.0	1.63
65 years and over	69	53	17.0	3.8	77.4	20.8	17.0	3.8	1.40
Females, 16 years and over	4,499	3,793	20.9	5.8	76.5	37.3	13.8	3.4	1.58
16 to 19 years	886	847	13.7	3.2	81.7	28.3	12.2	3.5	1.43
20 to 24 years	985	848	22.6	6.0	77.9	38.6	12.7	3.3	1.61
25 to 34 years	1,246	1,029	23.6	7.2	74.7	40.5	14.6	3.3	1.64
35 to 44 years	673	541	23.3	6.5	74.9	40.9	14.0	3.1	1.63
45 to 54 years	416	315	22.5	6.3	72.7	39.0	16.5	2.9	1.60
55 to 64 years	254	186	21.0	7.0	70.4	40.9	16.7	4.8	1.61
65 years and over	38	27	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	8,241	6,339	22.4	5.9	78.1	37.0	16.5	4.7	1.65
Males	4,846	3,526	25.4	5.9	79.1	34.7	18.4	6.1	1.77
Females	3,395	2,813	18.8	5.8	76.8	39.8	14.0	3.0	1.58
Black and other, 16 years and over	2,437	2,090	29.4	5.7	76.7	27.8	15.7	4.8	1.60
Males	1,334	1,110	31.8	5.6	77.7	25.8	17.9	5.0	1.64
Females	1,104	980	26.7	5.9	75.7	29.9	13.1	4.5	1.56

¹ 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	1982								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	
Total, 16 years and over	10,678	8,429	24.2	5.8	77.8	34.7	16.3	4.7	1.63
Job losers	6,268	4,134	30.7	6.5	78.6	36.5	18.3	5.4	1.76
Job leavers	840	844	21.9	7.5	77.6	39.8	14.5	2.6	1.64
Reentrants	2,384	2,274	17.7	5.1	74.6	34.2	14.2	5.2	1.51
New entrants	1,185	1,177	15.4	3.5	80.8	25.4	14.2	3.2	1.42
Males, 16 years and over	6,179	4,635	26.9	5.8	78.8	32.6	18.3	5.8	1.68
Job losers	4,278	2,792	31.8	6.4	78.8	34.2	19.4	6.6	1.77
Job leavers	390	390	23.3	6.4	78.5	39.2	16.4	3.3	1.67
Reentrants	946	891	19.8	5.5	76.4	29.9	16.9	6.5	1.55
New entrants	565	562	16.4	3.0	82.4	24.2	16.0	2.8	1.45
Females, 16 years and over	4,499	3,793	20.9	5.8	76.5	37.3	13.8	3.4	1.58
Job losers	1,990	1,342	28.5	6.9	78.4	41.4	15.9	2.8	1.74
Job leavers	450	454	20.7	8.1	76.7	40.3	12.8	2.2	1.61
Reentrants	1,438	1,383	16.3	4.9	73.5	36.9	12.4	4.3	1.48
New entrants	621	615	14.5	3.9	79.2	26.5	12.7	3.6	1.40

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	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	8,273	10,678	100.0	100.0	6,795	9,006	100.0	100.0
Less than 5 weeks	3,449	3,883	41.7	36.4	2,589	2,987	38.1	33.2
5 to 14 weeks	2,539	3,311	30.7	31.0	2,117	2,808	31.2	31.2
5 to 10 weeks	1,852	2,312	22.4	21.7	1,537	1,936	22.6	21.5
11 to 14 weeks	687	999	8.3	9.4	579	873	8.5	9.7
15 weeks and over	2,285	3,485	27.6	32.6	2,090	3,210	30.8	35.6
15 to 26 weeks	1,122	1,708	13.6	16.0	1,010	1,545	14.9	17.2
27 weeks and over	1,162	1,776	14.0	16.6	1,080	1,665	15.9	18.5
27 to 51 weeks	604	952	7.3	8.9	559	896	8.2	9.9
52 weeks and over	559	825	6.8	7.7	520	769	7.7	8.5
Average (mean) duration, in weeks	13.7	15.6	--	--	14.9	16.8	--	--
Median duration, in weeks	6.9	8.7	--	--	7.9	9.6	--	--

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			1981	1982	1981	1982
	1982										
Total, 16 years and over	10,678	3,883	3,311	1,708	1,776	15.6	8.7	41.7	36.4	27.5	32.6
16 to 21 years	2,986	1,331	970	389	296	11.5	6.3	49.2	44.6	19.2	23.0
16 to 19 years	1,977	932	647	239	159	10.4	5.6	52.2	47.2	17.0	20.1
20 to 24 years	2,392	891	765	384	351	14.5	8.3	42.1	37.3	26.1	30.7
25 to 34 years	3,037	1,020	938	527	552	16.7	9.6	38.8	33.6	30.3	35.5
35 to 44 years	1,552	502	463	262	325	18.0	10.2	37.0	32.3	33.4	37.8
45 to 54 years	966	300	284	163	219	18.9	10.5	35.7	31.1	35.0	39.6
55 to 64 years	647	199	183	114	152	19.5	11.0	33.3	30.7	36.9	41.1
65 years and over	107	39	31	19	19	17.0	8.6	43.5	36.2	29.5	35.2
Males, 16 years and over	6,179	2,010	1,925	1,061	1,183	17.3	9.8	37.8	32.5	31.3	35.3
16 to 21 years	1,675	688	561	234	192	12.6	7.0	45.7	41.1	21.7	25.4
16 to 19 years	1,090	483	367	137	103	11.3	6.2	48.9	44.3	19.0	22.0
20 to 24 years	1,407	458	466	249	235	16.1	9.5	37.3	32.5	30.5	34.4
25 to 34 years	1,791	522	554	333	382	18.7	11.0	34.7	29.1	34.1	39.0
35 to 44 years	879	252	258	162	207	20.0	11.6	32.5	28.7	39.1	42.0
45 to 54 years	550	160	152	96	143	20.6	11.7	32.6	29.1	39.5	43.3
55 to 64 years	353	112	107	72	102	21.1	12.5	31.7	28.5	33.1	44.2
65 years and over	69	23	21	12	13	17.8	9.2	41.8	33.7	33.4	36.0
Females, 16 years and over	4,499	1,873	1,385	647	593	13.3	7.1	46.5	41.6	23.0	27.6
16 to 21 years	1,311	643	408	155	104	10.2	5.2	53.6	49.0	16.2	19.8
16 to 19 years	886	449	279	102	56	9.4	4.9	56.1	50.6	14.7	17.8
20 to 24 years	985	434	300	135	116	12.3	6.5	48.7	44.0	20.0	25.6
25 to 34 years	1,246	499	384	193	170	13.9	7.7	43.7	40.0	25.7	29.2
35 to 44 years	673	250	205	101	118	15.3	8.5	41.8	37.1	27.2	32.4
45 to 54 years	416	140	132	67	76	16.7	9.4	39.5	33.7	29.4	34.6
55 to 64 years	254	87	75	42	50	17.0	9.4	35.5	34.2	35.2	36.2
65 years and over	38	15	10	7	6	15.6	7.7	45.6	40.5	24.4	33.7
White, 16 years and over	8,241	3,025	2,606	1,318	1,292	15.0	8.5	42.6	36.7	25.4	31.7
Males	4,846	1,589	1,539	843	874	16.6	9.6	38.7	32.8	30.2	35.4
Females	3,355	1,435	1,067	475	418	12.7	6.9	47.8	42.3	21.4	26.3
Black and other, 16 years and over	2,437	858	704	390	485	17.8	9.4	38.6	35.2	31.7	35.9
Males	1,334	421	386	218	309	19.8	10.6	34.8	31.5	35.4	39.5
Females	1,104	438	318	172	176	15.4	8.0	42.7	39.6	27.7	31.5
Males, 16 years and over:											
Married, spouse present	2,632	786	811	479	556	18.4	10.7	35.2	29.9	35.5	39.3
Widowed, divorced, or separated	695	204	203	118	169	20.6	11.5	32.0	29.4	37.5	41.4
Single (never married)	2,853	1,019	912	464	458	15.5	8.7	41.0	35.7	26.8	32.3
Females, 16 years and over:											
Married, spouse present	1,918	782	605	279	253	13.2	7.4	46.2	40.7	23.3	27.7
Widowed, divorced, or separated	886	332	263	137	154	15.5	8.4	40.1	37.5	23.3	32.8
Single (never married)	1,654	760	517	232	187	12.3	6.3	50.1	44.8	19.7	24.7

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			1981	1982	1981	1982
	1982										
OCCUPATION											
White-collar workers	2,767	1,023	884	438	422	14.8	8.4	41.6	37.0	21.7	31.1
Professional and managerial	996	343	320	163	171	15.8	9.1	39.1	34.4	21.2	33.7
Sales workers	388	144	122	67	55	14.7	8.7	44.8	37.2	24.4	31.4
Clerical workers	1,384	537	443	209	196	14.0	7.9	42.7	38.9	25.2	29.7
Blue-collar workers	4,904	1,573	1,489	875	967	17.5	10.1	37.6	32.1	22.1	37.6
Craft and kindred workers	1,397	444	447	248	259	16.8	10.0	37.3	31.8	31.0	36.2
Operatives, except transport	2,033	671	596	367	399	17.2	10.1	38.1	33.0	32.5	37.7
Transport equipment operatives	449	132	132	81	104	19.7	10.8	35.8	29.4	24.4	41.2
Nonfarm laborers	1,025	327	315	179	205	17.9	10.0	38.0	31.9	31.5	37.6
Service workers	1,626	655	502	230	240	14.3	7.5	46.2	40.3	21.4	28.0
INDUSTRY¹											
Agriculture	260	118	82	35	25	11.3	5.9	48.8	45.7	18.1	22.0
Construction	1,065	346	343	194	182	16.3	9.8	37.7	32.9	20.6	25.8
Manufacturing	2,777	869	816	509	564	18.1	10.7	36.9	31.2	24.2	32.4
Durable goods	1,792	514	521	344	413	19.2	11.7	34.7	29.7	27.1	42.3
Nondurable goods	585	354	295	164	171	16.0	9.1	40.5	36.4	30.6	34.0
Transportation and public utilities	442	143	135	78	86	18.2	9.9	39.2	32.3	31.5	37.2
Wholesale and retail trade	2,077	797	675	313	252	14.0	7.8	44.0	39.4	24.2	29.1
Finance and service industries	2,241	859	689	332	359	15.0	8.1	42.7	38.3	26.0	30.0
Public administration	259	81	71	45	61	19.4	11.1	35.4	31.5	23.7	41.1
No previous work experience	1,190	540	377	143	130	12.5	6.1	39.8	45.4	20.4	22.0

¹ Includes wage and salary workers only.

20. Employed persons by industry, age, and sex

[In thousands]

Industry and age	Total		Males		Females	
	1981	1982	1981	1982	1981	1982
All industries	100,397	99,526	57,397	56,271	43,000	43,256
16 to 19 years	7,225	6,549	3,815	3,379	3,411	3,170
16 to 17 years	2,866	2,595	1,526	1,307	1,346	1,263
18 to 19 years	4,359	4,044	2,289	2,072	2,070	1,907
20 to 24 years	14,122	13,690	7,504	7,197	6,619	6,392
25 to 54 years	64,580	64,951	37,357	37,138	27,223	27,313
25 to 34 years	28,180	28,149	16,266	16,002	11,914	12,147
35 to 44 years	20,145	20,879	11,613	11,902	8,532	8,777
45 to 54 years	16,255	15,923	9,478	9,234	6,777	6,569
55 to 64 years	11,525	11,414	6,909	6,781	4,616	4,547
55 to 59 years	7,126	7,001	4,243	4,151	2,883	2,847
60 to 64 years	4,399	4,414	2,667	2,630	1,732	1,704
65 years and over	2,945	2,923	1,812	1,776	1,137	1,147
Nonagricultural industries	97,030	96,125	54,697	53,534	42,333	42,501
16 to 19 years	6,845	6,171	3,498	3,065	3,347	3,106
16 to 17 years	2,676	2,320	1,367	1,151	1,310	1,160
18 to 19 years	4,169	3,851	2,131	1,914	2,037	1,946
20 to 24 years	13,687	13,255	7,145	6,888	6,264	6,401
25 to 54 years	62,840	63,143	36,022	35,731	27,139	27,811
25 to 34 years	27,496	27,383	15,727	15,391	11,783	11,901
35 to 44 years	19,598	20,334	11,207	11,490	8,281	8,591
45 to 54 years	15,747	15,425	9,087	8,850	6,260	6,207
55 to 64 years	11,015	10,931	6,489	6,382	4,526	4,525
55 to 59 years	6,850	6,740	4,023	3,941	2,827	2,809
60 to 64 years	4,166	4,191	2,466	2,441	1,699	1,719
65 years and over	2,641	2,626	1,543	1,508	1,058	1,119
Agriculture	3,368	3,401	2,700	2,736	667	655
16 to 19 years	380	378	317	314	63	64
16 to 17 years	190	185	159	156	31	30
18 to 19 years	190	193	158	158	32	34
20 to 24 years	435	435	359	350	76	85
25 to 54 years	1,740	1,808	1,335	1,408	461	402
25 to 34 years	684	765	539	611	141	154
35 to 44 years	547	545	406	412	141	133
45 to 54 years	508	499	391	386	117	114
55 to 64 years	510	494	420	398	60	86
55 to 59 years	276	261	220	209	57	51
60 to 64 years	233	223	200	186	33	34
65 years and over	304	297	269	267	35	29

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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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL	100,397	99,526	53,582	52,891	39,590	40,086	3,815	3,379	3,411	3,179
White-collar workers	52,949	53,470	23,947	24,141	26,555	27,097	661	586	1,786	1,647
Professional and technical	16,420	16,951	9,015	9,231	7,222	7,563	85	71	97	87
Health workers	3,125	3,263	1,006	1,060	2,098	2,187	5	3	15	12
Teachers, except college	3,197	3,266	935	953	2,244	2,295	5	3	13	15
Other professional and technical	10,098	10,422	7,074	7,218	2,880	3,081	75	65	68	60
Managers and administrators, except farm	11,540	11,493	8,312	8,219	3,119	3,173	60	55	49	46
Salaried workers	9,577	9,630	6,849	6,842	2,624	2,690	56	52	47	45
Self-employed workers in retail trade	870	838	557	545	309	291	3	1	1	1
Self-employed workers, except retail trade	1,093	1,026	906	832	185	192	2	2	--	--
Sales workers	6,425	6,580	3,289	3,370	2,508	2,585	220	225	407	400
Retail trade	3,262	3,310	1,027	1,067	1,700	1,719	164	163	371	361
Other industries	3,162	3,270	2,262	2,303	808	866	56	62	36	40
Clerical workers	18,564	18,446	3,331	3,321	13,706	13,776	295	235	1,232	1,114
Stenographers, typists, and secretaries	5,022	4,855	75	69	4,652	4,535	7	5	287	246
Other clerical workers	13,542	13,591	3,256	3,252	9,054	9,241	288	230	945	868
Blue-collar workers	31,261	29,597	23,497	22,432	5,519	5,257	1,937	1,632	309	276
Craft and kindred workers	12,662	12,272	11,469	11,087	771	835	390	321	32	30
Carpenters	1,122	1,082	1,055	1,021	19	18	46	43	2	--
Construction craft workers, except carpenters	2,593	2,509	2,446	2,376	43	48	98	80	4	5
Mechanics and repairers	3,408	3,358	3,204	3,171	62	66	142	120	1	2
Metal craft workers	1,294	1,168	1,210	1,106	54	49	29	21	--	1
Blue-collar worker supervisors, not elsewhere classified	1,816	1,688	1,602	1,479	203	203	8	4	3	1
All other	2,430	2,467	1,953	1,933	390	460	67	55	20	20
Operatives, except transport	10,540	9,429	5,817	5,214	4,019	3,683	533	376	171	155
Durable goods manufacturing	4,605	3,967	2,892	2,460	1,518	1,373	143	95	52	38
Nondurable goods manufacturing	3,339	3,054	1,294	1,216	1,857	1,710	111	55	78	74
Other industries	2,597	2,409	1,632	1,538	645	600	279	226	40	44
Transport equipment operatives	3,476	3,377	3,030	2,951	297	290	137	124	12	12
Drivers, motor vehicles	2,966	2,921	2,561	2,540	274	263	120	108	11	11
All other	511	456	469	411	23	27	17	17	1	1
Nonfarm laborers	4,583	4,518	3,180	3,180	432	449	877	810	94	80
Construction	797	722	665	594	13	16	116	110	4	3
Manufacturing	986	880	753	682	139	136	86	56	8	6
Other industries	2,800	2,516	1,762	1,904	281	297	675	644	83	71
Service workers	13,438	13,736	4,136	4,328	7,071	7,299	961	906	1,271	1,202
Private household workers	1,047	1,042	26	21	806	796	11	11	204	214
Service workers, except private household	12,391	12,694	4,109	4,307	6,265	6,504	950	895	1,066	988
Food service workers	4,682	4,760	954	1,043	2,365	2,438	627	591	736	588
Protective service workers	1,459	1,546	1,289	1,352	142	161	22	26	6	7
All other	6,250	6,388	1,866	1,912	3,758	3,905	301	278	324	292
Farm workers	2,749	2,723	2,004	1,991	444	433	256	255	45	44
Farmers and farm managers	1,485	1,452	1,298	1,264	166	170	19	16	2	1
Farm laborers and supervisors	1,264	1,271	706	727	278	263	237	239	43	43
Paid workers	1,010	1,028	670	690	127	121	184	183	29	33
Unpaid family workers	254	244	36	37	151	142	53	56	14	10

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22. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Males		Females	
	1981	1982	1981	1982	1981	1982
TOTAL						
Total, 16 years and over (thousands)	100,397	99,526	57,397	56,271	43,000	43,256
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.7	53.7	42.9	43.9	65.9	66.5
Professional and technical	16.4	17.0	15.9	16.5	17.0	17.7
Managers and administrators, except farm	11.5	11.5	14.6	14.7	7.4	7.4
Sales workers	6.4	6.6	6.1	6.4	6.8	6.9
Clerical workers	18.5	18.5	6.3	6.3	34.7	34.4
Blue-collar workers	31.1	29.7	44.3	42.8	13.6	12.9
Craft and kindred workers	12.6	12.3	20.7	20.3	1.9	2.0
Operatives, except transport	10.5	9.5	11.1	9.9	9.7	8.9
Transport equipment operatives	3.5	3.4	5.5	5.5	.7	.7
Nonfarm laborers	4.6	4.5	7.1	7.1	1.2	1.2
Service workers	13.4	13.8	8.9	9.3	19.4	19.7
Private household workers	1.0	1.0	.1	.1	2.3	2.3
Other service workers	12.3	12.8	8.8	9.2	17.1	17.3
Farm workers	2.7	2.7	3.9	4.0	1.1	1.1
Farmers and farm managers	1.5	1.5	2.3	2.3	.4	.4
Farm laborers and supervisors	1.3	1.3	1.6	1.7	.7	.7
White						
Total, 16 years and over (thousands)	88,709	87,903	51,315	50,287	37,394	37,615
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	54.3	55.3	44.3	45.4	67.9	68.5
Professional and technical	16.7	17.4	16.3	17.0	17.3	18.0
Managers and administrators, except farm	12.3	12.3	15.5	15.6	7.8	8.0
Sales workers	6.8	7.1	6.5	6.8	7.3	7.4
Clerical workers	18.5	18.5	6.1	6.1	35.5	35.1
Blue-collar workers	30.7	29.2	43.6	42.0	12.9	12.1
Craft and kindred workers	13.1	12.8	21.2	20.8	1.9	2.1
Operatives, except transport	10.0	8.9	10.6	9.5	9.1	8.2
Transport equipment operatives	3.3	3.3	5.2	5.2	.7	.7
Nonfarm laborers	4.3	4.2	6.6	6.5	1.2	1.2
Service workers	12.2	12.6	8.0	8.4	17.9	19.1
Private household workers	.8	.8	.1	(1)	1.8	1.9
Other service workers	11.4	11.7	8.0	8.3	16.1	16.3
Farm workers	2.9	2.9	4.1	4.1	1.2	1.2
Farmers and farm managers	1.6	1.6	2.5	2.5	.4	.4
Farm laborers and supervisors	1.2	1.3	1.6	1.7	.8	.7
Black and other						
Total, 16 years and over (thousands)	11,688	11,624	6,083	5,983	5,606	5,641
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	41.1	41.6	30.6	31.4	52.4	52.5
Professional and technical	13.9	14.1	12.4	12.7	15.5	15.7
Managers and administrators, except farm	5.8	5.7	7.2	7.4	4.2	3.9
Sales workers	3.0	3.1	2.8	2.9	3.2	3.3
Clerical workers	18.4	18.7	8.2	8.4	29.5	29.7
Blue-collar workers	34.8	33.4	50.6	48.8	17.7	17.1
Craft and kindred workers	9.2	8.9	16.2	15.9	1.5	1.5
Operatives, except transport	14.6	13.5	14.9	13.5	14.3	13.5
Transport equipment operatives	4.6	4.3	8.2	7.6	.7	.7
Nonfarm laborers	6.5	6.8	11.3	11.8	1.3	1.5
Service workers	22.4	23.2	16.2	17.1	29.3	29.7
Private household workers	2.9	2.7	.2	.2	5.8	5.4
Other service workers	19.6	20.5	16.0	16.9	23.4	24.4
Farm workers	1.6	1.7	2.6	2.7	.6	.6
Farmers and farm managers	.3	.3	.5	.4	.1	.1
Farm laborers and supervisors	1.3	1.4	2.1	2.3	.5	.5

¹ Less than 0.05 percent.

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Occupation	1982			Occupation	1982		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	99,526	43.5	11.7				
White-collar workers	53,470	53.8	9.1	White-collar workers—Continued			
Professional and technical	16,951	45.1	9.7	Managers and administrators, except farm—Continued			
Accountants	1,193	38.6	9.2	Inspectors, except construction and public administration	107	15.0	10.3
Architects	94	8.5	9.6	Managers and superintendents, building	183	52.5	7.7
Computer specialists	751	28.5	10.0	Office managers, n.e.c.	507	72.6	3.2
Computer programmers	434	32.0	10.4	Officials and administrators; public administration n.e.c.	430	29.3	9.3
Computer systems analysts	242	26.4	9.9	Officials of lodges, societies, and unions	126	28.6	7.9
Engineers	1,574	5.7	6.9	Restaurant, cafeteria, and bar managers	768	40.6	11.5
Aeronautical and astronautical engineers	71	4.2	4.2	Sales managers and department heads, retail trade	353	39.7	7.1
Civil engineers	199	2.5	9.0	Sales managers, except retail trade	372	12.9	3.0
Electrical and electronic engineers	404	4.0	7.7	School administrators, college	130	36.2	13.1
Industrial engineers	260	14.2	6.9	School administrators, elementary and secondary	293	36.2	13.0
Mechanical engineers	240	2.9	6.7	All other managers and administrators	6,727	19.9	4.7
Foresters and conservationists	61	6.6	4.9	Sales workers	6,580	45.4	5.5
Lawyers and judges	630	15.4	3.7	Advertising agents and sales workers	130	46.9	3.8
Lawyers	606	15.5	3.6	Demonstrators	116	94.0	5.2
Librarians, archivists, and curators	207	80.7	8.7	Hucksters and peddlers	197	78.2	8.1
Librarians	193	83.4	8.8	Insurance agents, brokers, and underwriters	645	26.2	7.1
Life and physical scientists	320	20.6	9.4	Newspaper carriers and vendors	116	29.3	9.5
Biological scientists	63	46.0	6.3	Real estate agents and brokers	534	50.2	2.4
Chemists	133	20.3	15.8	Stock and bond sales agents	197	19.8	6.1
Operations and systems researchers and analysts	246	31.7	6.9	Sales workers and sales clerks, n.e.c.	4,639	46.4	5.5
Personnel and labor relations workers	423	49.6	11.1	Sales representatives, manufacturing industries	383	21.4	3.7
Physicians, dentists, and related practitioners	869	14.6	10.7	Sales representatives, wholesale trade	1,020	13.9	2.7
Dentists	121	3.3	5.8	Sales clerks, retail trade	2,447	70.0	7.2
Pharmacists	168	23.8	10.1	Sales workers, except clerks, retail trade	522	19.2	4.4
Physicians, medical and osteopathic	486	14.8	13.8	Sales workers, services and construction	268	42.5	4.9
Nurses, dietitians, and therapists	1,736	91.8	12.8	Clerical workers	18,446	80.7	11.8
Registered nurses	1,415	95.6	8.3	Bank tellers	561	92.0	8.0
Therapists	252	70.6	10.7	Billing clerks	154	87.7	6.5
Health technologists and technicians	657	72.9	13.7	Bookkeepers	1,968	91.8	6.6
Clinical laboratory technologists and technicians	266	76.7	16.9	Cashiers	1,683	86.8	12.8
Radiologic technologists and technicians	108	72.2	10.2	Clerical supervisors, n.e.c.	270	72.2	10.7
Religious workers	347	13.8	6.1	Collectors, bill and account	87	62.1	11.5
Clergy	285	5.3	7.0	Counter clerks, except food	373	76.4	9.7
Social scientists	345	38.0	7.5	Dispatchers and starters, vehicle	110	38.2	7.3
Economists	200	28.0	7.5	Enumerators and interviewers	53	83.0	11.3
Psychologists	120	55.0	7.5	Estimators and investigators, n.e.c.	570	58.4	12.8
Social and recreation workers	496	65.5	17.9	Expeditors and production controllers	257	42.4	8.9
Social workers	384	66.4	19.0	File clerks	278	84.5	21.2
Recreation workers	113	61.9	13.3	Insurance adjusters, examiners, and investigators	200	56.5	10.0
Teachers, college and university	601	35.4	8.5	Library attendants and assistants	150	81.3	16.0
Teachers, except college and university	3,266	70.7	10.3	Mail carriers, post office	264	17.0	14.0
Adult education teachers	79	40.5	15.2	Mail handlers, except post office	182	47.3	20.9
Elementary school teachers	1,434	82.4	11.6	Messengers and office helpers	115	23.5	19.1
Prekindergarten and kindergarten teachers	271	98.5	12.9	Office machine operators	1,107	74.6	17.7
Secondary school teachers	1,231	51.9	8.6	Bookkeeping and billing machine operators	42	85.7	14.3
Teachers except college and university, n.e.c.	250	76.0	6.8	Computer and peripheral equipment operators	588	63.3	15.5
Engineering and science technicians	1,114	18.3	10.3	Keypunch operators	364	94.5	20.3
Chemical technicians	93	24.7	16.1	Payroll and timekeeping clerks	224	82.1	8.9
Drafters	304	18.1	11.2	Postal clerks	271	35.1	26.9
Electrical and electronic engineering technicians	314	12.4	11.5	Receptionists	672	97.5	8.3
Surveyors	68	1.5	4.4	Secretaries	3,847	99.2	7.4
Technicians, except health, engineering, and science	214	22.9	7.0	Secretaries, legal	175	99.4	5.7
Airplane pilots	83	3.6	2.4	Secretaries, medical	85	100.0	5.9
Radio operators	65	55.4	7.7	Secretaries, n.e.c.	3,587	99.2	7.5
Vocational and educational counselors	164	51.8	15.2	Shipping and receiving clerks	499	24.8	13.8
Writers, artists, and entertainers	1,399	42.9	6.7	Statistical clerks	365	81.6	14.0
Athletes and kindred workers	136	50.7	5.1	Stenographers	66	84.8	13.6
Designers	221	32.6	5.4	Stock clerks and storekeepers	497	36.8	16.1
Editors and reporters	204	51.0	5.9	Teachers' aides, except school monitors	373	92.5	20.1
Musicians and composers	149	28.9	10.7	Telephone operators	283	91.9	17.3
Painters and sculptors	208	51.9	4.8	Ticket, station, and express agents	154	47.4	13.0
Photographers	96	22.9	7.3	Typists	942	96.6	17.4
Public relations specialists and publicity writers	134	50.0	4.5	All other clerical workers	1,871	77.9	13.1
Research workers, not specified	191	35.6	10.5	Blue-collar workers	29,597	18.7	13.1
All other professional and technical workers	53	47.2	5.7	Craft and kindred workers	12,272	7.0	8.4
Managers and administrators, except farm	11,493	28.0	5.7	Carpenters	1,082	1.7	5.9
Bank officials and financial managers	731	37.1	5.1	Brickmasons and stonemasons	145	..	15.9
Buyers and purchasing agents	474	35.7	4.6	Cement and concrete finishers	55	..	32.7
Buyers, wholesale and retail trade	195	43.1	5.1	Electricians	628	1.6	8.0
Credit and collection managers	64	48.4	6.3	Excavating, grading, and road machinery operators	399	1.3	10.3
Health administrators	228	50.9	5.3	Painters, construction and maintenance	473	5.5	11.0

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Occupation	1982			Occupation	1982		
	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	482	.8	7.5	Shoemaking machine operatives	72	73.6	11.1
Structural metal craft workers	81	--	3.7	Furnace tenders and stokers, except metal	67	3.0	16.4
Roofers and slaters	133	.8	8.3	Textile operatives	270	63.0	26.3
Blue-collar worker supervisors, n.e.c	1,688	12.1	7.8	Spinners, twisters, and winders	97	69.1	32.0
Machinists and job setters	589	3.1	9.7	Welders and flame cutters	602	4.8	11.8
Job and die setters, metal	74	2.7	9.5	Winding operatives, n.e.c	50	48.0	20.0
Machinists	515	3.1	9.7	All other operatives, except transport	2,654	32.1	16.5
Metal craft workers, excluding mechanics, machinists, and job setters	579	3.8	7.6	Transport equipment operatives	3,377	8.9	14.7
Millwrights	89	--	3.4	Busdrivers	354	46.6	21.2
Molders, metal	42	19.0	21.4	Delivery and route workers	574	9.6	8.7
Sheet-metal workers and tinsmiths	146	3.4	8.9	Forklift and tow motor operatives	326	8.0	19.9
Tool and die makers	162	2.5	2.5	Railroad switch operators	31	--	3.2
Mechanics, automobiles	1,236	1.0	9.0	Taxicab drivers and chauffeurs	152	9.9	24.3
Automobile body repairers	197	1.5	6.6	Truckdrivers	1,841	2.1	13.5
Automobile mechanics	1,039	.9	9.4	All other transport equipment operatives	99	2.2	17.2
Mechanics, except automobiles	2,122	2.6	7.8	Nonfarm laborers	4,518	11.7	17.4
Air-conditioning, heating, and refrigeration mechanics	217	--	6.9	Animal caretakers	101	55.4	4.0
Aircraft mechanics	130	3.8	10.8	Construction laborers including carpenters' helpers	786	3.2	18.8
Data processing machine repairers	84	7.1	10.7	Freight and material handlers	696	9.8	18.0
Farm implement mechanics	56	--	7.1	Garbage collectors	73	2.7	41.1
Heavy equipment mechanics, including diesel	946	1.5	7.0	Gardeners and grounds keepers, except farm	722	5.0	17.9
Household appliance and accessory installers and mechanics	150	3.3	7.3	Timber cutting and logging workers	91	1.1	13.2
Office machine repairers	78	6.4	9.0	Stockhandlers	972	24.5	15.0
Radio and television repairers	111	5.4	8.1	Vehicle washers and equipment cleaners	183	13.7	21.3
Railroad and car shop mechanics	45	2.2	15.6	Warehouse laborers, n.e.c	278	6.8	16.9
Printing craft workers	454	28.2	7.7	All other nonfarm laborers	616	9.4	17.5
Compositors and typesetters	192	38.0	8.3	Service workers	13,736	61.9	19.7
Printing press operators	183	12.6	6.6	Private households	1,042	96.9	29.9
Bakers	157	47.8	10.2	Child care workers	469	97.4	9.8
Cabinetmakers	80	6.3	6.3	Cleaners and servants	439	95.9	48.5
Carpet installers	85	1.2	5.9	Housekeepers	110	98.2	39.1
Crane, derrick, and hoist operators	120	.8	12.5	Service workers, except private households	12,694	59.0	18.8
Decorators and window dressers	123	73.2	4.1	Cleaning workers	2,515	38.3	27.5
Electric power line and cable installers and repairers	110	.9	10.0	Lodging quarters cleaners	184	96.2	37.5
Inspectors, n.e.c	136	13.2	10.3	Building interior cleaners, n.e.c	926	57.9	29.0
Locomotive engineers	37	2.7	2.7	Janitors and sextons	1,406	17.6	25.2
Stationary engineers	193	2.1	8.3	Food service workers	4,760	65.7	14.5
Tailors	23	43.5	8.7	Bartenders	342	50.0	5.0
Telephone installers and repairers	304	10.9	9.2	Waiters' assistants	231	19.9	13.4
Telephone line installers and repairers	104	4.8	5.8	Cooks	1,396	49.9	21.0
Upholsterers	61	23.0	9.8	Dishwashers	272	27.6	18.4
All other craft workers	593	16.9	10.6	Food counter and fountain workers	463	84.9	12.1
Operatives, except transport	9,429	40.7	16.6	Waiters	1,496	88.6	7.8
Assemblers	1,087	53.8	17.7	Food service workers, n.e.c	560	74.6	23.0
Bottling and canning operatives	43	46.5	16.3	Health service workers	2,022	89.7	24.7
Checkers, examiners, and inspectors; manufacturing	729	53.9	16.3	Dental assistants	151	98.0	5.3
Clothing ironers and pressers	118	76.3	40.7	Health aides, excluding nursing	333	86.2	18.0
Cutting operatives, n.e.c	209	35.4	15.8	Nursing aides, orderlies, and attendants	1,136	87.1	31.3
Dressmakers, except factory	112	96.4	17.9	Practical nurses	400	97.0	19.3
Drillers, earth	53	--	3.8	Personal service workers	1,850	76.9	14.5
Dry wall installers and lathers	87	1.1	6.9	Attendants	335	54.6	11.9
Fileers, polishers, sanders, and buffers	113	30.1	13.3	Barbers	100	12.0	15.0
Furnace tenders, smelters, and pourers; metal	51	7.8	23.5	Child care workers	472	96.2	14.2
Garage workers and gas station attendants	320	5.3	11.6	Hairdressers and cosmetologists	573	89.5	8.9
Laundry and dry cleaning operatives, n.e.c	188	66.5	23.4	Housekeepers, excluding private households	182	69.8	23.1
Meat cutters and butchers, except manufacturing	183	6.6	9.8	Welfare service aides	90	93.3	37.8
Meat cutters and butchers, manufacturing	93	35.5	17.2	Protective service workers	1,546	10.9	15.1
Mine operatives, n.e.c	222	1.4	6.3	Firefighters	218	.5	9.2
Mixing operatives	78	5.1	21.8	Guards	685	12.7	21.3
Packers and wrappers, excluding meat and produce	582	60.8	21.0	Police and detectives	505	6.7	10.5
Painters, manufactured articles	139	15.8	14.4	Sheriffs and bailiffs	77	11.7	13.0
Photographic process workers	89	48.3	6.7	Farm workers	2,723	17.5	7.2
Precision machine operatives	275	12.4	8.0	Farmers and farm managers	1,452	11.8	2.1
Drill press operatives	41	26.8	12.2	Farmers (owners and tenants)	1,415	11.9	2.1
Grinding machine operatives	102	8.8	8.8	Farm laborers and supervisors	1,271	24.1	13.1
Lathe and milling machine operatives	83	9.6	6.0	Farm laborers, wage workers	987	15.4	16.1
Punch and stamping press operatives	96	38.5	15.6	Farm laborers, unpaid family workers	244	61.9	1.2
Sawyers	112	12.5	13.4				
Sawers and stitchers	735	95.4	21.6				

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	1982								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	88,462	1,207	15,516	71,738	7,262	401	1,505	1,636	261
16 to 19 years	6,040	296	400	5,344	97	33	276	36	66
16 to 17 years	2,256	204	121	1,931	46	17	122	19	44
18 to 19 years	3,784	93	279	3,413	51	16	153	17	22
20 to 24 years	12,873	120	1,356	11,397	356	26	310	94	31
25 to 34 years	25,563	160	4,380	21,024	1,750	70	393	328	45
35 to 44 years	18,402	146	3,890	14,366	1,833	99	220	283	41
45 to 54 years	13,856	154	3,077	10,625	1,482	87	153	309	37
55 to 64 years	9,677	192	2,077	7,409	1,188	65	109	386	29
55 to 59 years	6,016	105	1,308	4,603	682	42	67	175	19
60 to 64 years	3,661	87	769	2,806	506	23	42	171	10
65 years and over	2,051	140	337	1,574	556	19	45	239	12
Males, 16 years and over	48,529	188	7,598	40,742	4,954	52	1,208	1,433	95
16 to 19 years	2,987	82	184	2,721	59	20	223	34	57
16 to 17 years	1,113	54	55	1,004	27	10	99	18	39
18 to 19 years	1,873	27	129	1,717	32	9	124	16	19
20 to 24 years	6,608	26	575	6,007	231	8	246	86	19
25 to 34 years	14,216	21	2,083	12,111	1,167	8	316	284	19
35 to 44 years	10,264	15	1,912	8,338	1,223	2	172	238	2
45 to 54 years	7,819	11	1,598	6,210	1,027	4	122	251	1
55 to 64 years	5,510	12	1,058	4,441	866	6	86	310	2
55 to 59 years	3,435	6	662	2,768	502	4	53	155	1
60 to 64 years	2,075	6	396	1,673	364	2	33	155	1
65 years and over	1,124	21	188	915	379	5	42	220	5
Females, 16 years and over	39,934	1,019	7,918	30,996	2,309	348	296	203	166
16 to 19 years	3,054	215	216	2,623	38	14	52	2	10
16 to 17 years	1,143	149	66	927	19	7	24	1	5
18 to 19 years	1,911	65	150	1,696	19	7	29	1	5
20 to 24 years	6,264	94	781	5,390	125	18	64	9	12
25 to 34 years	11,347	138	2,296	8,913	583	62	76	44	34
35 to 44 years	8,138	131	1,979	6,028	609	97	48	46	39
45 to 54 years	6,037	143	1,479	4,415	455	83	30	48	36
55 to 64 years	4,167	180	1,019	2,968	322	60	23	35	27
55 to 59 years	2,581	99	646	1,836	180	38	14	20	18
60 to 64 years	1,586	81	373	1,133	142	21	9	16	10
65 years and over	927	118	149	659	177	15	3	19	7

25. Employed persons by industry and occupation

(In thousands)

Industry	1982											
	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	3,401	88	38	9	83	69	14	36	330	--	12	2,723
Mining	1,028	177	120	6	128	233	289	44	19	--	13	--
Construction	5,756	203	740	33	451	3,167	247	160	722	--	33	--
Manufacturing	20,286	2,624	1,675	512	2,587	3,906	7,021	682	880	--	399	--
Durable goods	11,968	1,795	981	177	1,513	2,513	3,967	308	501	--	213	--
Nondurable goods	8,318	829	694	335	1,074	1,393	3,054	374	379	--	186	--
Transportation and public utilities	6,552	679	721	89	1,463	1,373	143	1,434	452	--	199	--
Wholesale and retail trade	20,758	487	4,006	4,319	3,684	1,460	874	736	1,263	--	3,929	--
Wholesale trade	4,120	176	880	1,009	844	349	193	371	266	--	31	--
Retail trade	16,638	311	3,126	3,310	2,840	1,110	681	365	997	--	3,398	--
Finance, insurance, and real estate	6,270	418	1,232	1,378	2,750	129	7	10	89	--	256	--
Services	30,259	11,255	2,294	230	5,473	1,643	779	220	614	1,042	6,709	--
Private households	1,271	11	--	--	13	6	4	6	148	--	41	--
Other service industries	28,988	11,244	2,294	230	5,460	1,637	775	214	466	--	6,668	--
Public administration	5,218	1,021	668	4	1,827	292	57	54	148	--	1,145	--

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

(In thousands)

Industry and sex	1982					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
TOTAL						
Both sexes, 16 years and over:						
Mining	1,028	991	2	989	34	2
Construction	5,756	4,596	462	4,134	1,117	42
Manufacturing	20,286	19,909	153	19,756	353	23
Durable goods	11,968	11,741	117	11,625	213	14
Nondurable goods	8,318	8,168	36	8,132	140	9
Transportation and public utilities	6,552	6,234	826	5,408	304	13
Wholesale and retail trade	20,758	18,703	107	18,596	1,870	105
Wholesale trade	4,120	3,821	2	3,819	280	19
Retail trade	16,638	14,882	105	14,777	1,590	166
Finance, insurance, and real estate	6,270	5,762	132	5,631	490	17
Services	30,259	27,048	8,617	18,431	3,093	117
Private households	1,271	1,207	--	1,207	61	2
Other service industries	28,988	25,841	8,617	17,224	3,032	115
Business repair	4,452	3,493	39	3,454	906	53
Personal	2,722	1,908	15	1,893	791	23
Entertainment and recreation	1,138	975	92	884	158	5
Professional	20,507	19,342	8,393	10,949	1,131	34
Medical, except hospital	3,518	3,167	497	2,670	333	18
Hospitals	4,341	4,339	1,151	3,188	2	--
Welfare and religion	1,594	1,556	530	1,027	36	1
Education	8,089	7,909	6,117	1,792	178	2
Other	2,965	2,371	98	2,272	582	12
Forestry and fisheries	169	123	79	45	45	1
Public administration	5,218	5,218	5,218	--	--	--
Males						
Mining	864	833	2	831	31	--
Construction	5,268	4,183	424	3,759	1,080	5
Manufacturing	13,723	13,448	119	13,328	273	2
Durable goods	8,821	8,641	96	8,544	179	2
Nondurable goods	4,902	4,807	23	4,784	94	1
Transportation and public utilities	4,827	4,549	611	3,938	276	2
Wholesale and retail trade	10,988	9,844	48	9,795	1,117	27
Wholesale trade	2,992	2,755	1	2,753	235	3
Retail trade	7,996	7,089	47	7,042	882	25
Finance, insurance, and real estate	2,681	2,328	76	2,251	352	1
Services	11,900	10,062	3,034	7,028	1,824	14
Private households	192	188	--	188	3	1
Other service industries	11,708	9,874	3,034	6,840	1,821	13
Business repair	2,999	2,279	24	2,255	714	6
Personal	922	688	7	682	230	3
Entertainment and recreation	672	561	55	506	110	1
Professional	6,975	6,247	2,891	3,357	725	2
Medical, except hospital	853	595	143	452	258	1
Hospitals	1,031	1,029	351	678	2	--
Welfare and religion	647	625	140	484	21	1
Education	2,809	2,781	2,190	592	27	--
Other	1,635	1,217	66	1,151	417	1
Forestry and fisheries	140	98	58	40	42	--
Public administration	3,284	3,284	3,284	--	--	--
Females						
Mining	164	159	1	158	3	2
Construction	488	414	38	376	37	37
Manufacturing	6,562	6,462	34	6,428	80	21
Durable goods	3,147	3,101	21	3,080	34	12
Nondurable goods	3,416	3,361	13	3,348	46	9
Transportation and public utilities	1,724	1,685	215	1,470	28	11
Wholesale and retail trade	9,770	8,859	59	8,800	753	158
Wholesale trade	1,128	1,066	1	1,066	45	16
Retail trade	8,642	7,792	58	7,735	708	141
Finance, insurance, and real estate	3,589	3,435	55	3,379	138	16
Services	18,359	16,586	5,583	11,403	1,269	103
Private households	1,079	1,019	--	1,019	58	1
Other service industries	17,280	15,567	5,583	10,384	1,211	102
Business repair	1,452	1,214	15	1,199	192	46
Personal	1,800	1,219	8	1,211	561	20
Entertainment and recreation	466	414	37	377	48	3
Professional	13,532	13,095	5,502	7,592	406	31
Medical, except hospital	2,665	2,572	354	2,218	75	18
Hospitals	3,310	3,309	800	2,509	1	--
Welfare and religion	947	932	389	542	15	1
Education	5,280	5,127	3,927	1,200	151	1
Other	1,330	1,154	32	1,122	165	12
Forestry and fisheries	29	25	20	5	3	--
Public administration	1,935	1,935	1,935	--	--	--

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27. Employed persons by industry, sex, and occupation

(Percent distribution)

Industry and sex	1982												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service 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	
TOTAL													
Agriculture	3,401	100.0	2.6	1.1	.3	2.4	2.0	.4	1.1	9.7	--	.4	80.1
Mining	1,028	100.0	17.2	11.7	.6	12.5	22.7	28.1	4.3	1.8	--	1.3	--
Construction	5,756	100.0	3.5	12.9	.6	7.8	55.0	4.3	2.8	12.5	--	.6	--
Manufacturing	20,286	100.0	12.9	8.3	2.5	12.8	19.3	34.6	3.4	4.3	--	2.0	--
Durable goods	11,968	100.0	15.0	8.2	1.5	12.6	21.0	33.1	2.6	4.2	--	1.8	--
Nondurable goods	8,318	100.0	10.0	8.3	4.0	12.9	16.7	36.7	4.5	4.6	--	2.2	--
Transportation and public utilities	6,552	100.0	10.4	11.0	1.4	22.3	21.0	2.2	21.9	6.9	--	3.0	--
Wholesale and retail trade	20,758	100.0	2.3	19.3	20.8	17.7	7.0	4.2	3.5	6.1	--	18.9	--
Wholesale trade	4,120	100.0	4.3	21.4	24.5	20.5	8.5	4.7	9.0	6.5	--	.8	--
Retail trade	16,638	100.0	1.9	18.8	19.9	17.1	6.7	4.1	2.2	6.0	--	23.4	--
Finance, insurance, and real estate	6,270	100.0	6.7	19.6	22.0	43.9	2.1	.1	.2	1.4	--	4.1	--
Services	30,259	100.0	37.2	7.6	.8	18.1	5.4	2.6	.7	2.0	3.4	22.2	--
Private households	1,271	100.0	.9	--	--	1.0	.5	.3	.5	11.6	82.0	3.2	--
Other service industries	28,988	100.0	38.8	7.9	.8	18.8	5.6	2.7	.7	1.6	--	23.0	--
Public administration	5,218	100.0	19.6	12.8	.1	35.0	5.6	1.1	1.0	2.8	--	21.9	--
Males													
Agriculture	2,736	100.0	2.4	1.1	.2	.2	2.4	.4	1.2	9.8	--	.2	82.1
Mining	864	100.0	16.3	12.0	.7	2.8	26.7	32.9	5.1	2.2	--	1.3	--
Construction	5,268	100.0	3.3	13.3	.5	2.2	59.3	4.6	3.0	13.4	--	.5	--
Manufacturing	13,723	100.0	15.3	10.4	2.8	5.5	25.6	27.9	4.7	5.4	--	2.4	--
Durable goods	8,821	100.0	17.3	9.7	1.7	5.5	26.5	29.0	3.4	4.9	--	2.0	--
Nondurable goods	4,902	100.0	11.7	11.6	4.7	5.5	24.1	25.9	7.1	6.2	--	3.0	--
Transportation and public utilities	4,827	100.0	11.3	11.6	1.1	8.9	27.2	2.7	25.8	9.0	--	2.4	--
Wholesale and retail trade	10,988	100.0	2.8	25.6	19.1	5.4	11.4	5.7	6.3	9.7	--	14.0	--
Wholesale trade	2,992	100.0	4.3	25.0	29.0	6.2	10.8	4.0	11.9	7.9	--	.8	--
Retail trade	7,996	100.0	2.3	25.8	15.4	5.1	11.6	6.3	4.2	10.3	--	19.0	--
Finance, insurance, and real estate	2,681	100.0	8.4	28.1	33.6	14.7	4.4	.2	.3	3.2	--	7.0	--
Services	11,900	100.0	42.4	11.9	1.1	5.0	12.7	3.6	1.7	4.6	.3	16.9	--
Private households	192	100.0	1.0	--	--	1.0	3.1	1.0	2.6	73.1	17.1	1.0	--
Other service industries	11,708	100.0	43.1	12.1	1.1	5.0	12.8	3.6	1.6	3.4	--	17.2	--
Public administration	3,284	100.0	21.0	14.4	.1	19.5	8.5	1.3	1.6	4.0	--	29.7	--
Females													
Agriculture	665	100.0	3.5	1.1	.6	11.7	.3	.6	.3	9.3	--	.9	71.7
Mining	164	100.0	22.1	9.2	--	63.8	1.2	2.5	--	--	--	1.2	--
Construction	488	100.0	5.9	8.2	1.6	68.4	9.2	1.0	.4	3.7	--	1.4	--
Manufacturing	6,562	100.0	7.9	3.8	2.0	27.9	5.9	48.7	.5	2.2	--	1.1	--
Durable goods	3,147	100.0	8.5	4.0	.9	32.7	5.5	44.8	.3	2.2	--	1.2	--
Nondurable goods	3,416	100.0	7.4	3.6	3.0	23.5	6.2	52.2	.7	2.2	--	1.1	--
Transportation and public utilities	1,724	100.0	7.8	9.4	2.2	59.8	3.4	.6	11.1	.9	--	4.9	--
Wholesale and retail trade	9,770	100.0	1.8	12.2	22.7	31.6	2.2	2.6	.5	2.0	--	24.4	--
Wholesale trade	1,128	100.0	4.2	11.6	12.4	58.3	2.3	6.6	1.2	2.7	--	.7	--
Retail trade	8,642	100.0	1.5	12.3	24.1	28.1	2.2	2.0	.4	2.0	--	27.5	--
Finance, insurance, and real estate	3,589	100.0	5.3	13.3	13.3	65.7	.3	--	--	.1	--	1.9	--
Services	18,359	100.0	33.8	4.8	.6	26.6	.7	1.9	.1	.4	5.5	25.6	--
Private households	1,079	100.0	.8	--	--	1.0	.9	.2	.1	.6	93.6	3.6	--
Other service industries	17,280	100.0	35.9	5.1	.6	28.2	.8	2.0	.1	.4	--	26.9	--
Public administration	1,934	100.0	17.2	10.1	.1	61.4	.7	.7	.2	.8	--	8.8	--

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28. Employed persons by industry, race, and occupation

(Percent distribution)

Industry and race	1982												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service 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	
WHITE													
Agriculture	3,142	100.0	2.7	1.2	.3	2.6	2.0	.3	1.0	9.1	--	.4	80.4
Mining	979	100.0	17.2	12.2	.6	12.1	23.0	27.8	4.4	1.7	--	1.1	--
Construction	5,292	100.0	3.5	13.5	.6	8.1	55.7	4.3	2.5	11.2	--	.5	--
Manufacturing	17,917	100.0	13.6	9.0	2.7	13.2	20.0	32.4	3.3	4.1	--	1.8	--
Durable goods	10,689	100.0	15.6	8.9	1.6	13.0	21.5	31.3	2.4	4.0	--	1.6	--
Nondurable goods	7,228	100.0	10.6	9.2	4.4	13.4	17.7	33.9	4.5	4.3	--	2.0	--
Transportation and public utilities	5,702	100.0	10.9	12.1	1.5	21.9	21.6	2.1	21.5	5.9	--	2.8	--
Wholesale and retail trade	18,855	100.0	2.4	20.0	21.6	17.7	7.2	4.0	3.4	5.7	--	18.2	--
Wholesale trade	3,815	100.0	4.2	22.0	25.7	20.6	8.4	4.0	8.4	5.8	--	.7	--
Retail trade	15,040	100.0	1.9	19.4	20.5	16.9	6.9	4.0	2.1	5.7	--	22.6	--
Finance, insurance, and real estate	5,629	100.0	6.5	20.8	23.2	42.7	2.0	.1	.1	1.3	--	3.4	--
Services	26,006	100.0	38.8	8.1	.9	18.6	5.7	2.4	.7	1.9	2.8	20.0	--
Private households	910	100.0	.9	--	--	1.3	.7	.3	.7	12.9	80.1	3.2	--
Other service industries	25,096	100.0	40.2	8.4	.9	19.2	5.9	2.5	.7	1.6	--	20.6	--
Public administration	4,381	100.0	20.6	13.9	.1	33.3	5.5	.9	.8	2.5	--	22.3	--
BLACK AND OTHER													
Agriculture	259	100.0	1.5	--	--	.4	2.3	1.2	1.2	17.4	--	--	76.1
Mining	49	100.0	18.4	2.0	--	20.4	16.3	32.7	4.1	4.1	--	2.0	--
Construction	464	100.0	3.9	5.2	.2	4.7	47.2	3.7	5.6	27.6	--	1.9	--
Manufacturing	2,368	100.0	8.1	2.4	1.0	9.5	13.8	51.6	4.0	6.1	--	3.5	--
Durable goods	1,279	100.0	10.0	2.3	.3	9.3	16.7	48.6	3.8	5.9	--	3.2	--
Nondurable goods	1,090	100.0	6.0	2.4	1.9	9.7	10.5	55.1	4.2	6.4	--	3.8	--
Transportation and public utilities	850	100.0	6.9	3.9	.7	25.6	16.8	2.7	24.5	13.9	--	4.9	--
Wholesale and retail trade	1,902	100.0	1.9	12.8	13.2	18.5	5.5	6.4	5.4	9.8	--	26.4	--
Wholesale trade	305	100.0	4.3	12.5	9.2	19.0	10.2	13.1	16.1	14.4	--	1.3	--
Retail trade	1,597	100.0	1.5	12.8	14.0	18.4	4.6	5.1	3.3	9.0	--	31.2	--
Finance, insurance, and real estate	641	100.0	8.0	9.7	11.1	54.0	3.0	.5	.5	3.0	--	10.4	--
Services	4,253	100.0	27.1	4.3	.2	14.9	3.7	3.4	.9	2.5	7.3	35.7	--
Private households	361	100.0	.8	--	--	.3	.3	.3	--	8.6	86.4	3.3	--
Other service industries	3,892	100.0	29.5	4.7	.2	16.3	4.0	3.7	1.0	2.0	--	38.7	--
Public administration	837	100.0	14.5	6.9	.1	43.8	6.0	1.9	2.4	4.5	--	19.8	--

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29. Employed persons in nonagricultural industries by sex, age, and race

(Percent distribution)

Sex, age, and race	1982									
	Mining	Construc- tion	Manufacturing			Trans- portation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service industries ¹	Public adminis- tration
			Total	Durable goods	Non- durable goods					
TOTAL										
Total, 16 years and over (in thousands)	1,028	5,756	20,286	11,968	8,318	6,552	20,758	6,270	28,988	5,218
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	1.9	4.6	2.9	2.3	3.7	2.1	15.1	3.6	4.8	2.1
20 years and over	98.1	95.4	97.1	97.7	96.3	97.9	84.9	96.4	95.2	97.9
20 to 24 years	16.4	14.7	12.7	12.2	13.3	10.4	18.3	15.8	12.6	7.7
25 years and over	81.6	80.7	84.5	85.5	83.0	87.4	66.5	80.7	82.6	90.2
25 to 54 years	69.9	68.3	70.2	71.3	68.6	74.9	53.6	65.8	68.0	74.3
55 years and over	11.8	12.4	14.3	14.2	14.4	12.5	12.9	14.9	14.6	15.9
Males, 16 years and over	84.0	91.5	67.6	73.7	58.9	73.7	52.9	42.8	40.4	62.9
16 to 19 years	1.7	4.2	1.8	1.6	2.1	1.4	7.4	1.1	2.1	.9
20 years and over	82.3	87.3	65.8	72.0	56.8	72.3	45.5	41.7	38.3	62.0
20 to 24 years	12.5	13.6	8.2	8.6	7.6	7.1	9.3	4.2	4.8	3.7
25 years and over	69.7	73.7	57.6	63.4	49.1	65.2	36.2	37.5	33.6	58.3
25 to 54 years	59.3	62.4	47.7	52.5	40.6	54.9	29.2	29.0	27.0	48.3
55 years and over	10.4	11.3	9.9	10.9	8.5	10.3	7.0	8.5	6.6	10.0
Females, 16 years and over	16.0	8.5	32.3	26.3	41.1	26.3	47.1	57.2	59.6	37.1
16 to 19 years .....	.2	.3	1.0	.7	1.6	.7	7.7	2.5	2.7	1.2
20 years and over	15.8	8.1	31.3	25.6	39.5	25.6	39.4	54.7	56.9	35.9
20 to 24 years	3.8	1.1	4.5	3.6	5.7	3.3	9.0	11.6	7.9	4.0
25 years and over	12.0	7.0	26.8	22.1	33.8	22.4	30.4	43.1	49.0	31.9
25 to 54 years	10.6	5.9	22.5	18.8	28.0	20.1	24.5	36.7	41.0	26.0
55 years and over	1.4	1.1	4.3	3.3	5.8	2.3	5.9	6.4	8.0	5.9
White										
Males, 16 years and over	80.3	84.0	60.5	66.3	52.1	64.5	47.8	38.9	35.5	54.1
16 to 19 years	1.7	4.0	1.7	1.5	1.9	1.2	6.8	.9	1.8	.7
20 years and over	78.6	80.0	58.8	64.8	50.2	63.2	41.0	37.9	33.7	53.4
20 to 24 years	12.0	12.7	7.3	7.8	6.7	6.1	8.3	3.5	4.1	3.0
25 years and over	66.7	67.4	51.5	57.0	43.5	57.2	32.6	34.4	29.6	50.4
25 to 54 years	56.6	57.1	42.4	47.0	35.7	47.8	26.2	26.4	23.7	41.3
55 years and over	10.1	10.3	9.1	10.0	7.8	9.4	6.4	8.0	5.9	9.1
Females, 16 years and over	15.0	7.9	27.8	23.0	34.8	22.6	43.1	50.9	51.1	29.8
16 to 19 years .....	.7	.3	1.0	.6	1.5	.6	7.1	2.3	2.5	.8
20 years and over	14.7	7.6	26.9	22.4	33.3	22.0	35.9	48.6	48.6	29.0
20 to 24 years	3.5	1.0	3.9	3.2	5.0	2.9	8.2	15.1	6.9	3.0
25 years and over	11.2	6.5	23.0	19.2	28.3	19.1	27.7	38.5	41.8	26.0
25 to 54 years	9.8	5.5	19.0	16.1	23.0	17.0	22.2	32.4	34.8	20.7
55 years and over	1.4	1.0	4.0	3.1	5.3	2.1	5.5	6.1	7.0	5.3
Black and other										
Males, 16 years and over	3.7	7.5	7.1	7.4	6.8	9.2	5.2	3.9	4.9	8.8
16 to 19 years	—	.2	.1	.1	.2	.2	.7	.1	.3	.2
20 years and over	3.7	7.3	7.0	7.3	6.6	9.0	4.5	3.8	4.7	8.6
20 to 24 years .....	.6	.9	.9	.8	1.0	1.1	1.0	.7	.7	.7
25 years and over	3.0	6.4	6.1	6.5	5.7	8.0	3.5	3.0	4.0	7.9
25 to 54 years	2.7	5.4	5.3	5.6	4.9	7.1	2.9	2.6	3.3	7.0
55 years and over .....	.3	1.0	.8	.9	.8	.9	.6	.4	.7	.9
Females, 16 years and over	1.1	.5	4.5	3.3	6.3	3.8	4.0	6.3	8.5	7.2
16 to 19 years	—	—	.1	.1	.1	.1	.5	.2	.3	.3
20 years and over	1.1	.5	4.5	3.3	6.2	3.6	3.5	6.1	8.2	6.9
20 to 24 years .....	.3	.1	.6	.4	.7	.4	.8	1.5	1.0	1.0
25 years and over .....	.8	.4	3.9	2.8	5.4	3.3	2.6	4.7	7.2	5.9
25 to 54 years8	.3	3.6	2.6	4.9	3.1	2.3	4.4	6.2	5.3
55 years and over	—	.1	.3	.2	.5	.2	.3	.3	1.0	.6

¹ Excludes private households.

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

(Numbers in thousands)

Industry	1982			Industry	1982		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	99,526	43.5	11.7				
Agriculture, forestry, and fisheries	3,571	19.4	7.7	Nondurable goods industries—Continued			
Agricultural production	2,761	18.5	6.9	Tobacco manufactures	74	33.8	32.4
Agricultural services, except horticultural	300	40.0	7.7	Textile mill products	688	50.7	19.3
Horticultural services	340	10.3	13.2	Knitting mills	165	73.9	13.3
Forestry	99	24.2	8.1	Yarn, thread, and fabric mills	383	46.5	21.7
Fisheries	70	7.1	11.4	Miscellaneous textile mill products	57	38.6	28.1
Mining	1,028	16.0	4.8	Apparel and other fabricated textile products	1,150	78.5	18.6
Metal mining	97	10.3	3.1	Apparel and accessories	1,008	81.3	18.5
Coal mining	190	6.3	2.1	Miscellaneous fabricated textile products	142	59.2	19.7
Crude petroleum and natural gas extraction	649	20.0	5.2	Paper and allied products	689	22.5	11.6
Nonmetallic mining and quarrying, except fuel	93	12.9	8.6	Pulp, paper, and paperboard mills	296	13.9	9.5
Construction	5,756	8.5	8.1	Miscellaneous paper and pulp products	207	34.3	13.0
General building contractors	1,401	7.3	7.6	Paperboard containers and boxes	186	23.1	13.4
General contractors, except building	1,001	8.7	9.7	Printing, publishing, and allied industries	1,621	42.3	7.4
Special trade contractors	2,878	8.5	7.4	Newspaper publishing and printing	525	42.5	7.2
Not specified construction	475	11.2	9.7	Printing, publishing, and allied industries, except newspapers	1,096	42.2	7.5
Manufacturing	20,286	32.3	11.7	Chemicals and allied products	1,213	27.8	12.8
Durable goods	11,968	26.3	10.7	Industrial chemicals	452	19.5	12.4
Lumber and wood products, except furniture	627	14.2	14.7	Plastics, synthetics and resins, except fibers	79	16.5	10.1
Logging	165	3.6	14.5	Synthetic fibers	68	33.8	22.1
Sawmills, planing mills, and mill work	327	15.9	15.0	Drugs and medicines	215	40.0	11.2
Miscellaneous wood products	135	23.0	14.1	Soaps and cosmetics	161	49.7	14.3
Furniture and fixtures	461	30.4	8.2	Paints, varnishes, and related products	69	21.7	13.0
Stone, clay, and glass products	539	21.2	11.3	Agricultural chemicals	59	10.2	18.6
Glass and glass products	161	32.3	12.4	Miscellaneous chemicals	109	23.9	9.2
Cement, concrete, gypsum, and plaster products	185	8.1	12.4	Petroleum and coal products	229	20.1	12.2
Miscellaneous nonmetallic mineral and stone products	133	24.1	9.0	Petroleum refining	199	20.6	12.1
Primary metal industries	925	11.6	12.8	Rubber and miscellaneous plastic products	643	36.1	11.4
Blast furnaces, steelworks, rolling and finishing mills	348	6.9	12.4	Rubber products	246	28.5	10.6
Other primary iron and steel industries	247	12.6	16.2	Miscellaneous plastic products	397	41.1	11.8
Primary aluminum industries	147	11.6	10.2	Leather and leather products	251	63.7	10.4
Other primary nonferrous industries	183	19.7	10.9	Footwear, except rubber	170	65.9	8.2
Fabricated metal products	1,264	23.1	8.5	Leather products, except footwear	62	67.7	11.3
Cutlery, hand tools and other hardware	162	37.7	7.4	Transportation, communications, and other public utilities	6,552	26.3	13.0
Fabricated structural metal products	452	14.0	7.1	Transportation	3,590	21.8	13.0
Screw machine products	74	32.4	8.1	Railroads and railway express service	469	8.5	10.9
Metal stamping	116	28.4	12.1	Street railways and bus lines	577	38.3	22.0
Miscellaneous fabricated metal products	458	24.0	9.4	Taxicab service	94	10.6	30.9
Machinery, except electrical	2,558	22.4	8.1	Trucking service	1,360	11.3	8.9
Engines and turbines	101	16.8	5.9	Warehousing and storage	145	22.1	11.7
Farm machinery and equipment	126	18.3	8.7	Water transportation	212	14.2	17.0
Construction and material handling machines	323	14.6	9.3	Air transportation	502	32.7	12.7
Metalworking machinery	320	18.4	4.7	Services incidental to transportation	211	61.1	10.0
Office and accounting machines	137	34.3	16.1	Communications	1,533	44.7	12.3
Electronic computing equipment	532	34.2	11.7	Radio broadcasting and television	243	35.4	10.7
Machinery, except electrical, n.e.c.	1,018	19.6	6.1	Telephone (wire and radio)	1,134	48.4	13.3
Electrical machinery, equipment, and supplies	2,295	41.5	11.6	Telegraph and miscellaneous communications services	157	32.5	8.3
Household appliances	147	41.5	11.6	Utilities and sanitary services	1,428	17.9	13.7
Radio, T.V., and communication equipment	596	39.4	12.4	Electric light and power	630	17.8	11.3
Electrical machinery, equipment, and supplies, n.e.c.	1,540	42.4	11.2	Electric-gas utilities	165	20.0	12.1
Transportation equipment	1,931	17.1	13.5	Gas and steam supply systems	192	21.4	8.9
Motor vehicles and motor vehicle equipment	853	15.2	14.8	Water supply	175	21.7	12.6
Aircraft and parts	654	22.3	9.9	Sanitary services	241	10.0	26.1
Ship and boat building and repairing	311	10.6	19.0	Wholesale and retail trade	20,758	47.1	9.2
Mobile dwellings and campers	55	18.2	9.1	Wholesale trade	4,120	27.4	7.4
Professional and photographic equipment, and watches	600	41.3	9.8	Motor vehicles and equipment	268	24.3	5.6
Scientific and controlling instruments	175	38.9	8.0	Drugs, chemicals, and allied products	203	31.5	6.4
Optical and health services supplies	249	49.0	10.4	Dry goods and apparel	109	43.1	11.0
Photographic equipment and supplies	155	30.3	10.3	Food and related products	621	24.6	11.1
Ordnance	281	26.3	7.5	Farm products—raw materials	131	22.9	6.1
Miscellaneous manufacturing industries	487	46.0	9.9	Electrical goods	274	31.4	5.5
Nondurable goods industries	8,318	41.1	13.1	Hardware, plumbing, and heating supplies	160	23.1	2.5
Food and kindred products	1,733	29.6	13.4	Machinery equipment and supplies	995	27.1	4.6
Meat products	358	32.7	14.5	Metals and minerals, n.e.c.	114	23.7	7.0
Dairy products	169	21.3	5.9	Petroleum products	187	25.7	5.9
Canning and preserving fruits, vegetables, and seafood	260	45.8	15.8	Scrap and waste materials	138	13.8	16.7
Grain-mill products	146	24.7	13.0	Alcoholic beverages	132	15.9	12.9
Bakery products	282	25.9	11.3	Paper and its products	107	30.8	6.5
Confectionery and related products	78	44.9	19.2	Lumber and construction materials	140	20.7	6.4
Beverage industries	249	18.9	12.0	Wholesalers, n.e.c.	531	36.7	9.2
Miscellaneous food preparation and kindred products	190	26.3	17.4	Retail trade	16,638	51.9	9.6
				Lumber and building material retailing	434	25.1	7.6
				Hardware and farm equipment stores	273	27.5	2.2
				Department and mail order establishments	2,052	69.1	11.4

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

(Numbers in thousands)

Industry	1982			Industry	1982		
	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	147	73.5	12.9	Automobile services, except repair	230	24.3	12.2
Vending machine operators	79	38.0	5.1	Automobile repair and related services	808	8.0	8.2
Direct selling establishments	378	78.0	6.9	Electrical repair shops	152	15.8	8.6
Miscellaneous general merchandise stores	215	71.6	13.5	Miscellaneous repair services	465	15.9	7.3
Grocery stores	2,314	46.8	9.3	Personal services	3,993	72.1	19.4
Dairy products stores	50	58.0	4.0	Private households	1,271	84.9	28.4
Retail bakeries	152	61.8	6.6	Hotels and motels	848	59.1	21.6
Food stores, n.e.c.	183	47.5	12.0	Lodging places, except hotels and motels	422	79.4	8.8
Motor vehicle dealers	816	16.2	6.0	Laundry, cleaning, and other garment services	399	59.9	22.1
Tire, battery, and accessory dealers	342	17.8	6.1	Beauty shops	581	89.0	9.5
Gasoline service stations	520	15.6	6.7	Barber shops	102	12.7	14.7
Miscellaneous vehicle dealers	102	23.5	2.0	Dressmaking shops	47	93.6	14.9
Apparel and accessory stores, except shoe stores	708	77.4	8.6	Miscellaneous personal services	296	49.3	7.1
Shoe stores	156	48.7	7.7	Entertainment and recreation services	1,138	40.9	9.1
Furniture and home furnishings stores	465	34.8	7.5	Theaters and motion pictures	369	36.9	8.4
Household appliances, T.V., and radio stores	290	28.6	5.2	Bowling alleys, billiard and pool parlors	78	43.6	3.8
Eating and drinking places	4,724	59.4	12.6	Miscellaneous entertainment and recreation services	692	42.8	10.0
Drug stores	481	60.5	8.3	Professional and related services	20,507	66.0	14.1
Liquor stores	157	29.9	15.3	Offices of physicians	898	68.7	6.2
Farm and garden supply stores	147	27.2	5.4	Offices of dentists	415	71.8	3.6
Jewelry stores	154	58.4	12.3	Hospitals	4,341	76.2	19.9
Fuel and ice dealers	102	17.6	3.9	Convalescent institutions	1,217	87.1	20.4
Retail florists	151	74.8	6.6	Offices of health practitioners, n.e.c.	84	59.5	2.4
Miscellaneous retail stores	1,026	56.8	6.5	Health services, n.e.c.	855	71.9	18.9
Finance, insurance, and real estate	6,270	57.2	10.2	Legal services	848	49.6	4.6
Banking	1,756	70.5	12.5	Elementary and secondary schools	5,457	70.7	13.4
Credit agencies	598	66.4	7.7	Colleges and universities	2,199	50.8	13.0
Security, commodity brokerage, and investment companies	432	36.1	9.5	Libraries	130	81.5	14.6
Insurance	1,972	55.9	9.5	Educational services, n.e.c.	298	65.1	10.7
Real estate, including real estate-insurance-law offices	1,513	45.9	9.8	Museums, art galleries, and zoos	67	56.7	10.4
Service industries	30,090	60.9	14.1	Religious organizations	675	42.5	7.4
Business and repair services	4,452	32.6	10.6	Welfare services	796	71.7	23.5
Advertising	217	45.6	6.0	Residential welfare facilities	122	73.0	23.0
Services to dwellings and other buildings	410	41.0	22.9	Nonprofit membership organizations	487	57.5	10.7
Commercial research, development, and testing labs	189	27.5	8.5	Engineering and architectural services	610	21.5	9.0
Employment and temporary help agencies	241	67.2	14.9	Accounting, auditing, and bookkeeping services	533	50.3	5.3
Business management and consulting services	391	56.0	6.6	Miscellaneous professional and related services	420	45.5	7.6
Computer programming services	290	38.3	8.6	Public administration	5,218	37.1	16.0
Detective and protective services	278	15.8	21.6	Postal service	713	26.8	22.6
Business services, n.e.c.	780	48.3	7.8	Federal public administration	1,602	41.3	19.7
				State public administration	981	43.2	11.1
				Local public administration	1,923	34.2	13.1

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

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 ¹			
					Paid absences ²		Unpaid absences ²	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	5,790	5,712	5,653	5,573	2,934	2,870	2,141	2,071
Vacation	3,247	3,153	3,203	3,117	2,137	2,088	858	807
Illness	1,413	1,331	1,380	1,301	582	565	675	620
Bad weather	112	202	89	162	--	--	--	--
Industrial dispute	64	36	64	36	--	--	--	--
All other reasons	953	988	917	957	216	217	607	643
Males, 16 years and over	2,958	2,895	2,845	2,778	1,625	1,575	870	825
Vacation	1,595	1,555	1,560	1,526	1,182	1,162	259	247
Illness	773	703	746	678	336	317	338	289
All other reasons ³	589	637	539	574	107	96	272	290
Females, 16 years and over	2,832	2,817	2,808	2,796	1,309	1,294	1,272	1,245
Vacation	1,652	1,598	1,643	1,591	955	926	599	560
Illness	640	628	634	623	245	247	338	331
All other reasons ³	540	590	532	581	109	121	335	354

¹ Excludes private household workers.

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

³ 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	1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	93,815	90,552	3,263	100.0	100.0	100.0
1-34 hours	25,439	24,418	1,021	27.1	27.0	31.3
1-4 hours	878	824	54	.9	.9	1.7
5-14 hours	4,580	4,322	258	4.9	4.8	7.9
15-29 hours	12,113	11,623	490	12.9	12.8	15.0
30-34 hours	7,868	7,649	219	8.4	8.4	6.7
35 hours and over	68,375	66,133	2,242	72.9	73.0	68.7
35-39 hours	6,849	6,697	152	7.3	7.4	4.7
40 hours	39,319	38,775	544	41.9	42.8	16.7
41 hours and over	22,207	20,661	1,546	23.7	22.8	47.4
41 to 48 hours	8,347	8,109	238	8.9	9.0	7.3
49 to 59 hours	7,771	7,347	424	8.3	8.1	13.0
60 hours and over	6,089	5,205	884	6.5	5.7	27.1
Average hours, total at work	38.0	37.7	44.0	--	--	--
Average hours, workers on full-time schedules	42.6	42.3	52.6	--	--	--

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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	1982					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	25,439	8,619	16,820	24,418	8,280	15,138
Economic reasons	6,170	2,303	3,867	5,852	2,169	3,683
Slack work	3,264	1,997	1,267	3,050	1,872	1,178
Material shortages or repairs to plant and equipment	53	53	--	52	52	--
New job started during week	168	168	--	164	164	--
Job terminated during week	85	85	--	81	81	--
Could find only part-time work	2,600	--	2,600	2,504	--	2,504
Other reasons	19,270	6,317	12,953	18,567	6,112	12,455
Does not want, or unavailable for, full-time work	10,746	--	10,746	10,376	--	10,376
Vacation	1,203	1,203	--	1,188	1,188	--
Illness	1,647	1,463	164	1,604	1,461	143
Bad weather	1,060	1,060	--	944	944	--
Industrial dispute	15	15	--	15	15	--
Legal or religious holiday	1,202	1,202	--	1,199	1,199	--
Full time for this job	1,493	--	1,493	1,440	--	1,440
All other reasons	1,903	1,354	549	1,800	1,305	495
Average hours:						
Economic reasons	21.9	24.8	20.1	22.0	25.0	20.2
Other reasons	21.3	26.8	18.7	21.5	26.9	18.9
Worked 30 to 34 hours:						
Economic reasons	1,955	1,087	868	1,880	1,040	840
Other reasons	5,913	3,637	2,276	5,769	3,571	2,198

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

[Numbers in thousands]

Industry	1982								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			
Total, 16 years and over¹	90,552	5,852	12,455	72,245	51,584	8,109	12,552	37.7	42.3	
Wage and salary workers	83,469	5,166	11,123	67,180	49,212	7,574	10,394	37.6	41.9	
Construction	4,368	413	185	3,770	2,856	371	543	38.4	41.2	
Manufacturing	18,819	1,003	586	17,230	13,008	2,162	2,060	39.5	41.4	
Durable goods	11,105	470	231	10,404	7,954	1,257	1,193	40.3	41.3	
Nondurable goods	7,714	534	355	6,825	5,052	905	868	39.3	41.5	
Transportation and public utilities	5,811	236	345	5,230	3,755	573	902	40.4	42.6	
Wholesale and retail trade	17,888	1,662	4,138	12,088	7,934	1,700	2,454	35.6	43.9	
Finance, insurance, and real estate	5,507	142	495	4,870	3,778	458	634	38.5	40.9	
Service industries	25,185	1,572	5,077	18,536	13,755	1,763	3,018	35.7	41.3	
Private households	1,154	247	555	352	233	39	80	22.9	44.7	
All other industries	24,031	1,325	4,522	18,184	13,522	1,724	2,938	36.3	41.7	
Public administration	4,963	98	281	4,584	3,614	430	540	39.3	41.0	
Self-employed workers	6,682	663	1,170	4,849	2,239	514	2,096	39.8	48.1	
Unpaid family workers	401	21	162	218	133	21	64	34.7	45.3	

¹ Includes mining, not shown separately.

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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	1982							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	90,552	5,852	12,455	72,245	51,584	20,661	37.7	42.3
16 to 21 years	10,582	1,364	3,948	5,270	4,202	1,068	29.1	40.5
16 to 19 years	5,937	847	2,973	2,117	1,721	396	25.2	40.0
16 to 17 years	2,222	256	1,663	303	250	53	18.4	38.9
18 to 19 years	3,715	590	1,310	1,815	1,471	344	29.2	40.2
20 years and over	84,615	5,005	9,482	70,128	49,862	20,266	38.6	42.4
20 to 24 years	12,719	1,158	1,887	9,674	7,351	2,323	16.3	41.3
25 years and over	71,897	3,846	7,595	60,456	42,513	17,943	39.0	42.6
25 to 44 years	45,081	2,465	4,018	38,598	26,744	11,854	39.6	42.7
45 to 64 years	24,426	1,260	2,431	20,735	14,967	5,768	39.1	42.3
65 years and over	2,389	121	1,146	1,122	801	321	29.1	42.5
Males, 16 years and over	50,757	2,779	3,655	44,323	28,763	15,560	40.6	43.6
16 to 21 years	5,312	666	1,786	2,860	2,134	726	30.6	41.4
16 to 19 years	2,953	411	1,385	1,157	894	263	26.4	40.7
16 to 17 years	1,105	133	792	180	148	32	19.4	39.2
18 to 19 years	1,849	278	593	978	748	230	30.5	41.0
20 years and over	47,803	2,368	2,270	43,165	27,867	15,298	41.5	43.7
20 to 24 years	6,613	579	738	5,296	3,680	1,616	38.1	42.5
25 years and over	41,190	1,789	1,532	37,869	24,188	13,681	42.1	43.9
25 to 44 years	25,620	1,155	524	23,941	14,936	9,005	42.7	44.1
45 to 64 years	14,192	573	407	13,212	8,763	4,449	42.0	43.5
65 years and over	1,378	61	600	717	487	230	36.8	43.0
Females, 16 years and over	39,795	3,073	8,800	27,922	22,820	5,102	34.0	40.1
16 to 21 years	5,270	699	2,162	2,409	2,067	342	27.6	39.4
16 to 19 years	2,983	436	1,587	960	825	135	24.0	39.2
16 to 17 years	1,117	124	870	123	102	21	17.5	38.4
18 to 19 years	1,866	313	717	836	722	114	27.9	39.3
20 years and over	36,812	2,637	7,213	26,962	21,995	4,967	34.9	40.2
20 to 24 years	6,106	579	1,149	4,378	3,672	706	34.3	39.9
25 years and over	30,706	2,058	6,063	22,585	18,323	4,262	34.9	40.2
25 to 44 years	19,461	1,311	3,494	14,656	11,805	2,851	35.4	40.2
45 to 64 years	10,235	686	2,024	7,525	6,204	1,321	35.0	40.1
65 years and over	1,011	61	546	404	313	91	26.8	41.6
RACE								
White, 16 years and over	79,887	4,874	11,418	63,595	44,425	19,170	37.9	42.5
Males	45,296	2,336	3,307	39,653	25,112	14,541	40.9	43.9
Females	34,591	2,538	8,112	23,941	19,312	4,629	33.9	40.2
Black and other, 16 years and over	10,665	978	1,037	8,650	7,158	1,492	36.8	40.7
Males	5,460	442	348	4,670	3,651	1,019	38.5	41.7
Females	5,204	536	688	3,980	3,508	472	35.0	39.5
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,287	1,325	1,133	31,829	20,036	11,793	42.4	44.0
Widowed, divorced, or separated	4,424	295	211	3,918	2,553	1,365	41.2	43.8
Single (never married)	12,046	1,157	2,311	8,578	6,177	2,401	35.5	42.3
Females, 16 years and over:								
Married, spouse present	21,780	1,482	5,215	15,083	12,503	2,580	33.8	39.9
Widowed, divorced, or separated	7,857	620	1,012	6,225	4,909	1,316	36.5	40.6
Single (never married)	10,158	971	2,573	6,614	5,408	1,206	32.6	40.2

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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	1982								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	91,197	5,929	12,569	72,699	51,834	8,162	12,703	37.7	42.3
White-collar workers	50,395	1,856	6,975	41,564	28,735	4,488	8,341	38.6	42.6
Professional and technical	15,717	409	1,839	13,469	9,148	1,491	2,830	39.3	42.7
Managers and administrators, except farm	10,930	179	524	10,227	5,334	1,319	3,574	44.5	46.1
Sales workers	6,230	418	1,466	4,346	2,697	530	1,119	36.1	43.6
Clerical workers	17,518	849	3,147	13,522	11,556	1,148	818	35.1	39.6
Blue-collar workers	27,825	2,471	1,803	23,551	17,243	2,944	3,364	38.7	41.9
Craft and kindred workers	11,566	755	403	10,408	7,382	1,385	1,641	40.1	42.2
Operatives, except transport	8,855	861	447	7,547	5,969	873	705	38.3	40.9
Transport equipment operatives	3,125	263	239	2,623	1,555	364	704	40.9	44.9
Nonfarm laborers	4,279	592	714	2,973	2,338	321	314	34.1	40.9
Service workers	12,977	1,602	3,791	7,584	5,856	730	998	32.3	41.8
Private household workers	995	186	483	326	216	35	75	24.0	44.6
Other service workers	11,982	1,415	3,308	7,259	5,642	694	923	33.0	41.6
Males, 16 years and over	51,221	2,840	3,713	44,668	28,943	5,580	10,145	40.6	43.7
White-collar workers	23,542	558	1,439	21,545	12,481	2,652	6,412	42.8	44.9
Professional and technical	8,798	172	485	8,141	5,077	909	2,155	42.3	44.2
Managers and administrators, except farm	7,895	118	212	7,565	3,590	987	2,988	46.0	47.1
Sales workers	3,455	132	380	2,943	1,605	404	934	41.1	45.0
Clerical workers	3,395	135	362	2,898	2,212	351	335	38.1	41.3
Blue-collar workers	22,684	1,855	1,270	19,559	13,881	2,543	3,135	39.4	42.4
Craft and kindred workers	10,759	699	299	9,761	6,876	1,307	1,578	40.4	42.3
Operatives, except transport	5,288	405	220	4,663	3,488	597	578	39.6	41.8
Transport equipment operatives	2,860	230	146	2,484	1,449	348	687	41.9	45.1
Nonfarm laborers	3,777	522	605	2,650	2,068	290	292	34.2	41.0
Service workers	4,995	427	1,004	3,564	2,581	385	598	36.1	43.0
Private household workers	32	6	15	11	8	1	2	22.8	45.3
Other service workers	4,963	421	989	3,553	2,573	384	596	36.2	43.0
Females, 16 years and over	39,975	3,090	8,856	28,029	22,889	2,582	2,558	34.0	40.1
White-collar workers	26,853	1,300	5,536	20,017	16,252	1,836	1,929	34.9	40.1
Professional and technical	6,919	236	1,354	5,329	4,073	581	675	35.5	40.5
Managers and administrators, except farm	3,035	62	312	2,661	1,743	332	586	40.6	43.4
Sales workers	2,775	287	1,087	1,401	1,091	125	185	29.7	40.6
Clerical workers	14,123	715	2,784	10,624	9,344	797	483	34.4	39.1
Blue-collar workers	5,141	615	533	3,993	3,363	401	229	35.8	39.7
Craft and kindred workers	807	57	104	646	505	77	64	36.6	40.6
Operatives, except transport	3,567	456	227	2,884	2,481	276	127	36.4	39.4
Transport equipment operatives	265	33	93	139	106	16	17	30.6	41.0
Nonfarm laborers	502	70	109	323	270	31	22	32.7	40.0
Service workers	7,981	1,175	2,787	4,019	3,274	345	400	29.9	40.6
Private household workers	962	180	468	314	207	34	73	24.0	44.6
Other service workers	7,019	995	2,319	3,705	3,067	311	327	30.7	40.3

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

[Numbers in thousands]

Employment status	1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,170	3,650	3,520	5,921	3,029	2,892	1,249	621	628
Civilian labor force	1,233	657	576	1,147	608	539	86	49	37
Employed	1,025	532	493	980	506	474	45	26	19
Agriculture	114	91	23	111	89	22	3	2	1
Nonagricultural industries	910	440	470	869	417	451	42	23	19
Unemployed	208	125	83	167	102	65	41	23	18
Unemployment rate	16.9	19.0	14.4	14.6	16.8	12.1	47.7	6.9	48.7
Not in labor force	5,937	2,994	2,944	4,774	2,422	2,353	1,163	572	591
Keeping house	83	13	70	64	10	54	19	3	16
Going to school	4,739	2,419	2,320	3,754	1,947	1,847	945	472	474
Unable to work	4	2	2	4	2	1	1	--	1
All other reasons	1,111	560	551	913	462	451	198	97	100

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

Class of worker and occupation	1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,025	532	493	100.0	100.0	100.0
Nonagricultural industries	910	440	470	88.9	82.7	94.9
Wage and salary workers	810	373	437	79.1	70.1	88.3
Private household workers	367	86	281	35.8	16.2	56.8
Government workers	38	22	16	3.7	4.1	3.2
Other wage and salary workers	405	265	141	39.6	49.8	29.5
Self-employed workers	90	61	29	8.8	11.5	5.9
Unpaid family workers	10	6	4	1.0	1.1	.8
Agriculture	114	91	23	11.1	17.1	4.6
Wage and salary workers	65	52	14	6.3	9.8	2.8
Self-employed workers	16	14	2	1.6	2.6	.4
Unpaid family workers	33	26	8	3.2	4.9	1.6
OCCUPATION						
Total	1,025	532	493	100.0	100.0	100.0
White-collar workers	267	174	93	26.0	32.8	18.9
Professional and technical	15	5	9	1.5	.9	1.8
Managers and administrators, except farm	2	2	--	.2	.4	--
Sales workers	202	148	54	19.7	27.9	11.0
Clerical workers	49	18	30	4.8	3.4	6.1
Blue-collar workers	194	178	16	18.9	33.5	3.2
Craft and kindred workers	13	12	1	1.3	2.3	.2
Operatives, except transport	19	15	3	1.9	2.8	.6
Transport equipment operatives	4	3	1	.4	.6	.2
Nonfarm laborers	159	148	11	15.5	27.9	2.2
Service workers	472	108	365	46.0	20.3	74.0
Private household workers	301	18	283	29.3	3.4	57.4
Other service workers	172	90	82	16.7	16.9	16.6
Farm workers	92	72	19	9.0	13.6	3.9
Farmers and farm managers	3	2	1	.3	.4	.2
Farm laborers and supervisors	88	70	18	8.6	13.2	3.7

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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		
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	
TOTAL											
Total not in labor force	61,460	62,067	7,226	7,238	4,721	4,763	22,028	21,890	27,485	28,176	
Do not want a job now	55,623	55,507	5,698	5,528	3,726	3,641	19,270	18,764	26,928	27,573	
Current activity:											
Going to school	6,430	6,427	4,220	4,188	1,539	1,529	658	698	13	10	
Ill, disabled	4,271	4,034	34	33	119	104	2,022	1,912	2,095	1,985	
Keeping house	28,780	28,409	478	409	1,582	1,517	14,096	13,637	12,624	12,845	
Retired	11,821	12,325	--	--	--	2	256	281	11,564	12,043	
Other	4,321	4,312	966	898	486	489	2,238	2,236	632	690	
Want a job now	5,835	6,559	1,527	1,709	996	1,121	2,757	3,125	556	601	
Reason not looking:											
School attendance	1,558	1,732	1,062	1,186	294	320	198	224	5	3	
Ill, health, disability	769	769	27	28	67	59	507	513	169	168	
Home responsibilities	1,280	1,391	74	96	275	319	897	942	35	32	
Think cannot get job	1,103	1,568	190	238	167	241	563	850	183	238	
Job-market factors	808	1,181	135	176	136	191	446	683	89	131	
Personal factors	296	386	56	62	31	50	116	166	95	107	
Other reasons ¹	1,125	1,099	174	161	193	182	592	596	164	160	
Males											
Total not in labor force	18,537	19,073	3,316	3,409	1,468	1,531	3,489	3,543	10,265	10,589	
Do not want a job now	16,620	16,862	2,572	2,551	1,151	1,149	2,900	2,858	10,000	10,302	
Current activity:											
Going to school	3,194	3,230	2,054	2,074	821	825	314	328	4	2	
Ill, disabled	2,269	2,187	19	17	64	60	1,126	1,094	1,060	1,016	
Keeping house	282	309	13	10	6	8	93	80	172	210	
Retired	8,519	8,824	--	--	--	2	214	225	8,306	8,597	
Other	2,356	2,312	486	450	260	254	1,153	1,131	458	477	
Want a job now	1,916	2,212	744	857	316	383	588	687	266	285	
Reason not looking:											
School attendance	780	923	548	650	150	176	80	94	2	3	
Ill, health, disability	360	325	14	13	37	25	223	208	86	78	
Home responsibilities											
Think cannot get job	399	587	105	114	62	111	141	245	91	116	
Other reasons ¹	377	377	77	80	67	71	144	140	87	88	
Females											
Total not in labor force	42,922	42,993	3,910	3,828	3,254	3,232	18,539	18,347	17,219	17,586	
Do not want a job now	39,003	38,646	3,126	2,976	2,573	2,492	16,370	15,907	16,929	17,270	
Current activity:											
Going to school	3,236	3,197	2,165	2,113	717	703	344	372	9	7	
Ill, disabled	2,002	1,847	15	16	56	45	895	817	1,036	968	
Keeping house	28,498	28,100	466	399	1,575	1,508	14,003	13,559	12,452	12,637	
Retired	3,302	3,502	--	--	--	--	43	55	3,258	3,446	
Other	1,965	2,000	480	448	225	236	1,085	1,104	174	212	
Want a job now	3,919	4,347	784	852	679	740	2,169	2,438	288	316	
Reason not looking:											
School attendance	778	809	514	536	144	145	117	129	3	--	
Ill, health, disability	409	444	13	15	29	34	285	305	82	90	
Home responsibilities	1,280	1,391	74	96	275	319	897	942	35	32	
Think cannot get job	704	981	85	124	105	130	422	605	92	122	
Other reasons	748	722	98	81	126	112	448	457	76	72	

¹ 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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
WHITE												
Total not in labor force	52,586	53,298	9,237	9,270	18,781	18,610	24,839	25,417	15,585	16,078	37,272	37,220
Do not want a job now	48,599	48,602	7,467	7,329	16,746	16,340	24,388	24,928	14,216	14,493	34,383	34,109
Current activity:												
Going to school	5,022	5,072	4,532	4,540	484	523	8	7	2,516	2,574	2,506	2,498
Ill, disabled	3,435	3,275	111	102	1,587	1,522	1,738	1,650	1,841	1,789	1,594	1,486
Keeping house	25,958	25,608	1,736	1,628	12,600	12,208	11,623	11,772	230	253	25,728	25,355
Retired	10,684	11,131	—	—	235	258	10,448	10,873	7,751	8,018	2,933	3,113
Other	3,500	3,516	1,088	1,059	1,840	1,829	571	626	1,878	1,859	1,622	1,657
Want a job now	4,258	4,697	1,771	1,940	2,034	2,270	450	490	1,369	1,584	2,889	3,113
Reason not looking:												
School attendance	1,087	1,219	962	1,064	121	153	4	2	544	662	543	557
Ill health, disability	542	532	71	61	349	352	121	120	260	244	282	288
Home responsibilities	955	1,025	235	260	692	738	28	26	—	—	955	1,025
Think cannot get job	751	1,042	219	294	387	552	145	195	261	380	490	662
Other reasons ¹	923	879	284	261	485	475	152	147	304	298	619	581
BLACK AND OTHER												
Total not in labor force	8,603	8,769	2,711	2,730	3,247	3,280	2,646	2,759	2,952	2,996	5,651	5,773
Do not want a job now	7,023	6,909	1,955	1,839	2,532	2,425	2,541	2,645	2,404	2,369	4,619	4,540
Current activity:												
Going to school	1,406	1,356	1,229	1,178	177	177	4	3	677	656	729	700
Ill, disabled	836	762	39	34	438	389	360	335	428	400	408	362
Keeping house	2,823	2,801	324	299	1,498	1,428	1,002	1,075	53	55	2,770	2,746
Retired	1,137	1,194	—	—	21	25	1,116	1,169	768	805	369	389
Other	821	796	363	328	398	406	59	63	478	453	343	343
Want a job now	1,580	1,859	757	888	716	857	105	113	549	626	1,031	1,233
Reason not looking:												
School attendance	472	513	394	440	75	71	1	1	237	261	235	252
Ill health, disability	227	235	24	28	157	162	46	49	100	80	127	155
Home responsibilities	325	366	115	155	204	204	7	6	—	—	325	366
Think cannot get job	353	526	139	183	176	298	39	44	139	207	214	319
Other reasons ¹	203	219	85	82	104	122	12	13	73	78	130	141

¹ 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	1982						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	142	18	1	29	94	120	22
Lacks education or training	151	31	32	84	4	90	61
Other personal handicap	93	13	17	53	9	63	30
Job-market factors:							
Could not find job	630	116	113	349	53	359	272
Thinks no job available	551	60	78	334	78	410	141
Males							
Personal factors:							
Employers think too young or old	54	7	—	6	42	45	9
Lacks education or training	47	17	13	16	1	29	18
Other personal handicap	36	5	10	16	5	25	11
Job-market factors:							
Could not find job	267	59	58	120	28	146	121
Thinks no job available	182	26	30	85	40	135	47
Females							
Personal factors:							
Employers think too young or old	88	12	1	23	53	75	13
Lacks education or training	104	14	19	69	3	61	43
Other personal handicap	57	8	8	37	4	38	19
Job-market factors:							
Could not find job	363	55	55	229	26	213	151
Thinks no job available	368	33	49	248	36	275	94

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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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
Total, not in labor force	61,460	62,067	11,947	12,001	22,028	21,890	27,485	28,176	52,856	53,298	8,603	8,769
Never worked	9,691	9,906	5,063	5,282	2,211	2,228	2,418	2,396	7,532	7,625	2,159	2,281
Last worked over 5 years ago	31,020	31,421	305	303	10,836	10,637	19,879	20,481	27,491	27,761	3,530	3,661
Last worked 1 to 5 years ago	10,813	11,308	1,896	1,948	5,249	5,549	3,667	3,813	9,303	9,722	1,511	1,585
Left job during previous 12 months	9,932	9,429	4,681	4,467	3,731	3,477	1,520	1,485	8,530	8,188	1,403	1,240
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	42.4	42.0	59.4	58.0	36.0	37.0	5.7	5.3	43.4	43.1	36.7	34.5
Ill health, disability	7.8	6.9	1.9	1.6	12.2	11.2	15.0	12.7	7.3	6.5	10.5	9.3
Retirement, old age	9.1	10.3	—	—	3.5	4.6	50.7	54.6	9.9	10.9	4.1	6.1
Economic reasons	22.7	23.8	20.2	21.6	26.9	28.2	20.2	20.1	21.7	22.7	29.2	31.4
End of seasonal job	8.8	8.9	9.0	10.4	9.2	8.2	7.1	5.8	8.2	8.3	12.1	12.3
Slack work	7.5	9.1	5.9	6.5	10.1	13.0	6.2	7.4	7.0	8.4	10.6	13.3
End of temporary job	6.4	5.9	5.4	4.7	7.6	6.9	6.8	7.0	6.4	5.9	6.4	5.7
All other reasons	18.0	17.0	18.5	18.7	21.4	19.0	8.4	7.4	17.7	16.7	19.5	18.8
Males, not in labor force	18,537	19,073	4,784	4,940	3,489	3,543	10,265	10,589	15,585	16,078	2,952	2,996
Never worked	2,389	2,577	2,061	2,233	281	299	48	44	1,651	1,772	738	805
Last worked over 5 years ago	8,626	8,891	47	45	1,370	1,349	7,210	7,498	7,532	7,762	1,095	1,130
Last worked 1 to 5 years ago	3,664	3,828	523	537	1,014	1,110	2,127	2,183	3,127	3,273	537	555
Left job during previous 12 months	3,857	3,776	2,153	2,126	826	786	879	864	3,275	3,270	582	505
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	36.4	36.1	57.1	55.8	17.6	19.0	3.2	3.0	37.2	37.1	31.8	29.5
Ill health, disability	9.9	8.4	2.3	1.5	25.0	22.5	14.5	12.7	9.4	8.2	12.5	9.5
Retirement, old age	15.7	16.6	—	—	10.5	12.0	59.3	61.7	17.4	17.7	6.2	9.7
Economic reasons	21.0	23.1	21.8	24.0	23.3	26.2	17.1	18.0	19.6	21.7	28.9	32.5
End of seasonal job	8.8	9.2	10.3	12.0	6.7	5.5	7.2	5.7	8.3	8.7	12.0	12.7
Slack work	6.8	9.0	5.8	7.1	12.0	16.9	4.7	6.2	6.2	8.2	10.5	13.9
End of temporary job	5.4	5.0	5.7	4.9	4.6	3.8	5.2	6.1	5.2	4.8	6.4	5.9
All other reasons	17.0	15.8	18.8	18.7	23.6	20.3	5.9	4.5	16.3	15.3	20.6	18.8
Females, not in labor force	42,922	42,993	7,164	7,060	18,539	18,347	17,219	17,586	37,272	37,220	5,651	5,773
Never worked	7,302	7,329	3,003	3,049	1,930	1,927	2,369	2,352	5,881	5,853	1,421	1,476
Last worked over 5 years ago	22,394	22,530	258	257	9,466	9,290	12,669	12,983	19,959	19,999	2,435	2,531
Last worked 1 to 5 years ago	7,150	7,480	1,373	1,411	4,237	4,438	1,540	1,630	6,176	6,449	974	1,030
Left job during previous 12 months	6,076	5,653	2,529	2,341	2,905	2,690	641	621	5,255	4,918	821	735
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	46.2	45.9	61.4	60.1	41.3	42.2	10.6	8.5	47.2	47.1	40.2	37.9
Ill health, disability	6.5	5.9	1.7	1.7	8.6	8.0	14.6	12.7	6.0	5.4	9.2	9.1
Retirement, old age	4.9	6.0	—	—	1.5	2.4	41.3	44.3	5.2	6.4	2.6	3.5
Economic reasons	23.8	24.3	19.1	19.5	27.9	28.8	21.9	23.2	22.9	23.3	29.4	30.7
End of seasonal job	8.8	8.6	7.9	8.9	9.9	9.0	6.7	6.1	8.2	8.1	12.2	12.1
Slack work	8.0	9.1	6.0	6.1	9.6	11.9	6.3	8.9	7.5	8.5	10.7	12.9
End of temporary job	7.1	6.5	5.2	4.6	8.4	8.0	8.9	8.2	7.2	6.7	6.5	5.6
All other reasons	18.6	17.8	17.9	18.7	20.8	18.6	11.9	11.3	18.6	17.7	18.7	18.8

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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL	51,799	51,889	6,495	6,305	18,373	17,975	26,931	27,613	45,293	45,409	6,507	6,480
Do not intend to seek work	9,657	10,175	5,451	5,697	3,653	3,916	553	563	7,561	7,887	2,096	2,287
Intend to seek work in the next 12 months	1,768	1,986	1,616	1,815	144	165	9	6	1,245	1,336	524	651
Never worked	1,053	1,202	58	62	846	987	149	153	790	895	263	307
Last worked over 5 years ago	2,160	2,428	787	859	1,187	1,355	185	213	1,634	1,803	526	625
Last worked 1 to 5 years ago	4,676	4,559	2,991	2,961	1,475	1,408	210	190	3,893	3,853	782	706
Worked during previous 12 months												
Males	15,044	15,302	2,326	2,310	2,738	2,683	9,979	10,310	12,849	13,128	2,195	2,174
Do not intend to seek work	3,492	3,770	2,456	2,630	751	861	285	279	2,735	2,949	757	821
Intend to seek work in the next 12 months	728	872	701	829	25	44	1	1	509	585	219	288
Never worked	163	197	10	17	97	116	54	64	109	136	54	61
Last worked over 5 years ago	616	724	269	303	238	308	110	111	459	537	158	187
Last worked 1 to 5 years ago	1,985	1,977	1,476	1,482	390	393	120	103	1,659	1,691	326	286
Worked during previous 12 months												
Females	36,756	36,587	4,168	3,992	15,637	15,293	16,952	17,303	32,444	32,281	4,312	4,306
Do not intend to seek work	6,165	6,404	2,996	3,067	2,903	3,055	266	284	4,826	4,938	1,339	1,466
Intend to seek work in the next 12 months	1,041	1,113	914	989	119	121	8	4	736	751	305	363
Never worked	890	1,005	49	46	748	871	93	89	681	759	209	246
Last worked over 5 years ago	1,544	1,705	519	556	951	1,048	74	102	1,175	1,266	368	438
Last worked 1 to 5 years ago	2,690	2,582	1,514	1,479	1,086	1,016	90	88	2,234	2,162	456	420
Worked during previous 12 months												

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	
	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL								
Civilian noninstitutional population	170,130	172,271	147,908	149,441	18,219	18,584	9,310	9,400
Civilian labor force	108,670	110,204	55,052	96,143	11,086	11,331	5,972	5,983
Percent of population	63.9	64.0	64.3	64.3	60.8	61.0	64.1	63.6
Employed	100,397	99,526	88,709	87,903	9,355	9,189	5,348	5,158
Agriculture	3,368	3,401	3,109	3,142	184	188	251	253
Nonagricultural industries	97,030	96,125	85,600	84,761	9,171	9,001	5,097	4,905
Unemployed	8,273	10,678	6,343	8,241	1,731	2,142	624	825
Unemployment rate	7.6	9.7	6.7	8.6	15.6	18.9	10.4	13.8
Not in labor force	61,460	62,067	52,856	53,298	7,134	7,254	3,338	3,417
Males, 20 years and over								
Civilian noninstitutional population	72,419	73,644	63,715	64,655	7,007	7,186	3,914	3,994
Civilian labor force	57,197	57,980	50,671	51,200	5,223	5,368	3,321	3,297
Percent of population	79.0	78.7	79.5	79.2	74.5	74.7	84.3	84.7
Employed	53,582	52,891	47,846	47,209	4,520	4,414	3,028	2,901
Agriculture	2,384	2,422	2,183	2,218	148	150	139	195
Nonagricultural industries	51,199	50,469	45,663	44,990	4,372	4,264	2,840	2,706
Unemployed	3,615	5,089	2,825	3,991	703	954	293	395
Unemployment rate	6.3	8.8	5.6	7.8	13.5	17.8	8.8	12.0
Not in labor force	15,222	15,664	13,044	13,455	1,785	1,819	593	597
Females, 20 years and over								
Civilian noninstitutional population	81,497	82,864	70,677	71,711	8,924	9,146	4,220	4,325
Civilian labor force	42,485	43,699	36,418	37,425	5,001	5,140	2,106	2,157
Percent of population	52.1	52.7	51.5	52.2	56.0	56.2	49.9	49.9
Employed	39,590	40,086	34,275	34,710	4,329	4,347	1,906	1,886
Agriculture	604	601	567	565	19	21	35	33
Nonagricultural industries	38,986	39,485	33,708	34,144	4,310	4,326	1,871	1,853
Unemployed	2,895	3,613	2,143	2,715	671	793	200	271
Unemployment rate	6.8	8.3	5.9	7.3	13.4	15.4	9.5	12.6
Not in labor force	39,012	39,165	34,258	34,286	3,923	4,006	2,114	2,168
Both sexes, 16-19 years								
Civilian noninstitutional population	16,214	15,763	13,516	13,076	2,288	2,252	1,176	1,182
Civilian labor force	8,988	8,526	7,962	7,518	862	824	545	530
Percent of population	55.4	54.1	58.9	57.5	37.7	36.6	46.3	44.8
Employed	7,225	6,549	6,588	5,984	505	428	414	371
Agriculture	380	378	359	358	17	16	28	25
Nonagricultural industries	6,845	6,171	6,229	5,626	489	412	386	346
Unemployed	1,763	1,977	1,374	1,534	357	396	131	159
Unemployment rate	19.6	23.2	17.3	20.4	41.4	48.0	24.0	29.9
Not in labor force	7,226	7,238	5,554	5,557	1,426	1,429	631	652

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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 ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL								
Civilian noninstitutional population	9,310	9,400	5,642	5,679	1,165	1,215	750	749
Civilian labor force	5,972	5,983	3,757	3,745	583	622	483	474
Percent of population	64.1	63.6	66.6	65.9	50.0	51.2	64.4	63.3
Employed	5,348	5,158	3,364	3,222	504	513	439	421
Agriculture	251	253	230	232	5	5	2	3
Nonagricultural industries	5,097	4,905	3,134	2,990	499	508	437	418
Unemployed	624	825	393	522	79	110	44	53
Unemployment rate	10.4	13.8	10.5	13.9	13.6	17.6	9.0	11.2
Not in labor force	3,338	3,417	1,886	1,934	582	593	267	275
Males, 20 years and over								
Civilian noninstitutional population	3,914	3,894	2,457	2,422	431	451	328	319
Civilian labor force	3,321	3,297	2,141	2,103	333	352	264	250
Percent of population	84.8	84.7	87.1	86.8	77.3	78.0	80.5	78.4
Employed	3,028	2,901	1,957	1,847	293	299	243	227
Agriculture	189	195	173	178	3	4	2	3
Nonagricultural industries	2,840	2,706	1,784	1,669	290	295	241	224
Unemployed	293	395	184	256	40	54	22	24
Unemployment rate	8.8	12.0	8.6	12.2	12.0	15.3	8.2	9.4
Not in labor force	593	597	316	319	98	98	63	69
Females, 20 years and over								
Civilian noninstitutional population	4,220	4,325	2,441	2,498	563	590	345	366
Civilian labor force	2,106	2,157	1,223	1,267	208	217	186	193
Percent of population	49.9	49.9	50.1	50.7	36.9	36.8	53.9	52.7
Employed	1,906	1,886	1,102	1,109	186	183	172	172
Agriculture	35	33	30	31	1	1	--	--
Nonagricultural industries	1,871	1,853	1,073	1,078	185	182	172	172
Unemployed	200	271	120	158	21	34	15	21
Unemployment rate	9.5	12.6	9.8	12.5	10.2	15.8	8.0	10.9
Not in labor force	2,114	2,168	1,218	1,231	356	373	158	173
Both sexes, 16-19 years								
Civilian noninstitutional population	1,176	1,182	744	759	171	175	77	64
Civilian labor force	545	530	393	374	43	53	32	31
Percent of population	46.3	44.8	52.8	49.3	25.1	30.3	41.6	48.4
Employed	414	371	304	266	25	32	25	22
Agriculture	28	25	27	23	--	--	--	--
Nonagricultural industries	386	346	277	243	25	32	25	22
Unemployment	131	159	89	108	18	22	7	8
Unemployment rate	24.0	29.9	22.6	28.8	42.5	40.7	(2)	(2)
Not in labor force	631	652	351	385	128	121	45	33

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

² Percent not shown where base is less than 35,000.

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

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982
CHARACTERISTIC								
Total, 16 years and over	100,397	99,526	88,709	87,903	11,688	11,624	5,348	5,158
Males	57,397	56,271	51,315	50,287	6,083	5,983	3,273	3,111
Females	43,000	43,256	37,394	37,615	5,606	5,641	2,076	2,047
OCCUPATION								
White-collar workers	52,949	53,470	48,147	48,630	4,802	4,841	1,869	1,885
Professional and technical	16,420	16,951	14,794	15,308	1,625	1,643	435	440
Managers and administrators, except farm	11,540	11,493	10,867	10,834	673	659	354	337
Sales workers	6,425	6,580	6,075	6,217	350	363	207	218
Clerical workers	18,564	18,446	16,410	16,271	2,154	2,176	873	890
Blue-collar workers	31,261	29,597	27,191	25,710	4,071	3,886	2,397	2,214
Craft and kindred workers	12,662	12,272	11,590	11,238	1,072	1,035	708	680
Operatives, except transport	10,540	9,429	8,836	7,861	1,704	1,568	1,074	943
Transport equipment operatives	3,476	3,377	2,938	2,882	538	495	224	219
Nonfarm laborers	4,583	4,518	3,826	3,730	757	788	391	372
Service workers	13,438	13,736	10,814	11,036	2,624	2,700	880	867
Farm workers	2,749	2,723	2,558	2,527	192	197	203	192
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,464	1,505	1,273	1,306	191	198	228	231
Self-employed workers	1,638	1,636	1,575	1,579	63	57	21	21
Unpaid family workers	266	261	261	256	5	4	2	1
Nonagricultural industries:								
Wage and salary workers	89,543	88,462	78,615	77,600	10,927	10,862	4,827	4,619
Government	15,689	15,516	13,137	12,970	2,552	2,546	667	683
Private industries	73,853	72,945	65,480	64,630	8,375	8,315	4,160	3,935
Private households	1,208	1,207	832	857	376	350	90	95
Other industries	72,645	71,738	64,648	63,773	7,999	7,966	4,070	3,840
Self-employed workers	7,097	7,262	6,616	6,788	481	475	251	269
Unpaid family workers	390	400	368	373	22	28	19	17
FULL- AND PART-TIME STATUS¹								
Full-time schedules	81,358	79,118	71,722	69,728	9,636	9,390	4,457	4,191
Part time for economic reasons	4,768	6,169	3,953	5,138	814	1,032	362	444
Part time for noneconomic reasons	14,271	14,239	13,033	13,037	1,238	1,203	528	523

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

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47. Employed persons of Mexican, Puerto Rican, and Cuban origin by selected social and economic categories

[In thousands]

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1981	1982	1981	1982	1981	1982	1981	1982
CHARACTERISTIC								
Total, 16 years and over	5,348	5,158	3,364	3,222	504	513	439	421
Males	3,273	3,111	2,144	1,999	306	315	257	238
Females	2,076	2,047	1,220	1,223	198	197	183	183
OCCUPATION								
White-collar workers	1,869	1,885	1,026	1,037	209	212	205	206
Professional and technical	435	440	220	212	49	48	51	63
Managers and administrators, except farm ..	354	337	186	182	33	32	47	38
Sales workers	207	218	118	119	14	20	26	28
Clerical workers	873	890	502	524	113	112	81	77
Blue-collar workers	2,397	2,214	1,627	1,486	214	207	181	155
Craft and kindred workers	708	680	479	462	51	56	58	48
Operatives, except transport	1,074	943	696	599	115	98	85	76
Transport equipment operatives	224	219	152	147	20	27	17	13
Nonfarm laborers	391	372	300	278	28	26	21	18
Service workers	880	867	520	519	80	90	52	58
Farm workers	203	192	191	180	2	2	1	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	228	231	216	220	3	4	1	--
Self-employed workers	21	21	13	12	1	1	1	3
Unpaid family workers	2	1	1	--	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,827	4,619	2,998	2,831	482	493	390	378
Government	667	683	447	450	75	83	28	33
Private industries	4,160	3,935	2,552	2,381	407	410	363	345
Private households	90	95	47	57	2	4	2	--
Other industries	4,070	3,840	2,505	2,324	405	406	361	345
Self-employed workers	251	269	124	148	15	13	46	38
Unpaid family workers	19	17	12	11	2	2	1	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,457	4,191	2,780	2,579	448	440	368	348
Part time for economic reasons	362	444	269	324	19	34	21	23
Part time for noneconomic reasons	528	523	314	319	37	40	51	50

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

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

48. Employed black and Hispanic-origin workers by occupation

(Numbers in thousands)

Occupation	1982			Occupation	1982		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	99,526	9.2	5.2	Craft and kindred workers—Continued			
White-collar workers	53,470	6.6	3.5	All other craft workers	2,467	6.6	6.0
Professional and technical	16,951	6.4	2.6	Operatives, except transport	9,429	13.5	10.0
Health workers	3,263	7.3	2.5	Durable goods manufacturing	3,966	12.5	9.8
Teachers, except college	3,266	9.0	2.4	Nondurable goods manufacturing	3,054	16.3	11.2
Other professional and technical	10,422	5.3	2.7	Other industries	2,409	11.5	8.8
Managers and administrators, except farm	11,493	3.9	2.9	Transport equipment operatives	3,377	13.1	6.5
Salaried workers	9,630	4.0	2.8	Drivers, motor vehicles	2,921	12.5	6.1
Self-employed workers in retail trade	838	3.3	4.8	All other	456	17.5	9.2
Self-employed workers, except retail trade	1,026	3.5	3.1	Nonfarm laborers	4,519	15.1	8.2
Sales workers	6,580	3.8	3.3	Construction	722	16.6	10.7
Retail trade	3,310	4.9	4.3	Manufacturing	880	15.7	8.6
Other industries	3,270	2.8	2.3	Other industries	2,916	14.6	7.5
Clerical workers	18,446	9.4	4.8	Service workers	13,736	16.7	6.3
Stenographers, typists, and secretaries	4,855	7.5	4.1	Private household workers	1,042	28.2	8.2
Other clerical workers	13,591	10.1	5.1	Service workers, except private household	12,694	15.7	6.2
Blue-collar workers	29,597	10.9	7.5	Food service workers	4,760	10.2	6.4
Craft and kindred workers	12,272	6.7	5.5	Protective service workers	1,546	13.8	4.0
Carpenters	1,082	4.2	4.9	All other	6,388	20.4	6.5
Construction craft workers, except carpenters	2,509	8.4	5.4	Farm workers	2,723	5.5	7.1
Mechanics and repairers	3,358	6.2	5.6	Farmers and farm managers	1,452	1.2	.6
Metal craft workers	1,168	7.1	5.6	Farm laborers and supervisors	1,271	10.4	14.5
Blue-collar worker supervisors, not elsewhere classified	1,688	6.7	5.2	Paid workers	1,028	12.7	17.8
				Unpaid family workers	244	.4	.4

49. Employed black and Hispanic-origin workers by industry

(Numbers in thousands)

Industry	1982			Industry	1982		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	99,526	9.2	5.2	Nondurable goods—Continued			
Agriculture	3,401	5.5	7.4	Other nondurable goods industries	581	12.6	7.1
Mining	1,028	3.0	5.4	Transportation and public utilities	6,552	11.0	4.8
Construction	5,756	6.6	5.3	Railroads and railway express	469	10.0	3.0
Manufacturing	20,286	9.4	6.5	Other transportation	3,121	11.0	5.7
Durable goods	11,968	8.4	6.1	Communications and other public utilities	2,961	11.2	4.1
Lumber and wood products	627	13.7	5.4	Wholesale and retail trade	20,758	6.5	5.0
Furniture and fixtures	461	6.9	11.9	Wholesale trade	4,120	5.4	4.8
Stone, clay, and glass products	539	9.5	6.9	Retail trade	16,638	6.8	5.0
Primary metal industries	925	12.1	7.7	Finance, insurance, and real estate	6,270	7.7	4.6
Fabricated metal products	1,264	7.2	8.0	Service industries	30,259	11.4	4.6
Machinery, except electrical equipment	2,558	5.8	4.7	Private household	1,271	26.4	7.8
Electrical equipment	2,295	7.4	6.0	Other service industries	28,988	10.7	4.4
Transportation equipment	1,931	11.4	3.4	Business repair services	4,452	8.4	5.6
Automobiles	853	13.7	2.7	Personal services	2,722	11.3	6.9
Other transportation equipment	1,078	9.6	4.1	Entertainment and recreation services	1,138	6.9	4.6
Instruments and related products	600	7.2	6.0	Professional services	20,507	11.4	3.8
Other durable goods industries	768	6.0	9.4	Medical, except hospital	3,518	11.1	3.9
Nondurable goods	8,318	10.8	7.0	Hospitals	4,341	15.8	3.9
Food and kindred products	1,733	10.6	9.6	Welfare and religion	1,594	14.6	5.0
Textile mill products	688	18.3	4.1	Education	8,089	11.1	3.9
Apparel and other textile products	1,150	13.6	14.9	Other	2,965	4.5	2.8
Paper and allied products	689	10.2	3.9	Forestry and fisheries	168	4.2	3.6
Printing and publishing	1,621	5.8	3.5	Public administration	5,218	13.4	4.3
Chemicals and allied products	1,213	11.3	3.6				
Rubber and plastics products	643	9.0	7.0				

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

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	100,397	99,526	88,709	87,903	9,355	9,189	5,348	5,158
16 to 19 years	7,225	6,549	6,588	5,984	505	428	414	371
16 to 17 years	2,866	2,505	2,645	2,317	170	138	145	112
18 to 19 years	4,359	4,044	3,943	3,667	335	290	269	260
20 to 24 years	14,122	13,690	12,477	12,097	1,346	1,283	947	848
25 years and over	79,050	79,289	69,644	69,821	7,503	7,477	3,987	3,939
25 to 54 years	64,580	64,951	56,583	56,882	6,318	6,324	3,563	3,524
55 years and over	14,470	14,337	13,062	12,939	1,185	1,153	424	415
Males, 16 years and over	57,397	56,271	51,315	50,287	4,794	4,637	3,273	3,111
16 to 19 years	3,815	3,379	3,469	3,079	274	223	244	210
16 to 17 years	1,526	1,307	1,402	1,214	95	65	86	64
18 to 19 years	2,289	2,072	2,066	1,865	178	158	158	146
20 to 24 years	7,504	7,197	6,652	6,372	693	660	568	499
25 years and over	46,078	45,695	41,194	40,837	3,827	3,754	2,461	2,402
25 to 54 years	37,357	37,138	33,222	33,025	3,211	3,161	2,176	2,126
55 years and over	8,721	8,557	7,971	7,812	615	593	285	276
Females, 16 years and over	43,000	43,256	37,394	37,615	4,561	4,552	2,076	2,047
16 to 19 years	3,411	3,170	3,119	2,905	232	205	170	161
16 to 17 years	1,340	1,198	1,242	1,103	75	73	59	47
18 to 19 years	2,070	1,972	1,877	1,802	157	132	111	114
20 to 24 years	6,618	6,492	5,826	5,724	653	623	379	349
25 years and over	32,972	33,594	28,450	28,985	3,677	3,723	1,526	1,537
25 to 54 years	27,223	27,813	23,359	23,857	3,107	3,163	1,388	1,398
55 years and over	5,749	5,781	5,090	5,127	570	560	139	138

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

Sex and age	Total		White		Black		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982
Total, 16 years and over	7.6	9.7	6.7	8.6	15.6	18.9	10.4	13.8
16 to 19 years	19.6	23.2	17.3	20.4	41.4	48.0	24.0	29.9
16 to 17 years	21.4	24.9	19.2	22.8	44.8	48.6	28.0	37.9
18 to 19 years	18.4	22.1	15.9	18.8	39.5	47.8	21.6	25.8
20 to 24 years	12.3	14.9	10.4	12.8	26.4	30.6	14.0	17.7
25 years and over	5.4	7.4	4.8	6.6	10.6	13.6	7.8	10.9
25 to 54 years	5.8	7.9	5.1	7.0	11.5	14.6	7.9	11.1
55 years and over	3.6	5.0	3.4	4.7	5.7	8.0	7.0	9.6
Males, 16 years and over	7.4	9.9	6.5	8.8	15.7	20.1	10.2	13.6
16 to 19 years	20.1	24.4	17.9	21.7	40.7	48.9	24.3	31.2
16 to 17 years	22.0	26.4	19.9	24.2	43.2	52.7	30.7	40.0
18 to 19 years	18.8	23.1	16.4	20.0	39.2	47.1	20.3	26.4
20 to 24 years	13.2	16.4	11.6	14.3	26.4	31.5	14.2	18.3
25 years and over	5.1	7.5	4.5	6.7	10.6	14.8	7.5	10.5
25 to 54 years	5.5	8.0	4.9	7.1	11.3	15.6	7.6	10.7
55 years and over	3.5	5.1	3.2	4.7	6.7	10.0	6.9	10.5
Females, 16 years and over	7.9	9.4	6.9	8.3	15.6	17.6	10.8	14.1
16 to 19 years	19.0	21.9	16.6	19.0	42.2	47.1	23.5	28.2
16 to 17 years	20.7	23.2	18.4	21.2	46.5	44.2	23.5	34.8
18 to 19 years	17.9	21.0	15.3	17.6	39.8	48.6	23.5	25.0
20 to 24 years	11.2	13.2	9.1	10.9	26.4	29.6	13.6	17.0
25 years and over	5.9	7.3	5.2	6.5	10.6	12.5	8.4	11.5
25 to 54 years	6.3	7.7	5.5	6.9	11.6	13.6	8.5	11.7
55 years and over	3.8	4.8	3.7	4.6	5.0	5.7	7.3	9.8

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

(In thousands)

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982
DURATION								
Total, 16 years and over	8,273	10,678	6,343	8,241	1,930	2,437	624	825
Less than 5 weeks	3,449	3,883	2,703	3,025	746	858	287	326
5 to 14 weeks	2,539	3,311	1,967	2,606	573	704	199	273
15 weeks and over	2,285	3,485	1,673	2,610	612	875	138	227
15 to 26 weeks	1,122	1,708	848	1,318	274	390	79	118
27 weeks and over	1,162	1,776	825	1,292	338	485	59	109
Average (mean) duration, in weeks	13.7	15.6	13.0	15.0	16.0	17.8	11.2	13.4
Median duration, in weeks	6.9	8.7	6.7	8.5	8.0	9.4	5.9	7.8
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	41.7	36.4	42.6	36.7	38.6	35.2	46.0	39.5
5 to 14 weeks	30.7	31.0	31.0	31.6	29.7	28.9	31.9	33.1
15 weeks and over	27.6	32.6	26.4	31.7	31.7	35.9	22.1	27.5
15 to 26 weeks	13.6	16.0	13.4	16.0	14.2	16.0	12.7	14.3
27 weeks and over	14.0	16.6	13.0	15.7	17.5	19.9	9.5	13.2

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

(Numbers in thousands)

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982
NUMBER OF UNEMPLOYED								
Total, 16 years and over	8,273	10,678	6,343	8,241	1,930	2,437	624	825
Job losers	4,267	6,268	3,335	4,949	932	1,319	353	514
On layoff	1,430	2,127	1,206	1,795	224	332	104	138
Other job losers	2,837	4,141	2,129	3,154	709	987	249	376
Job leavers	923	840	758	698	164	142	64	66
Reentrants	2,102	2,384	1,565	1,785	537	599	130	154
New entrants	981	1,185	684	809	296	377	76	91
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	51.6	58.7	52.6	60.1	48.3	54.1	56.7	62.3
On layoff	17.3	19.9	19.0	21.8	11.6	13.6	16.7	16.7
Other job losers	34.3	38.8	38.6	38.3	36.7	40.5	40.0	45.6
Job leavers	11.2	7.9	12.0	8.5	8.5	5.8	10.3	8.0
Reentrants	25.4	22.3	24.7	21.7	27.8	24.6	20.9	18.7
New entrants	11.9	11.1	10.8	9.8	15.4	15.5	12.2	11.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.9	5.7	3.5	5.2	6.8	9.4	5.9	8.6
Job leavers8	.8	.8	.7	1.2	1.0	1.1	1.1
Reentrants	1.9	2.2	1.6	1.9	3.9	4.3	2.2	2.6
New entrants9	1.1	.7	.8	2.2	2.7	1.3	1.5

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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
		1982				
BLACK						
Total not in labor force	7,254	2,277	2,589	2,389	2,480	4,773
Do not want a job now	5,594	1,471	1,841	2,287	1,934	3,661
Current activity:						
Going to school	984	905	78	2	449	534
Ill, disabled	694	35	351	310	361	334
Keeping house	2,209	247	1,039	925	53	2,158
Retired	1,020	--	21	998	679	340
Other	687	284	352	52	392	295
Want a job now	1,658	807	749	100	546	1,112
Reason not looking:						
School attendance	434	390	43	--	214	220
Ill health, disability	222	24	152	45	74	148
Home responsibilities	329	146	178	5	--	329
Think cannot get job	482	172	272	37	191	290
Other reasons ¹	191	75	104	13	67	125
HISPANIC ORIGIN						
Total not in labor force	3,417	1,042	1,628	747	897	2,520
Do not want a job now	2,933	818	1,387	729	749	2,185
Current activity:						
Going to school	472	434	39	--	228	245
Ill, disabled	222	17	132	73	111	110
Keeping house	1,645	234	1,085	327	14	1,632
Retired	322	--	10	312	233	89
Other	272	132	122	17	163	109
Want a job now	483	226	241	17	150	335
Reason not looking:						
School attendance	111	97	14	--	61	50
Ill health, disability	46	9	33	4	27	20
Home responsibilities	160	52	108	--	--	160
Think cannot get job	98	37	51	10	38	60
Other reasons ¹	68	31	35	3	24	45

¹ Includes small number of men not looking for work because of "home responsibilities."

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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	
1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	
VETERANS										
Total, 25 years and over	8,549	8,615	8,111	8,123	7,639	7,426	472	697	5.8	8.6
25 to 39 years	7,315	7,073	7,036	6,775	6,602	6,152	434	623	6.2	9.2
25 to 29 years	1,486	1,200	1,386	1,116	1,250	945	136	171	9.8	15.3
30 to 34 years	3,325	2,909	3,217	2,786	3,033	2,541	184	245	5.7	8.8
35 to 39 years	2,504	2,964	2,433	2,873	2,319	2,666	114	207	4.7	7.2
40 years and over	1,234	1,542	1,675	1,348	1,037	1,274	38	74	3.5	5.5
NONVETERANS										
Total, 25 to 39 years	17,215	18,287	16,297	17,333	15,265	15,751	1,032	1,582	6.3	9.1
25 to 29 years	7,858	8,188	7,402	7,720	6,843	6,877	559	843	7.6	10.9
30 to 34 years	5,472	5,999	5,209	5,719	4,904	5,260	305	459	5.9	8.0
35 to 39 years	3,885	4,100	3,686	3,894	3,518	3,614	168	280	4.6	7.2

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who 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 96-466 (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 ¹						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
Total, 25 to 39 years:												
Civilian noninstitutional population	6,536	6,293	779	780	276	278	14,814	15,757	2,401	2,530	1,342	1,390
Civilian labor force	6,324	6,068	712	707	261	266	14,165	15,036	2,112	2,247	1,255	1,303
Employed	5,963	5,564	639	588	241	238	14,400	13,876	1,865	1,175	1,140	1,149
Unemployed	361	504	73	119	20	28	765	1,210	247	372	107	154
Unemployment rate	5.7	8.3	10.3	16.6	7.7	10.5	5.5	8.0	11.7	16.6	8.5	11.8
25 to 29 years												
Civilian noninstitutional population	1,281	1,018	205	182	80	46	6,828	7,115	1,030	1,073	593	600
Civilian labor force	1,208	960	178	156	75	45	6,510	6,783	892	937	555	562
Employed	1,100	830	150	115	70	40	6,077	6,127	776	750	506	488
Unemployed	108	130	28	41	5	5	433	656	126	187	49	74
Unemployment rate	8.9	13.5	15.7	26.3	6.7	11.1	6.7	9.7	14.1	20.0	8.8	13.2
30 to 34 years												
Civilian noninstitutional population	2,991	2,586	334	323	111	125	4,677	5,151	795	848	434	450
Civilian labor force	2,909	2,492	308	294	107	119	4,500	4,954	709	765	409	427
Employed	2,733	2,291	280	250	98	104	4,274	4,609	630	651	471	378
Unemployed	156	201	28	44	9	15	226	345	79	114	38	49
Unemployment rate	5.4	8.1	9.1	15.0	8.4	12.6	5.0	7.0	11.1	14.9	9.3	11.5
35 to 39 years												
Civilian noninstitutional population	2,264	2,689	240	275	85	107	3,309	3,491	576	609	315	340
Civilian labor force	2,207	2,616	226	257	79	102	3,175	3,349	511	545	291	314
Employed	2,110	2,443	209	223	73	94	3,049	3,140	469	474	271	283
Unemployed	97	173	17	34	6	8	126	209	42	71	20	31
Unemployment rate	4.4	6.6	7.5	13.2	7.6	7.8	4.0	6.2	8.2	13.0	6.9	9.9

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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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL												
Civilian noninstitutional population	115,705	117,544	47,557	48,178	68,148	69,366	54,425	54,727	4,389	4,192	50,036	50,535
Civilian labor force	75,048	76,465	29,777	30,276	45,271	46,189	33,620	33,740	2,817	2,725	30,803	31,015
Percent of population	64.9	65.1	62.6	62.8	66.4	66.6	61.8	61.7	64.2	65.0	61.6	61.4
Employed	69,433	69,192	27,129	26,923	42,304	42,269	30,963	30,335	2,719	2,603	28,244	27,732
Unemployed	5,615	7,273	2,649	3,352	2,966	3,921	2,657	3,405	98	122	2,559	3,283
Unemployment rate	7.5	9.5	8.9	11.1	6.6	8.5	7.9	10.1	3.5	4.5	8.3	10.6
Not in labor force	40,657	41,079	17,779	17,902	22,878	23,177	20,805	20,988	1,571	1,467	19,234	19,521
Males, 20 years and over												
Civilian noninstitutional population	49,206	50,175	19,906	20,227	29,300	29,948	23,212	23,469	2,006	1,923	21,206	21,546
Civilian labor force	39,365	40,025	15,335	15,620	24,030	24,405	17,832	17,955	1,638	1,588	16,194	16,367
Percent of population	80.0	79.8	77.0	77.2	82.0	81.5	76.8	76.5	81.7	82.6	76.4	76.0
Employed	36,898	36,551	14,150	13,982	22,748	22,569	16,684	16,340	1,603	1,532	15,081	14,808
Unemployed	2,467	3,473	1,185	1,638	1,282	1,835	1,147	1,615	35	57	1,112	1,558
Unemployment rate	6.3	8.7	7.7	10.5	5.3	7.5	6.4	9.0	2.1	3.6	6.9	9.5
Not in labor force	9,841	10,151	4,570	4,607	5,271	5,544	5,381	5,514	368	335	5,013	5,179
Females, 20 years and over												
Civilian noninstitutional population	55,642	56,724	23,465	23,858	32,177	32,866	25,855	26,140	1,911	1,837	23,944	24,303
Civilian labor force	29,677	30,662	12,330	12,638	17,347	18,024	12,807	13,037	896	882	11,911	12,155
Percent of population	53.3	54.1	52.5	53.0	53.9	54.8	49.5	49.9	46.9	48.0	49.7	50.0
Employed	27,723	28,200	11,388	11,499	16,335	16,701	11,867	11,886	858	846	11,009	11,040
Unemployed	1,955	2,461	942	1,138	1,013	1,323	939	1,151	38	36	901	1,115
Unemployment rate	6.6	8.0	7.6	9.0	5.8	7.3	7.3	8.8	4.2	4.1	7.6	9.2
Not in labor force	25,964	26,062	11,134	11,220	14,830	14,842	13,049	13,103	1,015	955	12,034	12,148
Both sexes, 16-19 years												
Civilian noninstitutional population	10,857	10,644	4,186	4,092	6,671	6,552	5,357	5,119	472	431	4,885	4,688
Civilian labor force	6,005	5,778	2,112	2,017	3,893	3,761	2,981	2,747	284	254	2,697	2,493
Percent of population	55.3	54.3	50.5	49.3	58.4	57.4	55.7	53.7	60.1	58.8	55.2	53.2
Employed	4,813	4,440	1,590	1,441	3,223	2,999	2,412	2,109	259	225	2,153	1,884
Unemployed	1,192	1,338	520	576	672	762	570	638	25	28	545	610
Unemployment rate	19.9	23.2	24.6	28.6	17.3	20.3	19.1	23.2	8.8	11.2	20.2	24.5
Not in labor force	4,851	4,866	2,074	2,076	2,777	2,790	2,376	2,371	188	178	2,188	2,193
White												
Civilian noninstitutional population	98,475	99,824	35,074	36,074	62,761	63,750	49,433	49,617	4,128	4,002	45,305	45,615
Civilian labor force	64,339	65,364	22,707	23,019	41,632	42,345	30,711	30,779	2,680	2,625	28,031	28,154
Percent of population	65.3	65.5	63.6	63.8	66.3	66.4	62.1	62.0	64.9	65.6	61.9	61.7
Employed	60,227	59,980	21,151	21,018	39,076	38,962	28,481	27,922	2,596	2,518	25,885	25,404
Unemployed	4,112	5,384	1,556	2,001	2,556	3,383	2,230	2,857	83	107	2,147	2,750
Unemployment rate	6.4	8.2	6.9	8.7	6.1	8.0	7.3	9.3	3.1	4.1	7.7	9.8
Not in labor force	34,136	34,460	13,007	13,054	21,129	21,406	18,722	18,838	1,449	1,377	17,273	17,461
Black and other												
Civilian noninstitutional population	17,230	17,720	11,843	12,104	5,387	5,616	4,991	5,110	260	190	4,731	4,920
Civilian labor force	10,709	11,101	7,070	7,256	3,639	3,845	2,909	2,961	138	99	2,771	2,862
Percent of population	62.2	62.6	59.7	59.9	67.6	68.5	58.3	57.9	52.9	52.2	58.6	58.2
Employed	9,206	9,212	5,978	5,905	3,228	3,307	2,482	2,412	123	85	2,359	2,327
Unemployed	1,503	1,889	1,093	1,351	410	538	427	549	14	14	413	535
Unemployment rate	14.0	17.0	15.5	18.6	11.3	14.0	14.7	18.5	10.5	14.3	14.9	18.7
Not in labor force	6,521	6,619	4,772	4,848	1,749	1,771	2,082	2,149	123	91	1,959	2,058

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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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL												
Civilian noninstitutional population	30,304	30,124	139,826	142,147	11,472	11,322	104,233	106,222	18,832	18,803	35,592	35,924
Civilian labor force	17,100	16,996	91,568	93,209	6,251	6,186	68,797	70,279	10,848	10,810	22,772	22,930
Percent of population	56.4	56.4	65.5	65.6	54.5	54.6	66.0	66.2	57.6	57.5	64.0	63.8
Employed	15,268	14,756	85,128	84,770	5,352	5,123	64,082	64,069	9,916	9,633	21,047	20,701
Unemployed	1,831	2,240	6,440	8,439	900	1,063	4,715	6,210	932	1,177	1,725	2,228
Unemployment rate	10.7	13.2	7.0	9.1	14.4	17.2	6.9	8.8	8.6	10.9	7.6	9.7
Not in labor force	13,204	13,129	48,257	48,938	5,220	5,136	35,437	35,943	7,984	7,993	12,821	12,995
White												
Civilian noninstitutional population	21,366	21,202	126,543	128,239	5,837	5,749	92,638	94,075	15,529	15,453	33,904	34,164
Civilian labor force	12,371	12,274	82,679	83,869	3,324	3,275	61,015	62,089	9,047	8,999	21,664	21,780
Percent of population	57.9	57.9	65.3	65.4	57.0	57.0	65.9	66.0	58.3	58.2	63.9	63.8
Employed	11,383	11,041	77,325	76,861	2,991	2,866	57,236	57,114	8,392	8,175	20,089	19,747
Unemployed	988	1,233	5,354	7,008	333	409	3,778	4,975	654	824	1,575	2,033
Unemployment rate	8.0	10.0	6.5	8.4	10.0	12.5	6.2	8.0	7.2	9.2	7.3	9.3
Not in labor force	8,995	8,928	43,863	44,370	2,513	2,473	31,623	31,986	6,482	6,454	12,240	12,384
Black and other												
Civilian noninstitutional population	8,938	8,922	13,283	13,907	5,635	5,573	11,575	12,147	3,303	3,350	1,688	1,760
Civilian labor force	4,729	4,722	8,889	9,340	2,927	2,910	7,782	8,190	1,801	1,811	1,107	1,149
Percent of population	52.9	52.9	66.9	67.2	51.9	52.2	67.1	67.4	54.5	54.1	65.6	65.3
Employed	3,885	3,715	7,803	7,909	2,361	2,257	6,845	6,955	1,524	1,458	958	954
Unemployed	844	1,007	1,086	1,431	566	653	937	1,236	277	353	150	195
Unemployment rate	17.8	21.3	12.2	15.3	19.3	22.4	12.0	15.1	15.4	19.5	13.5	17.0
Not in labor force	4,209	4,201	4,394	4,568	2,708	2,662	3,813	3,957	1,502	1,538	581	611

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	
	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982	1981	1982
TOTAL												
Both sexes, 16 years and over	10.7	13.2	7.0	9.1	14.4	17.2	6.9	8.8	8.6	10.9	7.6	9.7
Males, 20 years and over	9.0	11.8	5.8	8.2	12.8	16.2	5.7	8.0	6.8	9.4	6.2	8.8
Females, 20 years and over	9.8	11.3	6.3	7.7	12.3	13.9	6.1	7.5	8.2	9.7	6.9	8.4
Both sexes, 16-19 years	25.9	31.6	18.4	21.6	34.4	41.0	18.5	21.6	21.2	26.5	18.1	21.7
White												
Both sexes, 16 years and over	8.0	10.0	6.5	8.4	10.0	12.5	6.2	8.0	7.2	9.2	7.3	9.3
Males, 20 years and over	6.8	9.0	5.4	7.6	9.4	11.8	5.2	7.3	5.8	8.0	6.0	8.5
Females, 20 years and over	7.0	8.4	5.7	7.1	7.9	10.0	5.4	6.8	6.6	7.9	6.6	8.0
Both sexes, 16-19 years	20.1	24.6	16.8	19.8	24.6	30.4	16.6	19.4	18.6	22.7	17.4	20.9
Black and other												
Both sexes, 16 years and over	17.8	21.3	12.2	15.3	19.3	22.4	12.0	15.1	15.4	19.5	13.5	17.0
Males, 20 years and over	15.5	20.1	10.3	14.3	17.4	22.1	10.2	14.2	12.4	16.9	11.0	14.7
Females, 20 years and over	15.9	17.6	10.6	12.7	16.4	17.5	10.4	12.3	14.9	17.6	12.2	15.5
Both sexes, 16-19 years	40.3	49.5	36.2	40.6	43.7	52.0	36.6	41.2	34.4	45.4	34.1	37.5

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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	1981					1982				
	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
TOTAL										
Total families	61,023	6,354	28.0	72.0	63.5	61,614	7,956	30.2	69.8	59.5
With children under 18 years of age	31,172	3,964	29.4	70.6	62.0	31,159	4,864	32.2	67.8	57.3
Married-couple families	49,319	4,634	20.4	79.6	71.5	49,648	5,939	23.3	76.7	66.5
With children under 18 years of age	24,656	2,941	19.9	80.1	71.9	24,523	3,732	23.7	76.3	65.5
Families maintained by females	9,296	1,404	50.6	49.4	39.1	9,554	1,623	52.8	47.2	36.5
With children under 18 years of age	5,687	912	58.3	41.7	32.1	5,801	994	61.7	38.3	28.8
Families maintained by males	2,408	317	38.6	61.4	53.6	2,412	394	41.9	58.1	49.0
With children under 18 years of age	830	110	45.9	54.1	47.7	835	138	51.8	48.2	41.7
White										
Total families	53,160	4,942	25.3	74.7	66.2	53,573	6,246	27.9	72.1	61.7
With children under 18 years of age	26,355	3,030	25.9	74.1	65.3	26,244	3,763	29.3	70.7	59.8
Married-couple families	44,803	3,907	20.1	79.9	71.8	44,982	4,993	23.1	76.9	66.6
With children under 18 years of age	21,973	2,447	19.7	80.3	71.8	21,763	3,104	23.5	76.5	65.4
Families maintained by females	6,405	803	46.7	53.3	42.3	6,628	958	49.1	50.9	39.7
With children under 18 years of age	3,707	497	53.5	46.5	35.8	3,797	552	57.8	42.2	31.0
Families maintained by males	1,953	232	37.5	62.5	55.6	1,962	295	40.3	59.7	50.2
With children under 18 years of age	675	86	42.5	57.5	50.6	684	107	49.1	50.9	45.3
Black										
Total families	6,578	1,268	38.2	61.8	53.1	6,686	1,501	39.6	60.4	50.6
With children under 18 years of age	3,996	836	41.7	58.3	50.5	4,062	963	43.6	56.4	47.8
Married-couple families	3,505	619	21.5	78.5	70.3	3,580	778	23.5	76.5	66.5
With children under 18 years of age	2,014	420	20.5	79.5	72.6	2,050	512	23.5	76.5	67.1
Families maintained by females	2,698	574	55.7	44.3	35.1	2,731	633	58.5	41.5	31.9
With children under 18 years of age	1,854	395	63.5	36.5	28.1	1,883	422	66.9	33.1	25.5
Families maintained by males	375	75	42.9	57.1	48.1	375	90	47.3	52.7	45.1
With children under 18 years of age	128	22	(1)	(1)	(1)	130	29	(1)	(1)	(1)
Hispanic origin										
Total families	3,394	484	31.1	68.9	60.7	3,384	618	33.4	66.6	56.1
With children under 18 years of age	2,321	345	33.4	66.6	59.3	2,301	435	36.6	63.4	54.0
Married-couple families	2,487	344	25.0	75.0	67.4	2,488	463	27.9	72.1	62.2
With children under 18 years of age	1,725	260	25.1	74.9	68.0	1,718	344	30.2	69.8	60.8
Families maintained by females	715	107	49.5	50.5	38.3	723	123	53.7	46.3	32.5
With children under 18 years of age	528	75	60.8	39.2	31.1	525	81	63.8	36.2	26.3
Families maintained by males	192	32	(1)	(1)	(1)	174	32	(1)	(1)	(1)
With children under 18 years of age	67	9	(1)	(1)	(1)	57	11	(1)	(1)	(1)

¹ Percent not shown where base is less than 35,000.

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1981				1982			
	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
TOTAL								
Total unemployed	8,273	40.1	59.9	52.6	10,678	42.3	57.7	49.1
In families	7,072	30.0	70.0	61.5	9,158	32.7	67.3	57.2
Husbands	1,667	44.6	55.4	41.8	2,492	45.0	55.0	39.6
With children under 18 years of age	1,079	47.8	52.2	37.5	1,635	49.0	51.0	34.2
Wives	1,445	17.2	82.8	77.4	1,830	21.7	78.3	70.9
With children under 18 years of age	919	15.1	84.9	79.3	1,186	20.0	80.0	72.7
Relatives in married-couple families	2,004	8.7	91.3	85.9	2,488	11.0	89.0	82.7
Females who maintain families	579	81.8	18.2	10.5	675	83.3	16.7	9.5
With children under 18 years of age	481	87.7	12.3	5.9	559	89.5	10.5	4.8
Relatives in families maintained by females	1,024	32.8	67.2	55.6	1,218	35.8	64.2	51.4
Males who maintain families	133 ^c	65.7	34.3	20.1	179	70.1	29.9	19.5
With children under 18 years of age	55 ^c	84.6	15.4	9.4	75	84.9	15.1	6.8
Relatives in families maintained by males	220 ^c	25.4	74.6	67.2	277	28.1	71.9	62.6
Not in families ¹	1,201	--	--	--	1,520	--	--	--
White								
Total unemployed	6,343	38.2	61.8	54.6	8,241	40.5	59.5	50.7
In families	5,402	27.4	72.6	64.1	7,048	30.5	69.5	59.2
Husbands	1,394	44.8	55.2	40.8	2,098	45.2	54.8	38.8
With children under 18 years of age	886	48.4	51.6	35.8	1,353	49.4	50.6	32.8
Wives	1,217	16.5	83.5	78.2	1,531	20.2	79.8	72.5
With children under 18 years of age	755	14.2	85.8	80.3	973	18.2	81.8	74.6
Relatives in married-couple families	1,658	8.0	92.0	87.1	2,013	10.5	89.5	83.4
Females who maintain families	317	77.3	22.7	12.9	385	78.6	21.4	11.9
With children under 18 years of age	253	85.1	14.9	6.8	306	86.6	13.4	5.6
Relatives in families maintained by females	558	30.7	69.3	58.0	693	33.7	66.3	53.7
Males who maintain families	97	64.9	35.1	27.3	132	71.3	28.7	18.7
With children under 18 years of age	41	81.7	18.3	11.2	56	85.5	14.5	7.4
Relatives in families maintained by males	161	25.7	74.3	67.6	197	24.1	75.9	66.7
Not in families ¹	941	--	--	--	1,193	--	--	--
Black								
Total unemployed	1,731	47.0	53.0	45.5	2,142	48.7	51.3	43.1
In families	1,502	38.9	61.1	52.4	1,858	40.9	59.1	49.7
Husbands	232	43.2	56.8	48.5	319	43.4	56.6	44.8
With children under 18 years of age	164	44.5	55.5	47.6	225	45.5	54.5	42.7
Wives	189	21.4	78.6	71.9	240	29.5	70.5	62.2
With children under 18 years of age	138	19.3	80.7	73.9	173	28.4	71.6	63.5
Relatives in married-couple families	299	11.4	88.6	80.2	403	12.2	87.8	80.1
Females who maintain families	247	87.4	12.6	7.6	279	90.1	9.9	6.3
With children under 18 years of age	215	90.6	9.4	4.9	245	93.1	6.9	3.9
Relatives in families maintained by females	452	35.2	64.8	53.0	503	38.3	61.7	48.4
Males who maintain families	30	(2)	(2)	(2)	41	69.0	31.0	20.2
With children under 18 years of age	12	(2)	(2)	(2)	16	(2)	(2)	(2)
Relatives in families maintained by males	53	24.0	76.0	66.1	72	39.5	60.5	54.1
Not in families ¹	229	--	--	--	284	--	--	--
Hispanic origin								
Total unemployed	624	41.2	58.8	51.3	825	43.6	56.4	46.8
In families	545	32.6	67.4	58.7	730	36.3	63.7	52.9
Husbands	143	51.4	48.6	37.7	205	53.5	46.5	35.8
With children under 18 years of age	114	53.2	46.8	36.0	163	57.3	42.7	32.7
Wives	99	17.1	82.9	76.9	144	20.5	79.5	69.1
With children under 18 years of age	73	15.8	84.2	79.1	107	20.6	79.4	69.3
Relatives in married-couple families	143	9.2	90.8	84.1	198	15.1	84.9	75.9
Females who maintain families	42	75.2	24.8	14.1	50	79.3	20.7	14.0
With children under 18 years of age	35	83.6	16.4	10.3	41	86.8	13.2	7.8
Relatives in families maintained by females	79	33.9	66.1	53.3	95	44.2	55.8	39.5
Males who maintain families	18	(2)	(2)	(2)	16	(2)	(2)	(2)
With children under 18 years of age	6	(2)	(2)	(2)	6	(2)	(2)	(2)
Relatives in families maintained by males	21	(2)	(2)	(2)	23	(2)	(2)	(2)
Not in families ¹	79	--	--	--	95	--	--	--

¹ 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.

² Percent not shown where base is less than 35,000.

c = corrected

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1981				1982			
	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
TOTAL								
Total employed	100,397	37.9	62.1	52.7	99,526	38.4	61.6	51.4
In families	84,854	26.5	73.5	62.3	83,918	26.9	73.1	61.0
Husbands	38,008	36.9	63.1	45.6	37,219	36.8	63.2	44.8
With children under 18 years of age	22,505	39.5	60.5	40.1	21,810	39.6	60.4	39.2
Wives	23,590	9.6	90.4	85.5	23,726	11.0	89.0	83.1
With children under 18 years of age	12,698	5.7	94.3	90.4	12,712	7.5	92.5	87.3
Relatives in married-couple families	11,709	5.7	94.3	90.2	11,371	6.8	93.2	88.3
Females who maintain families	4,998	66.6	33.4	22.1	5,098	66.4	33.6	21.5
With children under 18 years of age	3,357	79.0	21.0	10.7	3,372	78.9	21.1	10.1
Relatives in families maintained by females	3,607	27.5	72.5	61.4	3,637	26.7	73.3	61.6
Males who maintain families	1,696	56.8	43.2	32.1	1,651	57.3	42.7	31.7
With children under 18 years of age	697	71.1	28.9	15.5	676	73.6	26.4	14.8
Relatives in families maintained by males	1,247	17.3	82.7	75.9	1,217	17.9	82.1	73.0
Not in families ¹	15,543	--	--	--	15,608	--	--	--
White								
Total employed	88,709	37.3	62.7	53.0	87,903	37.9	62.1	51.6
In families	75,157	26.0	74.0	62.5	74,232	26.4	73.6	61.1
Husbands	34,663	37.4	62.6	44.6	33,868	37.2	62.8	43.8
With children under 18 years of age	20,251	40.2	59.8	38.4	19,573	40.2	59.8	37.5
Wives	21,135	9.2	90.8	86.1	21,207	10.6	89.4	83.6
With children under 18 years of age	11,142	5.1	94.9	91.1	11,116	6.9	93.1	88.1
Relatives in married-couple families	10,616	5.6	94.4	90.6	10,273	6.7	93.3	88.6
Females who maintain families	3,618	64.6	35.4	23.1	3,719	63.8	36.2	22.9
With children under 18 years of age	2,390	77.6	22.4	10.7	2,416	76.9	23.1	10.5
Relatives in families maintained by females	2,707	27.7	72.3	61.4	2,797	26.8	73.2	61.8
Males who maintain families	1,405	69.4	30.6	15.9	1,383	57.1	42.9	31.1
With children under 18 years of age	583	56.3	43.7	31.9	571	72.6	27.4	15.1
Relatives in families maintained by males	1,013	16.6	83.4	76.8	984	17.4	82.6	73.7
Not in families ¹	13,552	--	--	--	13,671	--	--	--
Black								
Total employed	9,355	44.3	55.7	48.2	9,189	44.5	55.5	47.6
In families	7,704	32.4	67.6	58.5	7,623	33.0	67.0	57.3
Husbands	2,540	31.9	68.1	56.4	2,521	32.1	67.9	55.6
With children under 18 years of age	1,677	32.1	67.9	56.3	1,644	32.4	67.6	55.3
Wives	1,869	15.2	84.8	78.8	1,912	16.6	83.4	76.4
With children under 18 years of age	1,175	11.2	88.8	83.2	1,197	13.3	86.7	80.1
Relatives in married-couple families	779	8.1	91.9	85.2	763	8.1	91.9	84.6
Females who maintain families	1,276	73.0	27.0	18.9	1,269	74.9	25.1	16.7
With children under 18 years of age	901	82.7	17.3	10.4	886	84.6	15.4	8.6
Relatives in families maintained by females	818	27.6	72.4	60.2	753	27.2	72.8	60.1
Males who maintain families	239	59.6	40.4	32.8	220	60.1	39.9	33.3
With children under 18 years of age	96	80.1	19.9	12.8	89	79.8	20.2	13.4
Relatives in families maintained by males	182	21.7	78.3	69.9	184	22.1	77.9	67.7
Not in families ¹	1,651	--	--	--	1,566	--	--	--
Hispanic origin								
Total employed	5,348	38.8	61.2	53.5	5,158	39.3	60.7	51.4
In families	4,644	29.5	70.5	61.6	4,482	30.1	69.9	59.1
Husbands	2,025	42.4	57.6	45.7	1,963	43.1	56.9	42.9
With children under 18 years of age	1,499	45.3	54.7	42.1	1,449	46.3	53.7	39.3
Wives	1,097	8.8	91.2	85.9	1,080	10.4	89.6	82.8
With children under 18 years of age	753	7.6	92.4	87.9	734	9.1	90.9	84.9
Relatives in married-couple families	700	6.9	93.1	88.0	646	7.6	92.4	84.4
Females who maintain families	302	70.1	29.9	21.7	298	67.5	32.5	21.7
With children under 18 years of age	216	80.9	19.1	11.0	209	79.1	20.9	11.2
Relatives in families maintained by females	237	28.3	71.7	60.8	246	27.2	72.8	60.2
Males who maintain families	144	49.6	50.4	39.2	128	47.4	52.6	43.0
With children under 18 years of age	54	74.3	25.7	15.5	43	69.8	30.2	19.5
Relatives in families maintained by males	139	12.3	87.7	79.5	123	10.5	89.5	82.4
Not in families ¹	704	--	--	--	676	--	--	--

¹ 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.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

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

[In thousands]

Industry	1979	1980	1981	1982 ^P	Change from	
					1980-1981	1981-1982 ^P
TOTAL	89,823	90,406	91,105	89,619	699	-1,486
GOODS-PRODUCING	26,461	25,658	25,481	23,882	-177	-1,599
MINING	958	1,027	1,132	1,122	105	-10
CONSTRUCTION	4,463	4,346	4,176	3,912	-170	-264
MANUFACTURING	21,040	20,285	20,173	18,849	-112	-1,324
DURABLE GOODS	12,760	12,187	12,117	11,114	-70	-1,003
Lumber and wood products	766.9	690.5	668.7	613.9	-21.8	-54.8
Furniture and fixtures	497.8	465.8	467.3	441.5	1.5	-25.8
Stone, clay, and glass products	708.7	662.1	638.2	577.2	-23.9	-61.0
Primary metal industries	1,253.9	1,142.2	1,121.1	919.0	-21.1	-202.1
Fabricated metal products	1,717.7	1,613.1	1,592.4	1,443.2	-20.7	-149.2
Machinery, except electrical	2,484.8	2,494.0	2,507.0	2,289.5	13.0	-217.5
Electric and electronic equipment	2,116.9	2,090.6	2,092.2	2,010.5	1.6	-81.7
Transportation equipment	2,077.2	1,899.7	1,892.6	1,726.4	-7.1	-166.2
Instruments and related products	691.2	711.3	726.8	705.4	15.5	-21.4
Miscellaneous manufacturing industries	444.8	418.0	410.7	387.3	-7.3	-23.4
NONDURABLE GOODS	8,280	8,098	8,056	7,735	-42	-321
Food and kindred products	1,732.5	1,708.0	1,674.3	1,643.4	-33.7	-30.9
Tobacco manufactures	70.0	68.9	69.8	65.2	.9	-4.6
Textile mill products	885.1	847.7	822.5	748.4	-25.2	-74.1
Apparel and other textile products	1,304.3	1,263.5	1,244.0	1,158.1	-19.5	-85.9
Paper and allied products	706.8	692.8	687.8	659.6	-5.0	-28.2
Printing and publishing	1,235.1	1,252.1	1,265.8	1,270.8	13.7	5.0
Chemicals and allied products	1,109.3	1,107.4	1,107.3	1,074.1	-.1	-33.2
Petroleum and coal products	209.8	197.9	215.6	206.8	17.7	-8.8
Rubber and misc. plastics products	781.6	726.8	736.1	697.8	9.3	-38.3
Leather and leather products	245.7	232.9	233.0	210.3	.1	-22.7
SERVICE-PRODUCING	63,363	64,748	65,625	65,737	877	112
TRANSPORTATION AND PUBLIC UTILITIES	5,136	5,146	5,157	5,057	11	-100
WHOLESALE AND RETAIL TRADE	20,192	20,310	20,551	20,547	241	-4
WHOLESALE TRADE	5,204	5,275	5,359	5,294	84	-65
RETAIL TRADE	14,989	15,035	15,192	15,253	157	61
FINANCE, INSURANCE, AND REAL ESTATE	4,975	5,160	5,301	5,350	141	49
SERVICES	17,112	17,890	18,592	19,000	702	406
GOVERNMENT	15,947	16,241	16,024	15,784	-217	-240
FEDERAL	2,773	2,866	2,772	2,733	-94	-39
STATE AND LOCAL	13,174	13,375	13,253	13,051	-122	-202

p=preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

**2. Production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group**

(In thousands)

Industry	1979	1980	1981	1982 ^P	Change from	
					1980-1981	1981-1982 ^P
TOTAL PRIVATE	60,367	60,331	60,881	59,574	550	-1,307
MINING	719	762	832	804	70	-28
CONSTRUCTION	3,565	3,421	3,250	3,003	-171	-247
MANUFACTURING	15,068	14,214	14,021	12,782	-193	-1,239
DURABLE GOODS	9,110	8,442	8,301	7,364	-141	-937
Lumber and wood products	653.6	577.7	555.7	504.7	-22.0	-51.0
Furniture and fixtures	405.9	375.8	376.1	348.9	.3	-27.2
Stone, clay, and glass products	558.7	513.1	491.1	436.7	-22.0	-54.4
Primary metal industries	986.4	877.6	860.7	681.0	-16.9	-179.7
Fabricated metal products	1,298.9	1,195.1	1,172.6	1,039.1	-22.5	-133.5
Machinery, except electrical	1,634.3	1,602.3	1,585.1	1,377.7	-17.2	-207.4
Electric and electronic equipment	1,388.1	1,328.4	1,311.6	1,218.2	-16.8	-93.4
Transportation equipment	1,423.3	1,233.1	1,215.5	1,072.4	-17.6	-143.1
Instruments and related products	421.6	425.5	428.2	404.4	2.7	-23.8
Miscellaneous manufacturing industries	338.8	313.1	304.0	280.6	-9.1	-23.4
NONDURABLE GOODS	5,958	5,772	5,721	5,419	-51	-302
Food and kindred products	1,190.8	1,174.6	1,150.8	1,127.1	-23.8	-23.7
Tobacco manufactures	55.5	53.6	54.2	50.7	.6	-3.5
Textile mill products	770.9	736.9	712.1	641.6	-24.8	-70.5
Apparel and other textile products	1,116.8	1,079.4	1,059.2	979.1	-20.2	-80.1
Paper and allied products	535.6	522.7	518.0	492.0	-4.7	-26.0
Printing and publishing	697.2	698.9	698.1	696.4	-.8	-1.7
Chemicals and allied products	633.3	625.8	627.0	597.1	1.2	-29.9
Petroleum and coal products	137.1	124.7	134.9	123.7	10.2	-11.2
Rubber and misc. plastics products	611.8	559.4	569.0	534.9	9.6	-34.1
Leather and leather products	209.1	196.6	197.2	175.9	.6	-21.3
TRANSPORTATION AND PUBLIC UTILITIES	4,299	4,293	4,277	4,176	-16	-101
WHOLESALE AND RETAIL TRADE	17,748	17,812	17,960	17,946	148	-14
WHOLESALE TRADE	4,274	4,312	4,360	4,275	48	-85
RETAIL TRADE	13,474	13,500	13,600	13,671	100	71
FINANCE, INSURANCE, AND REAL ESTATE	3,776	3,907	4,002	4,000	95	-2
SERVICES	15,193	15,921	16,539	16,863	618	324

¹ 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 workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group**

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1979	1980	1981	1982 ^P	1979	1980	1981	1982 ^P	1979	1980	1981	1982 ^P
TOTAL PRIVATE	35.7	35.3	35.2	34.8	\$6.16	\$6.66	\$7.25	\$7.67	\$219.91	\$235.10	\$255.20	\$266.92
MINING	43.0	43.3	43.7	42.6	8.49	9.17	0.05	0.83	365.07	397.06	439.19	461.36
CONSTRUCTION	37.0	37.0	36.9	36.7	9.27	9.94	0.80	1.55	342.99	367.78	398.52	423.89
MANUFACTURING	40.2	39.7	39.8	38.9	6.70	7.27	7.99	8.50	269.34	288.62	318.00	330.65
<i>Overtime hours</i>	3.3	2.8	2.8	2.3	-	-	-	-	-	-	-	-
DURABLE GOODS	40.8	40.1	40.2	39.3	7.13	7.75	8.53	9.05	290.90	310.78	342.91	355.67
<i>Overtime hours</i>	3.5	2.8	2.8	2.2	-	-	-	-	-	-	-	-
Lumber and wood products	39.4	38.5	38.7	38.0	6.07	6.55	7.00	7.50	239.16	252.18	270.90	285.00
Furniture and fixtures	38.7	38.1	38.4	37.2	5.06	5.49	5.91	6.33	195.82	209.17	226.94	235.48
Stone, clay, and glass products	41.5	40.8	40.6	40.0	6.85	7.50	8.27	8.87	284.28	306.00	335.76	354.80
Primary metal industries	41.4	40.1	40.5	38.5	8.98	9.77	0.81	1.34	371.77	391.78	437.81	436.59
Fabricated metal products	40.7	40.4	40.3	39.2	6.85	7.45	8.20	8.78	278.80	300.98	330.46	344.18
Machinery, except electrical	41.8	41.0	40.9	39.6	7.32	8.00	8.81	9.28	305.98	328.00	360.33	367.49
Electric and electronic												
equipment	40.3	39.8	39.9	39.3	6.32	6.94	7.62	8.17	254.70	276.21	304.04	321.08
Transportation equipment	41.1	40.6	40.9	40.5	8.53	9.35	0.39	1.12	350.58	379.61	424.95	450.36
Instruments and related												
products	40.8	40.5	40.4	39.8	6.17	6.80	7.43	8.26	251.74	275.40	300.17	328.75
Miscellaneous manufacturing												
industries	38.8	38.7	38.8	38.5	5.03	5.46	5.96	6.41	195.16	211.30	231.25	246.79
NONDURABLE GOODS	39.3	39.0	39.1	38.4	6.01	6.55	7.18	7.73	236.19	255.45	280.74	296.83
<i>Overtime hours</i>	3.1	2.8	2.8	2.5	-	-	-	-	-	-	-	-
Food and kindred products	39.9	39.7	39.7	39.5	6.27	6.85	7.43	7.89	250.17	271.95	294.97	311.66
Tobacco manufactures	38.0	38.1	38.8	37.8	6.67	7.74	8.88	9.82	253.46	294.89	344.54	371.20
Textile mill products	40.4	40.1	39.6	37.5	4.66	5.07	5.52	5.83	188.26	203.31	218.59	218.63
Apparel and other textile products	35.3	35.4	35.7	34.7	4.23	4.56	4.96	5.18	149.32	161.42	177.07	179.75
Paper and allied products	42.6	42.2	42.5	41.8	7.13	7.84	8.60	9.32	303.74	330.85	365.50	389.58
Printing and publishing	37.5	37.1	37.3	37.0	6.94	7.53	8.18	8.73	260.25	279.36	305.11	323.01
Chemicals and allied products	41.9	41.5	41.6	40.9	7.60	8.30	9.12	9.98	318.44	344.45	379.39	408.18
Petroleum and coal products	43.8	41.8	43.2	44.0	9.36	0.10	1.38	2.47	409.97	422.18	491.62	548.68
Rubber and misc. plastics products	40.5	40.0	40.3	39.5	5.97	6.52	7.16	7.63	241.79	260.80	288.55	301.39
Leather and leather products	36.5	36.7	36.8	35.6	4.22	4.58	4.99	5.33	154.03	168.09	183.63	189.75
TRANSPORTATION AND PUBLIC UTILITIES	39.9	39.6	39.4	38.9	8.16	8.87	9.70	0.30	325.58	351.25	382.18	400.67
WHOLESALE AND RETAIL TRADE	32.6	32.2	32.2	31.9	5.06	5.48	5.93	6.22	164.96	176.46	190.95	198.42
WHOLESALE TRADE	38.8	38.5	38.6	38.4	6.39	6.96	7.57	8.06	247.93	267.96	292.20	309.50
RETAIL TRADE	30.6	30.2	30.1	29.9	4.53	4.88	5.25	5.49	138.62	147.38	158.03	164.15
FINANCE, INSURANCE, AND REAL ESTATE	36.2	36.2	36.3	36.2	5.27	5.79	6.31	6.79	190.77	209.60	229.05	245.80
SERVICES	32.7	32.6	32.6	32.6	5.36	5.85	6.41	6.90	175.27	190.71	208.97	224.94

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

p=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 1,148 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

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

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

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

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

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

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

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

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

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

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

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

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

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

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

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

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nonveterans are males who never served in the Armed Forces.

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

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

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

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

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

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

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

HISTORIC COMPARABILITY

Raised lower age limit

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

Noncomparability of labor force levels

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

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

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

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

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

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

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

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

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

Changes in the occupational classification system

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

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

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

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

Changes in sample design

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

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

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

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

ESTIMATING METHODS

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

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

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

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

a. First-stage ratio estimate. In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 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 civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

Table A. Characteristics of the CPS sample

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

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

² Three sample areas were added in 1960 to represent Alaska and Hawaii after statehood.

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

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

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

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulation of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population for the estimate date is derived by subtracting the Armed Forces and the institutional population from the total population including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1970 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national controls totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Table B. Standard errors for major employment status categories

(In thousands)

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

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

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

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

Illustration. For example, suppose that one is interested in the year-to-year change of a monthly unemployment rate. Let us assume that for a certain month the unemployment rate is 6.9 percent based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent based on a total of 94,254,000 in the civilian labor force for the month. First, the standard error on the average of the two estimates, 6.5 percent with a base

of 94,965,000, is obtained from table F (0.11 percentage point). The appropriate factor then from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.11 \times 1.40 = 0.15$ percentage point.

The approximate standard error of levels involving year-to-year change of quarterly estimates pertaining to CPS earnings data for persons and families may be obtained by using table K in conjunction with the following formula:

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

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

Illustration:

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

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

or about 259,000.

Table C. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	OCCUPATION		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Craft and kindred workers	0.33	0.37
Both sexes, 16-19 years .....	.57	.67	Operatives, except transport .....	.44	.50
White workers .....	.12	.12	Transport equipment operatives .....	.70	.77
Black (and other) workers .....	.46	.49	Nonfarm laborers .....	.71	.81
Married men, spouse present .....	.15	.16	Service workers .....	.32	.36
Married women, spouse present .....	.21	.23	Farm workers .....	.54	.62
Full-time workers .....	.12	.13	INDUSTRY		
Part-time workers .....	.32	.40	Nonagricultural private wage and		
Unemployed 15 weeks and over .....	.06	.07	salary workers .....	.13	.13
OCCUPATION			Construction .....	.59	.70
White-collar workers .....	.12	.13	Manufacturing .....	.27	.30
Professional and technical .....	.18	.20	Durable goods .....	.37	.41
Managers and administrators,			Nondurable goods .....	.39	.45
except farm .....	.20	.23	Transportation and public utilities .....	.38	.42
Sales workers .....	.36	.41	Wholesale and retail trade .....	.26	.29
Clerical workers .....	.23	.25	Finance and service industries .....	.17	.19
Blue-collar workers .....	.24	.26	Government workers .....	.20	.23
			Agricultural wage and salary workers	1.07	1.26

Table D. Standard errors for estimates of monthly level

(In thousands)

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

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, or race groups listed, use the standard error for the next larger group, e.g., when determining the standard error on the estimated number of employed persons age 20 to 54 years, use the column for total employed.

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

(In thousands)

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

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons reentering the labor force, persons who left their last job, and persons by duration of unemployment.

Table F. Standard errors for unemployment rates

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

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

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

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

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

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

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

Characteristic	Factor		Characteristic	Factor	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Agricultural employment:			Unemployment:		
Total or full-time labor force	1.26	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 and C tables)

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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

Industry hours and earnings

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

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

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

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

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

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

Overtime hours covers hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded. *Gross average hourly and weekly earnings.* Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers

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

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

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

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

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

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

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

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

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

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

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

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 186 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

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

Benchmark adjustments

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

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months. ¹	Sum of all-employee estimates for component cells.
Production or nonsupervisory workers, women employees	All-employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) estimated ratio of women to all employees. ²	Sum of production- or nonsupervisory-worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production- or nonsupervisory-worker hours divided by number of production or nonsupervisory workers. ²	Average, weighted by production- or nonsupervisory-worker employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production-worker overtime hours divided by number of production workers. ²	Average, weighted by production-worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production- or nonsupervisory-worker payroll divided by total production- or nonsupervisory-worker hours. ²	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Annual average data		
All employees, women employees, and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production- or nonsupervisory-worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production-worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.

¹ The estimates result from multiplying the product shown by bias adjustment factors to compensate for the underrepresentation of newly formed enterprises in the sample and other bias sources.

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

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

various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1981 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 1981 benchmark adjustment is shown in table M.

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

THE SAMPLE

Design

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

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1981

Industry division	Benchmark, March 1981	Estimate, March 1981	Percent difference
Total	90,371,000	90,720,000	-0.4
Mining	1,107,000	1,084,000	2.1
Construction	3,934,000	4,048,000	-2.9
Manufacturing	20,085,000	20,016,000	-4
Transportation and public utilities	5,102,000	5,095,000	.1
Wholesale and retail trade	20,096,000	20,290,000	-1.0
Finance, insurance, and real estate	5,239,000	5,263,000	-5
Services	18,340,000	18,287,000	.3
Government	16,468,000	16,493,000	-2

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

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

Coverage

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

Reliability of the employment estimates

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1981¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	177,500	35,740,500	40
Mining	2,400	387,000	35
Construction	17,300	677,000	17
Manufacturing	45,000	10,951,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	37	459,500	92
Other transportation and public utilities	8,100	2,717,000	53
Wholesale and retail trade	43,900	3,398,000	17
Finance, insurance, and real estate	12,200	1,950,000	37
Services	28,700	3,787,000	21
Government:			
Federal ²	4,900	2,769,000	100
State and local	15,000	8,645,000	63

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,900 reports covering about 60 percent of employment in Federal establishments.

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

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

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

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

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

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

(In percent)

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.3	-	-
Total private .....	.3	0.1	0.2
Mining	1.3	.5	.5
Construction	2.2	.2	.3
Manufacturing .....	.4	.1	.1
Durable goods .....	.4	.1	.1
Nondurable goods .....	.5	.1	.1
Transportation and public utilities .....	.4	.7	.4
Trade .....	.5	.1	.2
Wholesale .....	.7	.2	.3
Retail .....	.6	.2	.2
Finance, insurance, and real estate .....	.5	.2	.4
Services .....	.7	.4	.8
Government ³ .....	.5	-	-

¹ The average percent revision in employment for the following benchmarks: 1971, 1974, 1978, 1979, 1980 and 1981.

² Relative errors relate to March 1971 data.

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

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

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

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

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to March 1971 data.

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

STATISTICS FOR STATES AND AREAS

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

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	84,000	72,000
Goods-producing	39,000	34,000
Mining	5,000	5,000
Construction	18,000	16,000
Manufacturing	31,000	28,000
Durable two-digit industries	6,300	5,700
Nondurable two-digit industries	4,200	3,900
Service-producing	63,000	57,000
Transportation and public utilities	13,000	14,000
Wholesale and retail trade	30,000	27,000
Finance, insurance, and real estate	8,000	7,000
Services	31,000	25,000
Government	50,000	38,000

NOTE: Division level data are based on differences from January 1976 through December 1981. Two-digit industry data are based on differences from January 1981 through February 1982.

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

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

PRODUCTIVITY DATA

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

Definitions

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

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

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

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

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

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

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

Notes on the data

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

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

State and Area Unemployment Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

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

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

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

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

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

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

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

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

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

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

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

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

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

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

Seasonal Adjustment

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

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

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

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

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

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The 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 1982, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1983, and a description of the current seasonal adjustment methodology are published in the January 1983 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1978-82 revision period for a broader range of labor force series also appear in the February 1983 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from 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 1982. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

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

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

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

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

The revised seasonally adjusted series for the establishment data reflect experience through March 1982. Seasonal factors to be used for current adjustment appear in the June 1982 issue of *Employment and Earnings*.

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