



EMPLOYMENT AND EARNINGS

January 1987

J.S. Department of Labor
Bureau of Labor Statistics

In this issue:
1986 annual averages
Revised seasonally adjusted labor force series
Data on union affiliation





U.S. DEPARTMENT OF LABOR

William E. Brock, *Secretary*

BUREAU OF LABOR STATISTICS

Janet L. Norwood, *Commissioner*

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Calendar of Features

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

Household data

Annual averages	Jan.
Union affiliation	Jan.
Revised seasonally adjusted series	Jan., Feb.

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

Establishment data

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

State and area labor force data

Annual averages	May
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¹ The latest supplement was published in June 1986.

Employment and Earnings

Vol. 34 No. 1 January 1987

Editors: Gloria Peterson Green, 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 adjustment factors, seasonally adjusted data for the past 5 years are subject to revision. The data in tables A-1, 2, 3, and 32-53 have been revised to reflect the updated seasonal adjustment factors. Revised monthly data covering the 1982-86 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 civilian labor force and other major series for January-June 1987.

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Employment and Unemployment Developments, December 1986

Employment continued to rise in December and unemployment declined. The overall unemployment rate was 6.6 percent and the civilian worker rate was 6.7 percent; both were down two-tenths of a percentage point from the revised figures for the prior 2 months.

Nonagricultural payroll employment—as measured by the monthly survey of establishments—rose by 270,000 in December while civilian employment—as measured by the monthly survey of households—was up by 205,000. Both employment series showed growth in excess of 2 million during 1986.

Unemployment

The number of unemployed persons declined by 295,000 in December, after adjustment for seasonality, to 7.9 million. After holding steady for 2 months, the civilian jobless rate fell 0.2 percentage point to 6.7 percent. With the exception of December, the unemployment rate fluctuated within two-tenths of the annual average of 7.0 percent throughout 1986. (See table A-33.)

December unemployment rates for adult men (6.0 percent), adult women (5.9 percent), teenagers (17.3 percent), whites (5.8 percent), and blacks (13.7 percent) were slightly below those of the previous month. However, the jobless rate for Hispanics rose to 10.5 percent, offsetting a decline in November. During 1986, jobless rates for adult women, teenagers, whites, and blacks declined, whereas those for adult men and Hispanics showed little or no improvement. (See tables A-33 and A-34.)

The bulk of the December decline in unemployment took place among the medium-term jobless—those out of work 5 to 14 weeks. The mean and median duration of unemployment were about unchanged at 15.0 and 7.1 weeks, respectively. Both measures have changed little over the past year. (See table A-40.)

Civilian employment and the labor force

Civilian employment, at 110.6 million, rose by 205,000 in December. Over the year, total employment advanced by 2.2 million, with adult women accounting for 55 percent of the increase. (All yearly comparisons are adjusted for changes in the underlying population estimates introduced in January 1986.)

The civilian labor force was about unchanged at 118.6 million in December, after seasonal adjustment. Over the past year, the labor force rose by 1.9 million. (See table A-33.)

Discouraged workers

In the fourth quarter of 1986, there were 1.1 million discouraged workers—persons who wanted to work but did not look for jobs because they believed that they could not find any. Their number has been essentially unchanged for more than a year. Seventy-five percent of the discouraged workers cited job-market conditions as their reason for not looking, while the remainder cited personal factors. Blacks continued to make up a disproportionately large share (26 percent) of all discouraged workers. (See table A-53.)

Industry payroll employment

Total nonagricultural payroll employment rose by 270,000 in December, seasonally adjusted, to a level of 101.3 million. For the second month in a row, increases occurred in about three-fifths of the 185 industries in the BLS index of diffusion. (See tables B-4 and B-7.)

The service-producing sector accounted for almost all of the over-the-month job growth, as it has for most months over the past year. The services industry itself posted another large monthly increase—140,000. This industry has accounted for 44 percent of the 2.4 million over-the-year expansion in payroll jobs, largely because of the rapid growth in its business and health services components. Employment also rose over the month in finance, insurance, and real estate. Over the past year, this rapidly growing industry has added 370,000 jobs, a 6 percent increase. Employment in transportation and public utilities, wholesale trade, retail trade, and government were all little changed over the month, after seasonal adjustment.

In the goods-producing sector, manufacturing employment edged up for the third month in a row in December. Since September, manufacturing employment has increased by 85,000, regaining almost half the jobs lost in the first 9 months of the year. Employment in construction was little changed, continuing the recent pattern. In mining, there was a further, although small, job decline in the oil and gas extraction industry, following 2 months of relatively stable employment.

Weekly hours

Average weekly hours of production or nonsupervisory workers on private nonagricultural payrolls were 34.6, down 0.2 hour, after seasonal adjustment. In manufacturing, however, both the average workweek and overtime hours edged up by a tenth of an hour. (See table C-5.)

The index of aggregate weekly hours of production or non-supervisory workers on private nonagricultural payrolls declined by 0.3 percent to 119.0 (1977=100), after seasonal adjustment. The factory index rose by 0.4 percent to 93.6. (See table C-6.)

Hourly and weekly earnings

Average hourly earnings were about unchanged in December, and average weekly earnings declined 0.7 percent, seasonally adjusted. Prior to seasonal adjustment, average hourly earnings slipped 1 cent to \$8.85, while average weekly earnings increased by \$1.43 to \$308.87. Over the past year, average hourly earnings have risen by

14 cents, and average weekly earnings were up \$2.28. (See tables C-1 and C-7.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 170.8 (1977=100) in December, seasonally adjusted, a decrease of 0.1 percent from November. For the 12 months ended in December, the increase was 1.8 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.5 percent during the 12-month period ended in November. (See table C-7.)

Scheduled Release Dates			
Employment and unemployment data are scheduled for initial release on the following dates:			
<i>Reference month</i>	<i>Release date</i>	<i>Reference month</i>	<i>Release date</i>
January	February 6	April	May 8
February	March 6	May	June 5
March	April 3	June	July 2

Revision of Seasonally Adjusted Labor Force Series

*Robert J. McIntire

As pointed out in the explanatory note on seasonal adjustment published at the back 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. The seasonality which the adjustment process endeavors to eliminate is measured by seasonal factors. The seasonal factors used for current adjustment are estimates of how much the original, unadjusted values can be expected to deviate from underlying trend-cycle levels due to annually recurring behavior as projected from average seasonal patterns in the recent past. However, even though seasonality involves regularly recurring patterns, it does tend to change over time, creating a need for periodic reestimation of factors and revision of recently adjusted estimates. By including more recent data in the estimation process, the revision process can provide better estimates of how much the original, unadjusted estimates actually deviated from underlying trend-cycle levels during the recent period, thereby improving the historical seasonally adjusted data for that period. In addition, the new information is incorporated to produce the new projected factors to be used for current seasonal adjustment.

Therefore, at the end of each calendar year, the Bureau of Labor Statistics reestimates the seasonality of the unemployment, employment, and other labor force series derived from the Current Population Survey by including another full year of data in the estimation process. Based on this annual reestimation, BLS issues the projected factors for the first 6 months of the new year as well as revised estimates of historical seasonally adjusted data for the last 5 years. Each year's data are generally subject to five revision cycles before the values are considered final. The fifth and final revisions in the earliest of the 5 years are usually quite small, while the first-time revisions in the most recent year are generally much more substantial, although even these rarely alter the essential trends observed in the initial major estimates. This year's revisions incorporate data through December 1986 and provide revised estimates for January 1982 through December 1986.

Several months of revised data for many of the major seasonally adjusted labor force series have already been

published in the news release on the December 1986 employment situation, issued January 9 (USDL 87-13). This issue of *Employment and Earnings* contains revised data for the last 13 months and quarters for many seasonally adjusted labor force series, including those that appeared in the release. Next month's issue will provide complete 1982-86 revisions for a few hundred of the seasonally adjusted monthly labor force series most in demand. These revisions replace the data published in the February 1986 issue for 1982-85 and the seasonally adjusted estimates for 1986 published during the past year. Seasonally adjusted data for 1981 and earlier years were not revised. Table 1 of this article contains the new projected seasonal factors, to be applied during the first 6 months of 1987 to the 12 component series used in the computation of the seasonally adjusted civilian labor force and unemployment rate (see the section on aggregation procedures later in the article). Projected factors for the last 6 months of 1987 will be estimated in early July, based on data through June 1987, and will be published in the July issue of this publication.

Effect of revisions

One of the criteria used to evaluate alternative methods of seasonal adjustment is how close initial estimates are to later revisions. Policymakers and analysts must make determinations based on current information, and so it is important that the initial estimates of current factors for the seasonal adjustment of major economic series produce estimates of level and change that are as close as possible to the improved estimates that will be made after more data have become available. Even though the revisions currently being released for the 1986 seasonally adjusted data are not final, the first revisions are, as mentioned above, usually the most substantial of the five that will be made and generally indicate the direction any subsequent revisions will take. Therefore, it is appropriate to compare these first revisions with the initial estimates. Table 2 shows the overall and civilian unemployment rates for 1986 as first computed and as revised, as well as the change due to revision. Both of the rates were revised in several months of the year, but the absolute effect of the revisions, based on the rates rounded to the usual one decimal place, never exceeded 0.1 in any of those months. The revised seasonals did dampen by 0.2 the two largest month-to-month changes of the year in the rates as first computed (in January-February and November-December) because of consecutive revisions in opposite directions.

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

Table 1. Current seasonal adjustment factors for the 12 major civilian labor force components, January-June 1987

Procedure and series	January	February	March	April	May	June
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Men, 20 years and over .....	.907	.896	.913	.994	1.044	1.098
Women, 20 years and over ..	.828	.835	.900	.949	1.089	1.157
Men, 16 to 19 years .....	.536	.575	.714	.955	1.218	1.602
Women, 16 to 19 years ..	.529	.564	.695	.740	.919	1.764
Nonagricultural employment:						
Men, 20 years and over .....	.987	.987	.992	.993	1.000	1.006
Women, 20 years and over ..	.996	.997	1.002	1.001	.999	.993
Unemployment:						
Men, 20 years and over	1.155	1.149	1.103	1.027	.966	.966
Women, 20 years and over ..	1.033	1.015	.995	.950	.978	1.007
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Men, 16 to 19 years	-320	-342	-268	187	-56	441
Women, 16 to 19 years ..	-258	-238	-164	194	-174	305
Unemployment:						
Men, 16 to 19 years	-9	3	-37	-92	-59	231
Women, 16 to 19 years ..	-66	-54	-46	-57	7	263

Table 2. Seasonally adjusted unemployment rates in 1986 and change due to revision

Month	As first computed		As revised		Change due to revision	
	Overall	Civilian	Overall	Civilian	Overall	Civilian
January ..	6.6	6.7	6.7	6.8	0.1	0.1
February ..	7.2	7.3	7.1	7.2	-.1	-.1
March ..	7.1	7.2	7.0	7.2	-.1	0
April ..	7.0	7.1	7.0	7.1	0	0
May ..	7.2	7.3	7.1	7.2	-.1	-.1
June ..	7.0	7.1	7.0	7.1	0	0
July	6.8	6.9	6.9	7.0	.1	.1
August	6.7	6.8	6.7	6.8	0	0
September ..	6.9	7.0	6.9	7.0	0	0
October	6.9	7.0	6.8	6.9	-.1	-.1
November ..	6.9	7.0	6.8	6.9	-.1	-.1
December	16.5	16.6	6.6	6.7	.1	.1

¹ These rates were never published; they reflect the use of seasonal factors projected for December 1986 given in the July 1986 issue

of *Employment and Earnings* and were revised before regular publication of December data.

Adjustment methods and procedures

The official seasonal adjustment procedure for the labor force series is the X-11 ARIMA program, which was developed at Statistics Canada during the 1970's as an extension of an improvement to the widely used X-11 method developed at the U.S. Bureau of the Census in the 1960's.¹ The X-11 ARIMA method improves current estimates for

most series by allowing recent observations, especially the last 6 months, to weigh more heavily in the estimates of current and recent seasonal factors than did the X-11 alone. The method provides this improvement through the use of ARIMA models to extend the data series by 12 months. The X-11 algorithm for seasonal adjustment is then applied to the extended series.

ARIMA projections are based only on the past experience observed in a series itself. ARIMA models have proved to have good properties for short-term projection or extrapolation of a large class of time series, especially in a seasonal adjustment context, since the extrapolations tend to track intra-year movements quite well. The ARIMA models in the X-11 ARIMA program used to seasonally adjust the labor

¹ The primary documentation for the X-11 ARIMA procedure is in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum (Statistics Canada Catalogue No. 12-564 E, January 1983). (ARIMA is an acronym for Auto-Regressive Integrated Moving Average.) The X-11 method is described in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, by Julius Shiskin, Alan Young, and John Musgrave (Technical Paper No. 15, Bureau of the Census, 1967).

force series are of the Box-Jenkins type.² They can generally be described with the notations:

(p,d,q)(P,D,Q) TRANSFORMATION,

Where:

- (1) p is the number of regular (nonseasonal) autoregressive parameters
- (2) d is the number of regular differences
- (3) q is the number of regular moving average parameters
- (4) P is the number of seasonal autoregressive parameters
- (5) D is the number of seasonal differences
- (6) Q is the number of seasonal moving average parameters
- (7) TRANSFORMATION may be NONE, LOG, or POWER(n).

While the lettered elements within the parentheses of the model specifications can theoretically take on many values, in practice only small values are useful.

For each labor force series which has been extended based on an ARIMA model, the model has been specifically chosen as well suited to the particular series, based on a set of established criteria. The criteria essentially require a model to: (1) fit the series well, (2) have low average forecasting errors in the last 3 years prior to the projected year, and (3) produce residuals (the differences between the observed values and the values forecast by the model for the observed period) which follow a random pattern. Acceptable ARIMA models have been identified and were used for 174 of the 209 labor force series which were directly adjusted at the end of 1986, including all 12 major civilian labor force components, whose ARIMA models are shown in table 3. The models for two of those major components—nonagricultural employment for men 16 to 19 and unemployment for women 16 to 19—are different from those used last year. The 35 remaining series for which acceptable models have not been identified were simply run through the X-11 part of the program without any ARIMA extrapolations.

The procedures used for adjusting the labor force series within the X-11 part of the process were the same as those followed last year. A 10-year time period, including data from January 1977 through December 1986, was used for the adjustment of all the labor force series, except those relating to the Hispanic-origin population, for which data from January 1980 forward were used.

The X-11 method of seasonal adjustment contained in the X-11 ARIMA procedure assumes that the original series, including the 12 extrapolated observations if an ARIMA model

² For a more detailed discussion of ARIMA models, refer to previously cited Dagum (1983) and to: Box, G.E.P. and Jenkins, G.M., *Time Series Analysis Forecasting and Control* (San Francisco, Holden Day, 1970); and Granger, C.W.J. and Newbold, P., *Forecasting Economic Time Series* (New York, Academic Press, 1977).

Table 3. ARIMA models for the 12 major civilian labor force components, 1987

Series	Model	Transformation
Agricultural employment:		
Men, 20 years and over	(1,0,0) (0,1,1)	LOG
Women, 20 years and over	(0,1,2) (0,1,1)	LOG
Men, 16 to 19 years	(0,1,2) (0,1,1)	NONE
Women, 16 to 19 years	(2,1,2) (0,1,1)	NONE
Nonagricultural employment:		
Men, 20 years and over	(0,1,1) (0,1,1)	LOG
Women, 20 years and over	(0,1,1) (0,1,1)	LOG
Men, 16 to 19 years	(2,1,0) (0,1,1)	NONE
Women, 16 to 19 years	(0,1,1) (0,1,1)	NONE
Unemployment:		
Men, 20 years and over	(2,1,2) (0,1,1)	NONE
Women, 20 years and over	(0,1,1) (0,1,1)	LOG
Men, 16 to 19 years	(0,1,1) (0,1,1)	NONE
Women, 16 to 19 years	(0,1,2) (0,1,1)	NONE

has been applied, is either the product or the sum of three components—trend-cycle, seasonal, and irregular. The method uses either a ratio-to- or difference-from-moving-average approach to estimate the components, depending on whether the multiplicative or additive model is used. The seasonally adjusted series values are computed by dividing each month's original value by the corresponding seasonal factor if the multiplicative model is used, or by subtracting the factor if the additive model is used. Of the 12 major civilian labor force components, the four teenage unemployment and nonagricultural employment series were adjusted using the additive model, and the other eight series with the multiplicative model. Of all the 209 directly adjusted series, 46 were adjusted with the additive model, primarily those involving teenage employment and unemployment, for which the seasonal component seems to be fairly independent of the trend-cycle.

Aggregation procedures

BLS maintains and publishes several hundred seasonally adjusted labor force series in addition to the 209 directly adjusted series discussed above. The additional series are produced by arithmetically combining or aggregating the directly adjusted series with each other or, in some cases, with series on population or resident Armed Forces levels, which are not seasonally adjusted because they are not considered to have any significant seasonal variation. For example, the seasonally adjusted levels of total unemployment, civilian employment, and civilian labor force, and the seasonally adjusted civilian unemployment rate are all produced by aggregation of the seasonally adjusted results for the 12 major civilian labor force components. The seasonally adjusted level of total unemployment is the sum of the seasonally adjusted levels of unemployment for the four age-sex groups—men and women 16 to 19, and men and women 20 years and over. Seasonally adjusted civilian employment is the sum of the seasonally adjusted levels of employment for the eight employment components—the same four age-sex groups as

noted above employed, respectively, in nonagricultural and agricultural industries. The seasonally adjusted civilian labor force is the sum of all 12 of these components. The seasonally adjusted civilian unemployment rate is calculated by taking the total seasonally adjusted unemployment level as a percent of the total seasonally adjusted civilian labor force. For the overall labor force, the resident Armed Forces level is added to the seasonally adjusted civilian labor force, and the seasonally adjusted overall unemployment rate is, of course, calculated by taking total seasonally adjusted unemployment as a percent of that labor force figure.

The principal reason for producing many of the major seasonally adjusted estimates for the labor force by aggregation rather than by direct adjustment is that this approach ensures that the major seasonally adjusted totals will be arithmetically consistent with at least one major set of components. If the totals were directly adjusted along with the components, such consistency would not, in all likelihood, occur, since the X-11 is not a sum-preserving procedure; that is, the sum of the result for two or more directly adjusted series will not generally be the same as the result of directly adjusting the sum of the unadjusted versions of the same series. The various components tend to have significantly different patterns of seasonal variation; for example, teenage unemployment tends to peak in June, while

unemployment of adult men tends to peak in the winter months of January and February. It is necessary to directly adjust the components in order to properly estimate these varying seasonal patterns. Of course, one of the implications of producing seasonally adjusted estimates for many major series by aggregation is that exact factors cannot be projected for those series. However, implicit seasonal factors can be calculated after the fact by taking the ratio of the unadjusted aggregate to the seasonally adjusted aggregate, or, for additive implicit factors, the difference between those two aggregates.

Availability of revised series

As indicated above, much of the revised seasonally adjusted data is being published in this and next month's issues of *Employment and Earnings*. Additional data for any of the several hundred seasonally adjusted labor force series, as well as the January-June 1987 factors for any of the directly adjusted series beyond the 12 major components, can 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 Data Services Group, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics, Washington, D.C. 20212.

A-1. Employment status of the noninstitutional population 16 years and over, 1953 to date

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
1953 ¹	109,287	65,246	59.7	63,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954	110,463	65,785	59.6	62,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955	111,747	67,087	60.0	64,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956	112,919	68,517	60.7	65,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957	114,213	68,877	60.3	66,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958	115,574	69,486	60.1	64,883	1,847	63,036	5,586	57,450	4,602	6.6	46,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 ¹	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,671	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 ¹	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,006	67,762	4,687	63,076	4,070	5.5	50,583	
1964	126,503	75,109	59.4	71,323	2,018	69,305	4,523	64,782	3,786	5.0	51,394	
1965	128,459	76,401	59.5	73,034	1,946	71,088	4,361	66,726	3,366	4.4	52,058	
1966	130,180	77,892	59.8	75,017	2,122	72,895	3,979	68,915	2,875	3.7	52,288	
1967	132,092	79,565	60.2	76,590	2,218	74,372	3,844	70,527	2,975	3.7	52,527	
1968	134,281	80,990	60.3	78,173	2,253	75,920	3,817	72,103	2,817	3.5	53,291	
1969	136,573	82,972	60.8	80,140	2,238	77,902	3,606	74,296	2,832	3.4	53,602	
1970	139,203	84,889	61.0	80,796	2,118	78,678	3,463	75,215	4,093	4.8	54,315	
1971	142,189	86,355	60.7	81,340	1,973	79,367	3,394	75,972	5,016	5.8	55,834	
1972 ¹	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 ¹	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	7,929	8.3	59,377	
1976	157,818	97,826	62.0	90,420	1,668	88,752	3,331	85,421	7,406	7.6	59,991	
1977	160,689	100,665	62.6	93,673	1,656	92,017	3,283	88,734	6,991	6.9	60,025	
1978 ¹	163,541	103,882	63.5	97,679	1,631	96,048	3,387	92,661	6,202	6.0	59,659	
1979	166,460	106,559	64.0	100,421	1,597	98,824	3,347	95,477	6,137	5.8	59,900	
1980	169,349	108,544	64.1	100,907	1,604	99,303	3,364	95,938	7,637	7.0	60,806	
1981	171,775	110,315	64.2	102,042	1,645	100,397	3,368	97,030	8,273	7.5	61,460	
1982	173,939	111,872	64.3	101,194	1,668	99,526	3,401	96,125	10,678	9.5	62,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
1984	178,080	115,241	64.7	106,702	1,697	105,005	3,321	101,685	8,539	7.4	62,839	
1985	179,912	117,167	65.1	108,856	1,706	107,150	3,179	103,971	8,312	7.1	62,744	
1986 ¹	182,293	119,540	65.6	111,303	1,706	109,597	3,163	106,434	8,237	6.9	62,752	
Monthly data, seasonally adjusted ²												
1985:												
December	180,810	118,031	65.3	109,847	1,698	108,149	3,151	104,998	8,184	6.9	62,779	
1986:												
January	181,361	118,485	65.3	110,583	1,691	108,892	3,280	105,612	7,902	6.7	62,876	
February	181,512	118,733	65.4	110,248	1,691	108,557	3,105	105,452	8,485	7.1	62,779	
March	181,678	118,880	65.4	110,500	1,693	108,807	3,252	105,555	8,380	7.0	62,798	
April	181,843	118,987	65.4	110,664	1,695	108,969	3,199	105,770	8,323	7.0	62,856	
May	181,998	119,274	65.5	110,852	1,687	109,165	3,151	106,014	8,422	7.1	62,724	
June	182,183	119,685	65.7	111,293	1,680	109,613	3,164	106,449	8,392	7.0	62,498	
July	182,354	119,789	65.7	111,559	1,672	109,887	3,124	106,763	8,230	6.9	62,565	
August	182,525	119,821	65.6	111,764	1,697	110,067	3,057	107,010	8,057	6.7	62,704	
September	182,713	119,988	65.7	111,703	1,716	109,987	3,142	106,845	8,285	6.9	62,725	
October	182,935	120,163	65.7	111,941	1,749	110,192	3,162	107,030	8,222	6.8	62,772	
November	183,114	120,426	65.8	112,183	1,751	110,432	3,215	107,217	8,243	6.8	62,688	
December	183,297	120,336	65.7	112,387	1,750	110,637	3,161	107,476	7,949	6.6	62,961	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted household survey data shown in tables A-1,2,3 and 32-53 have been revised based on the experience through December 1986. Data for 1982-86 are subject to revision. See the article in this issue for additional information.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1976 to date

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
Annual averages												
MEN												
1976	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	18,585	
1977	76,756	59,959	78.1	56,291	1,563	54,728	2,671	52,057	3,667	6.1	16,797	
1978 ¹	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	16,956	
1979	79,509	62,215	78.2	59,096	1,489	57,607	2,686	54,921	3,120	5.0	17,293	
1980	80,877	62,932	77.8	58,665	1,479	57,186	2,709	54,477	4,267	6.8	17,945	
1981	82,023	63,486	77.4	58,909	1,512	57,397	2,700	54,697	4,577	7.2	18,537	
1982	83,052	63,979	77.0	57,800	1,529	56,271	2,736	53,534	6,179	9.7	19,073	
1983	84,064	64,580	76.8	58,320	1,533	56,787	2,704	54,083	6,260	9.7	19,484	
1984	85,156	65,386	76.8	60,642	1,551	59,091	2,668	56,423	4,744	7.3	19,771	
1985	86,025	65,987	76.7	61,447	1,556	59,891	2,535	57,356	4,521	6.9	20,058	
1986 ¹	87,349	66,973	76.7	62,443	1,551	60,892	2,511	58,381	4,530	6.8	20,376	
Monthly data, seasonally adjusted²												
1985:												
December	86,459	66,173	76.5	61,762	1,549	60,213	2,509	57,704	4,411	6.7	20,286	
1986:												
January	86,882	66,866	76.7	62,392	1,539	60,853	2,552	58,301	4,274	6.4	20,216	
February ¹	86,954	66,737	76.7	62,142	1,539	60,603	2,466	58,137	4,595	6.9	20,217	
March	87,035	66,793	76.7	62,221	1,540	60,681	2,621	58,060	4,572	6.8	20,242	
April	87,120	66,770	76.6	62,253	1,541	60,712	2,572	58,140	4,517	6.8	20,350	
May	87,195	66,854	76.7	62,201	1,533	60,668	2,510	58,158	4,653	7.0	20,341	
June	87,288	66,937	76.7	62,318	1,525	60,793	2,541	58,252	4,619	6.9	20,351	
July	87,373	66,968	76.6	62,402	1,518	60,884	2,486	58,398	4,566	6.8	20,405	
August	87,460	66,911	76.5	62,483	1,541	60,942	2,397	58,545	4,428	6.6	20,549	
September	87,556	67,128	76.7	62,528	1,580	60,968	2,495	58,473	4,600	6.9	20,428	
October	87,682	67,130	76.6	62,585	1,590	60,975	2,513	58,462	4,565	6.8	20,552	
November	87,773	67,407	76.8	62,833	1,592	61,241	2,506	58,735	4,574	6.8	20,366	
December	87,868	67,425	76.7	62,986	1,593	61,393	2,489	58,904	4,439	6.6	20,443	
Annual averages												
WOMEN												
1976	82,476	39,069	47.4	35,701	88	35,615	588	35,027	3,369	8.6	43,406	
1977	83,932	40,705	48.5	37,381	92	37,289	612	36,677	3,324	8.2	43,227	
1978 ¹	85,434	42,731	50.0	39,669	100	39,569	669	38,900	3,061	7.2	42,703	
1979	86,951	44,343	51.0	41,325	108	41,217	661	40,556	3,018	6.8	42,608	
1980	88,472	45,611	51.6	42,241	124	42,117	656	41,461	3,370	7.4	42,861	
1981	89,751	46,829	52.2	43,133	133	43,000	667	42,333	3,696	7.9	42,922	
1982	90,887	47,894	52.7	43,395	139	43,256	665	42,591	4,499	9.4	42,993	
1983	91,827	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
1984	92,924	49,855	53.7	46,061	146	45,915	653	45,262	3,794	7.6	43,068	
1985	93,886	51,200	54.5	47,409	150	47,259	644	46,615	3,791	7.4	42,686	
1986 ¹	94,944	52,588	55.4	48,861	155	48,706	652	48,054	3,707	7.1	42,376	
Monthly data, seasonally adjusted²												
1985:												
December	94,351	51,858	55.0	48,085	149	47,936	642	47,294	3,773	7.3	42,493	
1986:												
January	94,479	51,819	54.8	48,191	152	48,039	728	47,311	3,628	7.0	42,660	
February ¹	94,558	51,996	55.0	48,106	152	47,954	639	47,315	3,890	7.5	42,562	
March	94,643	52,087	55.0	48,279	153	48,126	631	47,495	3,808	7.3	42,556	
April	94,723	52,217	55.1	48,411	154	48,257	627	47,630	3,806	7.3	42,506	
May	94,803	52,420	55.3	48,651	154	48,497	641	47,856	3,769	7.2	42,383	
June	94,895	52,748	55.6	48,975	155	48,820	623	48,197	3,773	7.2	42,147	
July	94,981	52,821	55.8	49,157	154	49,003	638	48,365	3,664	6.9	42,160	
August	95,065	52,910	55.7	49,281	156	49,125	660	48,465	3,629	6.9	42,155	
September	95,156	52,860	55.6	49,175	156	49,019	647	48,372	3,685	7.0	42,296	
October	95,253	53,033	55.7	49,376	159	49,217	649	48,568	3,657	6.9	42,220	
November	95,341	53,019	55.6	49,350	159	49,191	709	48,482	3,669	6.9	42,322	
December	95,429	52,911	55.4	49,401	157	49,244	672	48,572	3,510	6.6	42,518	

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

² The population and Armed Forces figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-3. Employment status of the civilian noninstitutional population 16 years and over, 1953 to date

(Numbers in thousands)

Year and month	Civilian noninstitutional population	Civilian labor force				Unemployment rates		
		Total	Percent of population	Employed	Unemployed	Total	Men	Women
Annual averages								
1953 ¹	107,056	63,015	58.9	61,179	1,834	2.9	2.8	3.3
1954	108,321	63,643	58.8	60,109	3,532	5.5	5.3	6.0
1955	109,683	65,023	59.3	62,170	2,852	4.4	4.2	4.9
1956	110,954	66,552	60.0	63,799	2,750	4.1	3.8	4.8
1957	112,265	66,929	59.6	64,071	2,859	4.3	4.1	4.7
1958	113,727	67,639	59.5	63,036	4,602	6.8	6.8	6.8
1959	115,329	68,369	59.3	64,630	3,740	5.5	5.2	5.9
1960 ¹	117,245	69,628	59.4	65,778	3,852	5.5	5.4	5.9
1961	118,771	70,459	59.3	65,746	4,714	6.7	6.4	7.2
1962 ²	120,153	70,614	58.8	66,702	3,911	5.5	5.2	6.2
1963	122,416	71,833	58.7	67,762	4,070	5.7	5.2	6.5
1964	124,485	73,091	58.7	69,305	3,786	5.2	4.6	6.2
1965	126,513	74,455	58.9	71,088	3,366	4.5	4.0	5.5
1966	128,058	75,770	59.2	72,895	2,875	3.8	3.2	4.8
1967	129,874	77,347	59.6	74,372	2,975	3.8	3.1	5.2
1968	132,028	78,737	59.6	75,920	2,817	3.6	2.9	4.8
1969	134,335	80,734	60.1	77,902	2,832	3.5	2.8	4.7
1970	137,085	82,771	60.4	78,678	4,093	4.9	4.4	5.9
1971	140,216	84,382	60.2	79,367	5,016	5.9	5.3	6.9
1972 ¹	144,126	87,034	60.4	82,153	4,882	5.6	5.0	6.6
1973 ¹	147,096	89,429	60.8	85,064	4,365	4.9	4.2	6.0
1974	150,120	91,949	61.3	86,794	5,156	5.6	4.9	6.7
1975	153,153	93,775	61.2	85,846	7,929	8.5	7.9	9.3
1976	156,150	96,158	61.6	88,752	7,406	7.7	7.1	8.6
1977	159,033	99,009	62.3	92,017	6,991	7.1	6.3	8.2
1978 ¹	161,910	102,251	63.2	96,048	6,202	6.1	5.3	7.2
1979	164,863	104,962	63.7	98,824	6,137	5.8	5.1	6.8
1980	167,745	106,940	63.8	99,303	7,637	7.1	6.9	7.4
1981	170,130	108,670	63.9	100,397	8,273	7.6	7.4	7.9
1982	172,271	110,204	64.0	99,526	10,678	9.7	9.9	9.4
1983	174,215	111,550	64.0	100,834	10,717	9.6	9.9	9.2
1984	176,383	113,544	64.4	105,005	8,539	7.5	7.4	7.6
1985	178,206	115,461	64.8	107,150	8,312	7.2	7.0	7.4
1986 ¹	180,587	117,834	65.3	109,597	8,237	7.0	6.9	7.1
Monthly data, seasonally adjusted ²								
1985:								
December	179,112	116,333	64.9	108,149	8,184	7.0	6.8	7.3
1986:								
January	179,670	116,794	65.0	108,892	7,902	6.8	6.6	7.0
February	179,821	117,042	65.1	108,557	8,485	7.2	7.0	7.5
March	179,985	117,187	65.1	108,807	8,380	7.2	7.0	7.3
April	180,148	117,292	65.1	108,969	8,323	7.1	6.9	7.3
May	180,311	117,587	65.2	109,165	8,422	7.2	7.1	7.2
June	180,503	118,005	65.4	109,613	8,392	7.1	7.1	7.2
July	180,682	118,117	65.4	109,887	8,230	7.0	7.0	7.0
August	180,828	118,124	65.3	110,067	8,057	6.8	6.8	6.9
September	180,997	118,272	65.3	109,987	8,285	7.0	7.0	7.0
October	181,186	118,414	65.4	110,192	8,222	6.9	7.0	6.9
November	181,363	118,675	65.4	110,432	8,243	6.9	6.9	6.9
December	181,547	118,586	65.3	110,637	7,949	6.7	6.7	6.7

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

² The population figures are not adjusted for seasonal variation.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the civilian noninstitutional population by age, sex, and race

(Numbers in thousands)

Age, sex, and race	December 1986										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
TOTAL											
16 years and over	181,547	118,049	65.0	110,588	7,461	6.3	63,498	29,613	9,224	2,708	21,953
16 to 19 years	14,558	7,327	50.3	6,117	1,209	16.5	7,231	505	6,263	18	445
16 to 17 years	7,486	3,079	41.1	2,533	547	17.8	4,407	103	4,149	5	150
18 to 19 years	7,071	4,248	60.1	3,585	663	15.6	2,824	403	2,114	12	295
20 to 24 years	19,249	15,093	78.4	13,609	1,484	9.8	4,155	1,623	1,865	64	603
25 to 54 years	98,010	80,741	82.4	76,483	4,257	5.3	17,271	12,408	1,051	951	2,859
25 to 34 years	41,979	34,897	83.1	32,640	2,257	6.5	7,081	5,197	725	202	957
25 to 29 years	21,403	17,921	83.7	16,663	1,257	7.0	3,482	2,437	473	104	470
30 to 34 years	20,575	16,977	82.5	15,977	999	5.9	3,599	2,759	252	99	488
35 to 44 years	33,134	27,927	84.3	26,651	1,276	4.6	5,207	3,734	259	338	876
35 to 39 years	18,428	15,518	84.2	14,761	757	4.9	2,910	2,108	155	168	485
40 to 44 years	14,706	12,409	84.4	11,890	519	4.2	2,297	1,632	104	170	391
45 to 54 years	22,898	17,915	78.2	17,192	724	4.0	4,982	3,478	68	410	1,025
45 to 49 years	12,052	9,750	80.9	9,352	398	4.1	2,301	1,653	42	187	419
50 to 54 years	10,847	8,165	75.3	7,840	326	4.0	2,681	1,826	26	223	606
55 to 64 years	21,940	11,906	54.3	11,469	438	3.7	10,033	5,329	26	624	4,055
55 to 59 years	11,116	7,197	64.7	6,935	262	3.6	3,918	2,386	16	307	1,210
60 to 64 years	10,824	4,709	43.5	4,534	175	3.7	6,115	2,942	10	317	2,845
65 years and over	27,791	2,982	10.7	2,909	73	2.5	24,809	9,747	18	1,052	13,992
65 to 69 years	9,633	1,801	18.7	1,753	47	2.6	7,832	3,176	7	239	4,411
70 years and over	18,157	1,182	6.5	1,156	26	2.2	16,976	6,571	12	813	9,580
Men											
16 years and over	86,275	65,357	75.8	60,975	4,382	6.7	20,918	587	4,764	1,443	14,124
16 to 19 years	7,302	3,692	50.6	3,016	676	18.3	3,610	23	3,311	6	270
16 to 17 years	3,817	1,492	39.1	1,211	281	18.8	2,325	9	2,225	3	87
18 to 19 years	3,485	2,200	63.1	1,805	396	18.0	1,285	14	1,086	3	182
20 to 24 years	9,324	7,943	85.2	7,075	867	10.9	1,382	35	975	38	334
25 to 54 years	47,875	44,882	93.7	42,394	2,489	5.5	2,993	226	459	606	1,701
25 to 34 years	20,626	19,532	94.7	18,224	1,308	6.7	1,094	91	347	121	536
25 to 29 years	10,512	9,926	94.4	9,209	716	7.2	586	40	242	52	254
30 to 34 years	10,113	9,606	95.0	9,014	591	6.2	508	51	105	69	282
35 to 44 years	16,169	15,309	94.7	14,558	751	4.9	860	75	90	212	483
35 to 39 years	9,009	8,549	94.9	8,097	452	5.3	460	44	51	102	263
40 to 44 years	7,160	6,760	94.4	6,461	299	4.4	400	31	39	110	220
45 to 54 years	11,080	10,042	90.6	9,612	430	4.3	1,039	60	23	273	682
45 to 49 years	5,862	5,431	92.7	5,196	235	4.3	430	25	16	122	267
50 to 54 years	5,219	4,610	88.3	4,416	195	4.2	608	36	7	151	415
55 to 64 years	10,307	7,034	68.2	6,728	306	4.3	3,273	82	11	412	2,768
55 to 59 years	5,291	4,237	80.1	4,046	190	4.5	1,054	46	7	198	804
60 to 64 years	5,017	2,797	55.8	2,682	115	4.1	2,219	36	4	214	1,965
65 years and over	11,466	1,806	15.7	1,782	43	2.4	9,661	221	6	381	9,051
65 to 69 years	4,364	1,086	24.9	1,057	28	2.6	3,278	54	2	121	3,101
70 years and over	7,102	720	10.1	705	15	2.1	6,382	166	6	260	5,950
Women											
16 years and over	95,272	52,692	55.3	49,613	3,079	5.8	42,580	29,026	4,460	1,265	7,829
16 to 19 years	7,256	3,634	50.1	3,102	533	14.7	3,621	483	2,952	11	178
16 to 17 years	3,670	1,587	43.3	1,321	266	16.8	2,083	94	1,924	2	63
18 to 19 years	3,586	2,047	57.1	1,780	267	13.0	1,539	389	1,028	9	113
20 to 24 years	9,924	7,150	72.1	6,534	616	8.6	2,774	1,588	890	27	268
25 to 54 years	50,135	35,857	71.5	34,090	1,768	4.9	14,278	12,182	592	345	1,158
25 to 34 years	21,353	15,366	72.0	14,417	949	6.2	5,967	5,106	378	82	421
25 to 29 years	10,891	7,995	73.4	7,454	541	6.8	2,896	2,397	231	52	216
30 to 34 years	10,462	7,371	70.5	6,963	408	5.5	3,091	2,708	147	30	208
35 to 44 years	16,964	12,618	74.4	12,093	525	4.2	4,347	3,656	169	126	393
35 to 39 years	9,419	6,969	74.0	6,664	305	4.4	2,450	2,057	104	66	222
40 to 44 years	7,546	5,649	74.9	5,429	220	3.9	1,897	1,601	65	60	171
45 to 54 years	11,818	7,874	66.6	7,580	294	3.7	3,944	3,418	45	137	343
45 to 49 years	6,190	4,319	69.8	4,156	163	3.8	1,871	1,628	26	65	152
50 to 54 years	5,628	3,555	63.2	3,424	131	3.7	2,073	1,790	19	72	191
55 to 64 years	11,632	4,872	41.9	4,740	132	2.7	6,760	5,247	15	212	1,286
55 to 59 years	5,825	2,961	50.8	2,889	72	2.4	2,864	2,340	9	109	406
60 to 64 years	5,807	1,912	32.9	1,852	60	3.1	3,895	2,907	6	103	880
65 years and over	16,325	1,177	7.2	1,147	30	2.5	15,148	9,526	11	670	4,940
65 to 69 years	5,269	715	13.6	696	19	2.6	4,554	3,122	5	118	1,310
70 years and over	11,055	462	4.2	451	11	2.4	10,594	6,405	6	553	3,630

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	December 1988										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
WHITE											
16 years and over	156,111	101,983	65.3	96,388	5,596	5.5	54,127	25,905	6,990	2,124	19,107
16 to 19 years	11,889	6,394	53.8	5,486	908	14.2	5,494	393	4,726	14	361
16 to 17 years	6,087	2,743	45.1	2,329	414	15.1	3,344	93	3,111	6	134
18 to 19 years	5,802	3,651	62.9	3,157	494	13.5	2,150	300	1,615	8	227
20 to 24 years	18,089	12,881	80.1	11,840	1,041	8.1	3,208	1,303	1,461	42	402
25 to 54 years	83,727	69,454	83.0	66,214	3,240	4.7	14,273	10,603	771	710	2,188
25 to 34 years	35,474	29,762	83.9	28,138	1,624	5.5	5,713	4,349	518	157	689
25 to 29 years	18,037	15,295	84.8	14,400	894	5.8	2,743	1,988	337	77	341
30 to 34 years	17,437	14,467	83.0	13,737	730	5.0	2,970	2,360	160	80	348
35 to 44 years	28,529	24,173	84.7	23,151	1,022	4.2	4,356	3,257	197	236	666
35 to 39 years	15,793	13,368	84.6	12,783	584	7.2	2,425	1,824	118	123	355
40 to 44 years	12,736	10,805	84.8	10,368	437	4.0	1,931	1,432	78	114	311
45 to 54 years	19,724	15,520	78.7	14,926	594	3.8	4,204	2,996	58	317	833
45 to 49 years	10,352	8,410	81.2	8,090	320	3.8	1,942	1,436	36	143	330
50 to 54 years	9,372	7,110	75.9	6,836	274	4.5	2,262	1,581	23	173	503
55 to 64 years	19,371	10,549	54.5	10,205	344	3.3	8,821	4,756	19	490	3,556
55 to 59 years	9,756	6,334	64.9	6,133	201	3.2	3,423	2,099	13	252	1,058
60 to 64 years	9,614	4,215	43.8	4,073	143	3.4	5,399	2,657	6	238	2,498
65 years and over	25,035	2,705	10.8	2,642	62	2.3	22,331	8,850	12	868	12,600
65 to 69 years	8,599	1,637	19.0	1,600	37	2.3	6,963	2,845	3	181	3,933
70 years and over	16,436	1,068	6.5	1,043	25	2.3	15,368	6,005	9	687	8,667
Men											
16 years and over	74,735	57,176	76.5	53,786	3,390	5.9	17,559	423	3,652	1,132	12,351
16 to 19 years	5,978	3,206	53.6	2,692	515	16.1	2,772	14	2,533	7	218
16 to 17 years	3,110	1,324	42.6	1,108	217	16.4	1,786	7	1,698	3	77
18 to 19 years	2,868	1,882	65.6	1,584	298	15.8	986	7	834	4	141
20 to 24 years	7,869	6,821	86.7	6,168	652	9.6	1,048	21	777	22	228
25 to 54 years	41,390	39,181	94.7	37,232	1,949	5.0	2,209	148	328	452	1,280
25 to 34 years	17,660	16,891	95.6	15,889	1,002	5.9	769	57	248	92	370
25 to 29 years	8,965	8,548	95.3	8,002	546	6.4	417	22	178	36	181
30 to 34 years	8,694	8,343	96.0	7,887	456	5.5	351	35	70	56	189
35 to 44 years	14,081	13,461	95.6	12,865	596	4.4	620	52	60	147	360
35 to 39 years	7,816	7,488	95.8	7,143	345	4.6	328	32	33	76	187
40 to 44 years	6,265	5,973	95.3	5,722	251	4.2	292	20	27	72	173
45 to 54 years	9,649	8,829	91.5	8,478	351	4.0	820	38	20	212	550
45 to 49 years	5,082	4,747	93.4	4,559	188	4.0	335	16	14	98	207
50 to 54 years	4,568	4,082	89.4	3,919	163	4.0	486	22	7	114	342
55 to 64 years	9,154	6,311	68.9	6,074	237	3.7	2,843	53	8	333	2,450
55 to 59 years	4,668	3,761	80.6	3,615	146	3.9	907	28	5	160	715
60 to 64 years	4,486	2,550	56.9	2,459	91	3.6	1,935	25	3	173	1,735
65 years and over	10,344	1,656	16.0	1,619	37	2.2	8,688	188	6	318	8,176
65 to 69 years	3,912	992	25.4	971	21	2.2	2,920	47	2	93	2,778
70 years and over	6,432	664	10.3	648	16	2.3	5,768	141	4	225	5,398
Women											
16 years and over	81,376	44,807	55.1	42,602	2,205	4.9	38,568	25,482	3,338	992	6,756
16 to 19 years	5,910	3,188	53.9	2,794	394	12.3	2,722	379	2,193	7	143
16 to 17 years	2,977	1,419	47.7	1,221	197	13.9	1,558	86	1,413	2	57
18 to 19 years	2,934	1,769	60.3	1,573	196	11.1	1,165	294	781	5	86
20 to 24 years	8,219	6,060	73.7	5,671	388	8.4	2,180	1,283	684	20	174
25 to 54 years	42,337	30,273	71.5	28,982	1,291	4.3	12,064	10,455	443	258	908
25 to 34 years	17,815	12,871	72.2	12,248	622	4.8	4,944	4,292	269	65	319
25 to 29 years	9,072	6,747	74.4	6,396	348	5.2	2,328	1,966	159	41	160
30 to 34 years	8,743	6,124	70.0	5,850	274	4.5	2,819	2,325	110	24	159
35 to 44 years	14,448	10,712	74.1	10,286	426	4.0	3,736	3,205	136	89	306
35 to 39 years	7,977	5,880	73.7	5,640	239	4.1	2,097	1,797	85	47	168
40 to 44 years	6,471	4,832	74.7	4,646	186	3.9	1,639	1,408	51	42	138
45 to 54 years	10,074	6,691	66.4	6,448	243	3.6	3,384	2,958	38	104	283
45 to 49 years	5,270	3,663	69.5	3,531	132	3.6	1,607	1,417	22	45	123
50 to 54 years	4,804	3,028	63.0	2,917	111	3.7	1,776	1,541	16	59	161
55 to 64 years	10,217	4,238	41.5	4,131	107	2.5	5,979	4,704	11	157	1,106
55 to 59 years	5,088	2,573	50.6	2,518	55	2.1	2,515	2,071	9	92	344
60 to 64 years	5,129	1,865	32.5	1,613	52	3.1	3,463	2,632	3	65	763
65 years and over	14,691	1,048	7.1	1,023	25	2.4	13,643	8,662	6	550	4,425
65 to 69 years	4,687	645	13.8	629	18	2.5	4,043	2,798	1	68	1,155
70 years and over	10,004	404	4.0	395	9	2.3	9,600	5,664	5	462	3,269

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-4. Employment status of the civilian noninstitutional population by age, sex, and race—Continued

(Numbers in thousands)

Age, sex, and race	December 1986										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
BLACK											
16 years and over	20,152	12,598	82.5	10,980	1,618	12.8	7,554	2,951	1,646	526	2,431
16 to 19 years	2,142	758	35.4	480	279	38.8	1,383	106	1,196	4	78
16 to 17 years	1,103	261	23.6	139	122	46.9	842	9	820		13
18 to 19 years	1,038	498	47.9	341	157	31.5	541	97	376	4	64
20 to 24 years	2,605	1,839	70.6	1,444	395	21.5	766	288	281	17	180
25 to 54 years	10,994	8,717	79.3	7,859	859	9.9	2,276	1,330	167	211	568
25 to 34 years	5,077	4,070	80.2	3,518	552	13.6	1,008	626	119	42	220
25 to 29 years	2,646	2,096	79.2	1,783	314	15.0	551	333	84	26	107
30 to 34 years	2,431	1,974	81.2	1,735	238	12.1	458	293	35	16	113
35 to 44 years	3,482	2,839	81.5	2,632	207	7.3	642	339	38	86	179
35 to 39 years	2,010	1,658	82.5	1,513	145	8.7	354	183	21	38	111
40 to 44 years	1,472	1,181	80.2	1,120	62	5.2	289	156	17	48	68
45 to 54 years	2,435	1,809	74.3	1,708	100	5.5	626	365	10	83	169
45 to 49 years	1,284	1,001	78.0	936	65	6.5	283	159	6	38	80
50 to 54 years	1,151	807	70.1	772	35	4.3	344	206	3	45	89
55 to 64 years	2,088	1,066	51.0	984	82	7.7	1,022	462	1	121	438
55 to 59 years	1,097	690	62.9	637	53	7.7	407	222	1	49	134
60 to 64 years	991	376	37.9	346	29	7.8	615	240		71	304
65 years and over	2,324	218	9.4	214	3	1.6	2,106	765	1	173	1,167
65 to 69 years	844	122	14.5	121	2	1.6	722	278		57	388
70 years and over	1,479	95	6.4	93	2	2.1	1,383	487	1	117	779
Men											
16 years and over	9,032	6,320	70.0	5,489	831	13.2	2,711	142	797	268	1,506
16 to 19 years	1,052	389	36.9	240	149	38.3	663	9	609	-	46
16 to 17 years	555	127	22.9	68	59	46.5	428	2	418		7
18 to 19 years	496	262	52.7	172	90	34.3	235	7	191		37
20 to 24 years	1,186	936	78.9	760	176	18.8	250	13	131	11	95
25 to 54 years	4,921	4,319	87.8	3,872	448	10.4	601	62	56	131	353
25 to 34 years	2,290	2,060	89.9	1,803	257	12.9	230	23	42	28	137
25 to 29 years	1,195	1,081	90.4	941	140	12.5	115	10	29	15	60
30 to 34 years	1,095	979	89.4	862	117	12.0	116	13	13	13	77
35 to 44 years	1,550	1,371	88.5	1,236	135	9.8	179	16	12	52	99
35 to 39 years	895	800	89.3	702	98	12.2	96	9	5	20	61
40 to 44 years	655	571	87.3	535	37	6.4	83	6	7	32	38
45 to 54 years	1,081	889	82.2	832	57	6.4	193	23	2	51	117
45 to 49 years	570	487	85.5	451	37	7.5	83	9	2	19	53
50 to 54 years	511	401	78.5	381	20	5.0	110	13		32	64
55 to 64 years	938	555	59.2	496	59	10.6	383	26	1	70	286
55 to 59 years	495	368	74.4	331	37	10.1	127	14	1	33	79
60 to 64 years	443	187	42.2	165	21	11.3	256	11		37	207
65 years and over	935	121	13.0	120	1	.5	814	32		56	726
65 to 69 years	366	71	19.4	70	1	(¹)	295	8		27	261
70 years and over	568	50	8.8	50		(¹)	518	24		30	465
Women											
16 years and over	11,120	6,278	56.5	5,491	787	12.5	4,843	2,811	849	258	925
16 to 19 years	1,090	370	33.9	240	130	35.2	721	97	587	4	32
16 to 17 years	548	134	24.4	71	63	47.2	415	7	402		6
18 to 19 years	542	236	43.6	169	67	28.3	306	90	185	4	27
20 to 24 years	1,419	903	63.6	683	220	24.3	516	275	150	6	85
25 to 54 years	6,073	4,398	72.4	3,987	411	9.3	1,675	1,268	111	80	215
25 to 34 years	2,787	2,010	72.1	1,715	295	14.7	777	603	77	14	83
25 to 29 years	1,451	1,015	70.0	842	174	17.1	436	323	55	11	47
30 to 34 years	1,336	995	74.4	873	121	12.2	342	280	22	3	36
35 to 44 years	1,932	1,468	76.0	1,396	72	4.9	464	323	26	34	80
35 to 39 years	1,115	858	76.9	811	47	5.5	258	174	16	18	50
40 to 44 years	817	610	74.8	585	25	4.1	206	150	10	16	30
45 to 54 years	1,354	920	68.0	876	44	4.7	434	342	8	32	52
45 to 49 years	714	514	72.0	485	28	5.5	200	150	4	19	27
50 to 54 years	640	406	63.5	391	15	3.7	234	193	3	13	25
55 to 64 years	1,150	511	44.4	487	24	4.6	639	436		51	152
55 to 59 years	601	321	53.5	306	15	4.8	280	208		17	55
60 to 64 years	548	189	34.5	161	8	4.3	359	229		34	97
65 years and over	1,389	97	7.0	94	3	2.9	1,292	733	1	117	441
65 to 69 years	476	51	10.7	51	1	(¹)	427	270		30	127
70 years and over	911	45	5.0	43	2	(¹)	665	463	1	87	314

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-5. Employment status of the black-and-other civilian noninstitutional population by age and sex

(Numbers in thousands)

Age and sex	December 1986								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	25,436	16,065	63.2	14,200	180	14,020	1,865	11.6	9,371
16 to 19 years	2,669	932	34.9	631	9	622	301	32.3	1,737
16 to 17 years	1,399	336	24.0	203	8	197	132	39.4	1,063
18 to 19 years	1,270	597	47.0	428	3	425	169	28.3	673
20 to 24 years	3,160	2,213	70.0	1,770	24	1,748	443	20.0	947
25 to 54 years	14,283	11,285	79.0	10,270	108	10,161	1,017	9.0	2,997
25 to 34 years	6,504	5,136	79.0	4,503	58	4,445	633	12.3	1,368
25 to 29 years	3,366	2,626	78.0	2,262	28	2,235	364	13.9	739
30 to 34 years	3,139	1,336	42.5	2,241	29	2,210	269	20.1	628
35 to 44 years	4,605	3,754	81.5	3,500	33	3,467	254	6.8	851
35 to 39 years	2,635	2,151	81.6	1,978	15	1,983	173	8.0	484
40 to 44 years	1,970	1,604	81.4	1,522	18	1,505	81	5.0	366
45 to 54 years	3,174	2,395	75.5	2,266	17	2,249	129	5.4	779
45 to 49 years	1,700	1,340	78.8	1,263	10	1,252	77	5.7	360
50 to 54 years	1,474	1,055	71.6	1,004	7	996	51	4.8	420
55 to 64 years	2,569	1,357	52.8	1,263	23	1,240	94	6.9	1,212
55 to 59 years	1,360	864	63.5	802	16	786	62	7.1	496
60 to 64 years	1,210	494	40.8	461	7	454	33	6.6	716
65 years and over	2,756	278	10.1	267	16	251	11	4.0	2,478
65 to 69 years	1,034	163	15.8	154	4	150	10	8.1	871
70 years and over	1,721	114	6.6	113	12	101	9	7.9	1,607
Men									
16 years and over	11,540	8,181	70.9	7,189	152	7,037	992	12.1	3,359
16 to 19 years	1,324	486	36.7	324	9	315	162	33.3	838
16 to 17 years	706	167	23.7	104	6	98	64	38.1	539
18 to 19 years	617	318	51.5	220	3	218	98	30.7	299
20 to 24 years	1,455	1,122	77.1	907	21	886	215	19.2	333
25 to 54 years	6,485	5,701	87.9	5,162	90	5,071	540	9.5	784
25 to 34 years	2,966	2,641	89.0	2,335	44	2,291	306	11.6	325
25 to 29 years	1,547	1,378	89.1	1,207	22	1,186	171	12.4	169
30 to 34 years	1,419	1,263	89.0	1,128	22	1,105	135	10.7	156
35 to 44 years	2,088	1,848	88.5	1,693	31	1,662	155	8.4	240
35 to 39 years	1,193	1,061	88.9	954	15	939	107	10.1	132
40 to 44 years	895	787	88.0	739	15	724	48	6.1	108
45 to 54 years	1,431	1,212	84.7	1,134	15	1,118	79	6.5	218
45 to 49 years	780	684	87.7	637	9	628	47	6.9	96
50 to 54 years	651	528	81.2	497	7	490	31	6.0	123
55 to 64 years	1,154	723	62.7	654	19	635	89	9.6	431
55 to 59 years	623	476	76.4	431	13	419	44	9.3	147
60 to 64 years	531	247	46.5	223	7	216	25	10.0	284
65 years and over	1,122	149	13.3	143	13	130	6	4.3	973
65 to 69 years	452	93	20.7	86	3	83	7	7.5	359
70 years and over	670	56	8.4	57	10	47		(¹)	614
Women									
16 years and over	13,896	7,884	56.7	7,011	28	6,983	873	11.1	6,012
16 to 19 years	1,345	447	33.2	307	-	307	139	31.2	899
16 to 17 years	693	168	24.3	100	-	100	69	40.7	525
18 to 19 years	652	278	42.7	208	-	208	71	25.4	374
20 to 24 years	1,705	1,091	64.0	863	3	860	228	20.9	614
25 to 54 years	7,798	5,584	71.6	5,108	18	5,090	477	8.5	2,213
25 to 34 years	3,538	2,495	70.5	2,168	14	2,154	327	13.1	1,043
25 to 29 years	1,819	1,248	68.6	1,055	6	1,049	193	15.4	570
30 to 34 years	1,720	1,247	72.5	1,113	7	1,105	134	10.8	472
35 to 44 years	2,517	1,906	75.7	1,807	2	1,805	99	5.2	610
35 to 39 years	1,442	1,090	75.6	1,024	-	1,024	66	6.0	352
40 to 44 years	1,075	817	76.0	783	3	781	33	4.1	258
45 to 54 years	1,743	1,183	67.9	1,132	2	1,131	51	4.3	560
45 to 49 years	920	656	71.3	626	1	624	30	4.6	264
50 to 54 years	823	527	64.0	507	-	506	20	3.8	297
55 to 64 years	1,415	634	44.8	609	4	605	25	4.0	781
55 to 59 years	737	388	52.6	371	3	367	17	4.4	349
60 to 64 years	678	246	36.3	238	-	238	8	3.2	432
65 years and over	1,633	128	7.9	124	3	121	5	3.8	1,505
65 to 69 years	582	70	12.1	66	1	67	3	(¹)	512
70 years and over	1,051	58	5.5	56	2	54	2	(¹)	893

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
TOTAL								
Civilian noninstitutional population	179,112	181,547	77,651	78,973	86,988	88,016	14,474	14,558
Civilian labor force	115,780	118,049	60,379	61,665	48,030	49,057	7,370	7,327
Percent of population	64.6	65.0	77.8	78.1	55.2	55.7	50.9	50.3
Employed	108,063	110,588	56,767	57,959	45,274	46,512	6,022	6,117
Agriculture	2,809	2,826	2,115	2,128	521	545	172	153
Nonagricultural industries	105,254	107,762	54,652	55,831	44,752	45,966	5,850	5,964
Unemployed	7,717	7,461	3,612	3,706	2,757	2,546	1,349	1,209
Unemployment rate	6.7	6.3	6.0	6.0	5.7	5.2	18.3	16.5
Not in labor force	63,332	63,498	17,272	17,309	38,957	38,959	7,103	7,231
White								
Civilian noninstitutional population	154,327	156,111	67,718	68,757	74,745	75,465	11,864	11,889
Civilian labor force	100,090	101,983	52,902	53,970	40,789	41,619	6,399	6,394
Percent of population	64.9	65.3	78.1	78.5	54.6	55.2	53.9	53.8
Employed	94,385	96,388	50,169	51,094	38,795	39,808	5,422	5,486
Agriculture	2,629	2,646	1,968	1,985	498	517	163	144
Nonagricultural industries	91,756	93,741	48,201	49,109	38,297	39,291	5,258	5,342
Unemployed	5,704	5,596	2,733	2,876	1,994	1,812	977	908
Unemployment rate	5.7	5.5	5.2	5.3	4.9	4.4	15.3	14.2
Not in labor force	54,237	54,127	14,816	14,787	33,956	33,846	5,465	5,494
Black								
Civilian noninstitutional population	19,819	20,152	7,808	7,980	9,864	10,030	2,147	2,142
Civilian labor force	12,445	12,598	5,796	5,932	5,835	5,908	814	758
Percent of population	62.8	62.5	74.2	74.3	59.2	58.9	37.9	35.4
Employed	10,681	10,980	5,044	5,249	5,169	5,251	469	480
Agriculture	145	142	124	117	14	17	8	7
Nonagricultural industries	10,536	10,838	4,921	5,132	5,154	5,234	461	472
Unemployed	1,764	1,618	752	683	667	657	345	279
Unemployment rate	14.2	12.8	13.0	11.5	11.4	11.1	42.4	36.8
Not in labor force	7,375	7,554	2,012	2,049	4,029	4,122	1,333	1,383

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	December 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL ENROLLED										
Total, 16 to 24 years	15,415	7,282	47.2	6,451	1,168	5,283	831	118	713	11.4
16 to 19 years	10,848	4,572	42.1	3,907	319	3,589	665	47	618	14.5
20 to 24 years	4,568	2,710	59.3	2,544	849	1,694	167	72	95	6.1
High school	8,140	3,307	40.6	2,738	149	2,589	568	44	524	17.2
College	7,276	3,976	54.6	3,713	1,019	2,694	263	74	188	6.6
Full-time students	6,277	3,072	48.9	2,836	438	2,398	236	60	175	7.7
Part-time students	999	904	90.5	877	581	298	27	14	13	3.0
Men, 16 to 24 years	7,871	3,595	45.7	3,140	595	2,545	455	62	393	12.7
16 to 19 years	5,552	2,237	40.3	1,887	174	1,713	350	18	331	15.6
20 to 24 years	2,319	1,358	58.6	1,252	421	831	106	44	62	7.8
High school	4,276	1,657	38.8	1,360	83	1,277	297	21	276	17.9
College	3,595	1,937	53.9	1,780	512	1,268	158	41	117	8.1
Full-time students	3,159	1,526	48.3	1,387	241	1,146	139	35	105	9.1
Part-time students	436	412	94.3	393	271	122	18	6	12	4.5
Women, 16 to 24 years	7,545	3,688	48.9	3,312	573	2,738	376	56	320	10.2
16 to 19 years	5,296	2,335	44.1	2,020	145	1,875	315	28	287	13.5
20 to 24 years	2,248	1,352	60.1	1,291	428	863	61	28	33	4.5
High school	3,864	1,650	42.7	1,379	66	1,312	271	23	248	16.4
College	3,681	2,038	55.4	1,933	507	1,426	105	33	72	5.1
Full-time students	3,118	1,546	49.6	1,450	197	1,252	96	25	71	6.2
Part-time students	562	492	87.8	484	310	174	9	8	1	1.8
White										
Total, 16 to 24 years	12,583	6,359	50.5	5,727	992	4,735	631	82	549	9.9
16 to 19 years	8,790	4,029	45.8	3,532	278	3,254	497	32	466	12.3
20 to 24 years	3,793	2,329	61.4	2,195	715	1,481	134	50	84	5.7
Men	6,482	3,168	48.9	2,805	505	2,301	362	42	321	11.4
Women	6,101	3,191	52.3	2,922	488	2,434	269	40	229	8.4
High school	6,460	2,897	44.8	2,478	125	2,352	419	29	390	14.5
College	6,123	3,462	56.5	3,250	867	2,383	212	53	160	6.1
Full-time students	5,278	2,694	51.0	2,504	370	2,134	190	42	148	7.0
Part-time students	845	768	90.9	746	497	249	22	11	12	2.9
Black										
Total, 16 to 24 years	2,108	661	31.4	492	130	362	169	22	148	25.6
16 to 19 years	1,584	410	25.9	255	29	225	155	12	142	37.8
20 to 24 years	523	252	48.1	237	101	137	14	9	5	5.7
Men	1,021	296	28.9	224	62	162	71	8	64	24.1
Women	1,086	366	33.6	268	68	200	98	14	84	26.8
High school	1,321	324	24.5	187	18	169	137	10	128	42.4
College	787	337	42.8	305	112	193	32	12	20	9.4
Full-time students	676	241	35.6	212	55	157	29	10	19	12.1
Part-time students	110	96	87.2	94	58	36	3	2	1	2.8
Hispanic origin										
Total, 16 to 24 years	1,171	469	40.0	383	89	294	85	17	68	18.2
16 to 19 years	821	238	29.0	183	7	176	55	2	53	23.1
20 to 24 years	351	231	65.8	200	83	118	30	15	15	13.1
Men	582	242	41.5	185	45	140	57	14	43	23.6
Women	590	227	38.5	199	45	154	28	3	25	12.5
High school	706	197	27.9	146	16	130	51	5	46	25.8
College	466	272	58.3	237	74	164	34	12	22	12.7
Full-time students	371	187	50.4	155	21	134	32	11	21	17.2
Part-time students	95	85	89.5	82	53	29	2	1	1	2.7

See footnotes at end of table.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-7. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	December 1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	18,391	15,137	82.3	13,276	11,302	1,973	1,862	1,700	162	12.3
16 to 19 years	3,710	2,755	74.3	2,210	1,601	609	545	490	55	19.8
20 to 24 years	14,681	12,383	84.3	11,066	9,701	1,365	1,317	1,211	107	10.6
Less than 4 years of high school	4,354	2,812	64.6	2,122	1,622	500	690	624	66	24.5
4 years of high school	9,646	8,251	85.5	7,329	6,232	1,096	922	845	77	11.2
1 to 3 years of college	2,970	2,684	90.4	2,500	2,217	283	185	166	19	6.9
4 years of college or more	1,420	1,390	97.9	1,326	1,231	94	64	65	-	4.6
Men, 16 to 24 years	8,756	8,040	91.8	6,952	6,217	734	1,089	1,044	44	13.5
16 to 19 years	1,750	1,456	83.2	1,129	884	245	327	306	20	22.4
20 to 24 years	7,005	6,585	94.0	5,823	5,333	489	762	738	24	11.6
Less than 4 years of high school	2,233	1,845	82.7	1,422	1,171	251	423	404	19	22.9
4 years of high school	4,615	4,347	94.2	3,811	3,459	352	536	510	26	12.3
1 to 3 years of college	1,271	1,219	95.9	1,124	1,028	95	95	96	-	7.8
4 years of college or more	637	629	98.7	595	560	35	34	34	-	5.4
Women, 16 to 24 years	9,635	7,097	73.7	6,324	5,085	1,239	773	656	117	10.9
16 to 19 years	1,960	1,299	66.3	1,081	717	364	218	183	35	16.8
20 to 24 years	7,676	5,798	75.5	5,243	4,368	875	555	472	83	9.6
Less than 4 years of high school	2,121	967	45.6	700	451	248	267	220	47	27.6
4 years of high school	5,031	3,904	77.6	3,518	2,774	744	386	335	51	9.9
1 to 3 years of college	1,700	1,466	86.2	1,376	1,188	188	90	70	20	6.1
4 years of college or more	783	761	97.2	730	672	59	30	31	-	4.0
White										
Total, 16 to 24 years	15,394	12,916	83.9	11,599	9,951	1,648	1,318	1,195	123	10.2
16 to 19 years	3,099	2,365	76.3	1,954	1,429	526	411	363	48	17.4
20 to 24 years	12,296	10,551	85.8	9,644	8,522	1,122	907	831	76	8.6
Men	7,366	6,860	93.1	6,055	5,474	581	805	773	31	11.7
Women	8,029	6,057	75.4	5,544	4,477	1,067	513	422	92	8.5
Less than 4 years of high school	3,573	2,417	67.7	1,887	1,455	432	530	475	55	21.9
4 years of high school	8,072	7,007	86.8	6,365	5,463	902	641	584	58	9.2
1 to 3 years of college	2,474	2,243	90.7	2,143	1,917	226	99	88	11	4.4
4 years of college or more	1,275	1,250	98.0	1,203	1,116	87	47	48	-	3.8
Black										
Total, 16 to 24 years	2,639	1,936	73.4	1,431	1,138	294	505	467	38	26.1
16 to 19 years	557	349	62.6	225	154	70	124	117	7	35.6
20 to 24 years	2,082	1,587	76.2	1,206	983	223	381	350	31	24.0
Men	1,216	1,029	84.6	776	637	139	253	241	12	24.6
Women	1,423	907	63.8	655	501	155	252	226	26	27.7
Less than 4 years of high school	717	367	51.2	214	152	61	154	143	10	41.8
4 years of high school	1,410	1,105	78.4	848	670	178	258	238	20	23.3
1 to 3 years of college	416	370	88.9	290	241	49	80	71	8	21.6
4 years of college or more	96	94	97.2	79	74	5	14	14	-	15.1
Hispanic origin										
Total, 16 to 24 years	2,091	1,539	73.6	1,325	1,100	225	214	189	25	13.9
16 to 19 years	486	288	59.2	221	148	74	66	61	5	23.1
20 to 24 years	1,605	1,251	78.0	1,104	952	151	148	128	20	11.8
Men	1,095	976	89.1	841	737	104	134	129	6	13.8
Women	996	564	56.6	484	364	120	80	60	19	14.1
Less than 4 years of high school	1,065	697	65.4	586	472	114	110	99	12	15.8
4 years of high school	782	626	80.1	530	453	77	97	85	12	15.4
1 to 3 years of college	206	180	87.4	177	146	31	3	1	1	1.5
4 years of college or more	38	36	(²)	32	29	3	4	4	-	(²)

¹ Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

² Data not shown where base is less than 75,000.

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

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

A-8. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Dec. 1985	Dec. 1986	Total		Employed		Unemployed			
			Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Number		Percent of labor force	
	Dec. 1985	Dec. 1986					Dec. 1985	Dec. 1986		
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,675	7,792	7,158	7,256	6,768	6,901	390	355	5.4	4.9
30 to 44 years	6,426	6,314	6,179	6,043	5,835	5,721	344	322	5.6	5.3
30 to 34 years	1,293	1,045	1,241	990	1,138	911	103	79	8.3	8.0
35 to 39 years	3,181	2,857	3,074	2,746	2,900	2,602	174	144	5.7	5.2
40 to 44 years	1,952	2,412	1,864	2,307	1,797	2,208	67	99	3.6	4.3
45 years and over	1,249	1,478	979	1,213	933	1,180	46	33	4.7	2.7
NONVETERANS										
Total, 30 to 44 years	17,707	18,886	16,713	17,841	15,808	16,901	905	940	5.4	5.3
30 to 34 years	8,063	8,653	7,664	8,220	7,234	7,759	430	461	5.6	5.6
35 to 39 years	5,303	5,946	4,985	5,609	4,718	5,307	267	302	5.4	5.4
40 to 44 years	4,341	4,287	4,064	4,012	3,856	3,835	208	177	5.1	4.4

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data

are limited to those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-9. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

Sex, age, and race	December 1986							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	91,016	89,316	1,700	19,572	15,778	3,794	6,102	1,359
16 to 19 years	1,921	1,804	117	4,198	3,781	417	536	673
16 to 17 years	216	202	14	2,317	2,232	85	108	439
18 to 19 years	1,704	1,601	103	1,881	1,549	332	429	234
20 years and over	89,096	87,513	1,583	15,375	11,997	3,378	5,565	686
20 to 24 years	10,550	10,260	290	3,059	2,331	728	1,282	201
25 years and over	78,545	77,252	1,293	12,316	9,666	2,650	4,284	485
25 to 54 years	67,482	66,404	1,078	9,001	6,798	2,203	3,901	355
55 years and over	11,063	10,848	215	3,315	2,868	447	382	130
Men, 16 years and over	54,525	53,474	1,051	6,450	4,971	1,479	3,773	609
16 to 19 years	1,057	991	66	1,959	1,777	182	325	351
20 years and over	53,467	52,482	985	4,492	3,194	1,298	3,449	257
20 to 24 years	5,754	5,558	196	1,320	1,000	320	782	85
25 years and over	47,714	46,925	789	3,171	2,194	977	2,666	171
25 to 54 years	40,601	39,930	671	1,793	1,015	778	2,396	92
55 years and over	7,111	6,994	117	1,378	1,179	199	270	79
Women, 16 years and over	36,492	35,843	649	13,122	10,807	2,315	2,328	751
16 to 19 years	862	812	50	2,239	2,004	235	211	321
20 years and over	35,629	35,030	599	10,883	8,803	2,080	2,117	429
20 to 24 years	4,796	4,702	94	1,739	1,331	408	500	116
25 years and over	30,834	30,328	506	9,144	7,472	1,672	1,616	314
25 to 54 years	26,882	26,474	408	7,209	5,783	1,426	1,505	263
55 years and over	3,952	3,854	98	1,935	1,689	246	111	51
White								
Men, 16 years and over	48,186	47,292	894	5,599	4,446	1,153	2,895	495
16 to 19 years	937	879	58	1,754	1,607	147	231	283
20 years and over	47,250	46,414	836	3,845	2,839	1,006	2,663	212
20 to 24 years	5,042	4,876	166	1,127	878	249	584	69
25 years and over	42,207	41,537	670	2,718	1,961	757	2,080	143
25 to 54 years	35,754	35,190	564	1,478	875	603	1,872	77
55 years and over	6,454	6,348	106	1,239	1,085	154	208	66
Women, 16 years and over	30,865	30,339	526	11,738	9,854	1,884	1,625	581
16 to 19 years	770	727	43	2,025	1,824	201	164	230
20 years and over	30,095	29,612	483	9,713	8,030	1,683	1,461	351
20 to 24 years	4,196	4,127	69	1,476	1,153	323	298	90
25 years and over	25,899	25,485	414	8,236	6,876	1,360	1,162	261
25 to 54 years	22,446	22,114	332	6,536	5,368	1,168	1,072	219
55 years and over	3,453	3,371	82	1,700	1,508	192	91	41
Black								
Men, 16 years and over	4,826	4,699	127	662	383	279	735	97
16 to 19 years	100	92	8	141	111	30	83	66
20 years and over	4,727	4,607	120	522	273	249	652	31
20 to 24 years	600	571	29	161	95	66	166	10
25 years and over	4,129	4,037	92	361	178	183	488	20
25 to 54 years	3,629	3,545	84	241	99	142	435	13
55 years and over	499	492	7	119	79	40	53	7
Women, 16 years and over	4,431	4,334	97	1,061	672	389	630	157
16 to 19 years	84	78	6	155	124	31	46	84
20 years and over	4,346	4,256	90	905	547	358	583	73
20 to 24 years	484	460	24	199	117	82	193	26
25 years and over	3,861	3,795	66	707	431	276	389	46
25 to 54 years	3,478	3,427	51	510	281	229	372	37
55 years and over	383	368	15	198	150	48	17	9

¹ Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

A-10. Employment status of persons in families by family relationship

(Numbers in thousands)

Family relationship	December 1986									
	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 ¹	96,428	65.4	90,251	6,177	6.4	50,929	24,187	8,450	1,981	16,311
Husbands	39,829	78.6	38,145	1,684	4.2	10,864	223	199	785	9,657
With employed wife	24,824	92.0	23,888	936	3.8	2,173	98	115	285	1,675
With unemployed wife	1,035	92.3	898	138	13.3	86	3	1	17	66
With wife not in labor force	13,970	61.9	13,359	610	4.4	8,605	122	83	483	7,916
Wives	28,118	55.5	26,997	1,121	4.0	22,574	18,929	404	304	2,937
With employed husband	24,785	65.0	23,888	898	3.6	13,359	12,018	360	128	853
With unemployed husband	1,074	63.8	936	138	12.8	610	549	9	11	42
With husband not in labor force	2,259	20.8	2,173	86	3.8	8,605	6,363	35	164	2,042
Relatives in married-couple families	13,180	61.8	11,715	1,465	11.1	8,163	849	5,734	288	1,291
16 to 19 years	4,776	49.6	4,155	621	13.0	4,846	131	4,467	8	240
20 to 24 years	4,994	76.9	4,492	502	10.0	1,502	141	1,128	26	207
25 years and over	3,410	65.3	3,068	342	10.0	1,815	577	139	254	844
Women who maintain families	6,486	61.5	5,888	599	9.2	4,054	2,943	170	202	739
Relatives in families maintained by women	5,389	59.3	4,455	934	17.3	3,693	818	1,598	263	1,013
16 to 19 years	1,397	47.4	1,010	388	27.8	1,549	94	1,298	7	150
20 to 24 years	1,608	75.5	1,355	254	15.8	523	125	229	18	150
25 years and over	2,382	59.5	2,090	292	12.3	1,621	599	71	238	713
Men who maintain families	1,899	75.8	1,747	141	7.5	601	58	33	69	442
Relatives in families maintained by men	1,538	61.1	1,305	232	15.1	980	367	312	70	231
16 to 19 years	265	48.3	212	53	20.0	283	33	236	-	14
20 to 24 years	426	77.6	363	63	14.9	123	27	60	2	34
25 years and over	846	59.6	730	116	13.7	574	307	16	68	183

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-11. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	4,374	4,382	6.8	6.7	3,344	3,079	6.5	5.8
Married, spouse present	1,813	1,868	4.4	4.5	1,380	1,242	4.8	4.3
Widowed, divorced, or separated	545	525	8.7	8.2	745	676	7.4	6.5
Single (never married)	2,016	1,989	12.0	11.7	1,219	1,161	9.4	8.8
White, 16 years and over	3,291	3,390	5.9	5.9	2,413	2,205	5.5	4.9
Married, spouse present	1,488	1,549	4.0	4.1	1,160	1,010	4.6	3.9
Widowed, divorced, or separated	405	391	7.8	7.3	543	504	6.8	6.1
Single (never married)	1,399	1,451	9.9	10.2	711	691	6.7	6.5
Black, 16 years and over	941	831	15.1	13.2	823	787	13.2	12.5
Married, spouse present	260	240	8.5	7.6	171	176	7.5	7.5
Widowed, divorced, or separated	123	122	13.0	12.6	179	159	9.6	9.0
Single (never married)	557	470	25.1	21.2	473	451	22.9	21.1
Total, 25 years and over	2,768	2,838	5.3	5.3	2,082	1,930	5.1	4.6
Married, spouse present	1,605	1,670	4.1	4.2	1,077	993	4.2	3.7
Widowed, divorced, or separated	519	485	8.6	7.9	663	600	6.9	6.1
Single (never married)	644	684	8.7	8.9	341	337	6.5	6.2
White, 25 years and over	2,117	2,223	4.6	4.7	1,542	1,423	4.5	4.0
Married, spouse present	1,323	1,385	3.8	3.9	903	810	3.9	3.4
Widowed, divorced, or separated	381	353	7.7	6.9	472	442	6.2	5.6
Single (never married)	414	485	6.8	7.6	167	173	4.2	4.2
Black, 25 years and over	553	507	11.4	10.2	467	437	9.5	8.7
Married, spouse present	226	215	7.8	7.2	136	134	6.6	6.1
Widowed, divorced, or separated	121	120	13.0	12.7	172	148	9.5	8.6
Single (never married)	205	172	20.2	16.3	159	156	15.1	14.3

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-12. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	7,717	7,461	6.7	6.3	6.8	6.7	6.5	5.8
Managerial and professional specialty	548	584	2.0	2.1	2.0	2.1	2.0	2.1
Executive, administrative, and managerial	293	287	2.3	2.2	2.1	2.0	2.7	2.5
Professional specialty	255	297	1.8	2.0	1.9	2.3	1.6	1.7
Technical, sales, and administrative support	1,496	1,421	4.2	3.9	3.3	3.5	4.7	4.1
Technicians and related support	106	107	3.1	3.1	2.8	3.3	3.3	2.9
Sales occupations	645	586	4.7	4.1	3.1	3.0	6.3	5.2
Administrative support, including clerical	745	728	4.1	3.9	4.0	4.7	4.1	3.7
Service occupations	1,450	1,302	8.9	8.0	9.1	8.1	8.8	8.0
Private household	72	68	7.0	6.5	(¹)	(¹)	7.3	6.8
Protective service	100	116	5.3	5.8	5.2	5.1	5.6	10.5
Service, except private household and protective	1,278	1,117	9.6	8.5	10.6	9.3	9.1	8.0
Precision production, craft, and repair	1,022	963	7.2	6.7	7.0	6.7	9.2	6.4
Mechanics and repairers	245	236	5.3	5.2	5.2	5.2	8.4	5.2
Construction trades	519	482	9.7	8.9	9.6	8.7	13.7	20.7
Other precision production, craft, and repair	258	246	6.1	5.5	5.3	5.5	8.8	5.3
Operators, fabricators, and laborers	2,023	2,063	10.6	10.8	10.4	10.8	11.4	10.8
Machine operators, assemblers, and inspectors	907	876	10.3	10.2	8.9	9.8	12.1	10.8
Transportation and material moving occupations	448	446	9.1	8.8	9.3	8.9	7.0	7.2
Handlers, equipment cleaners, helpers, and laborers	669	741	12.8	13.7	13.2	13.9	10.8	12.7
Construction laborers	174	208	21.2	24.1	20.4	24.0	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	495	533	11.2	11.7	11.6	11.6	9.7	12.4
Farming, forestry, and fishing	301	288	9.4	9.1	9.4	8.5	9.8	12.0
No previous work experience	833	801						
16 to 19 years	546	513						
20 to 24 years	190	143						
25 years and over	96	145						

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-13. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	7,717	7,461	6.7	6.3	6.8	6.7	6.5	5.8
Nonagricultural private wage and salary workers	5,903	5,770	6.8	6.5	7.0	7.0	6.5	5.9
Mining	95	123	9.8	13.6	10.1	13.9	7.6	11.3
Construction	774	839	13.1	14.1	13.3	14.7	11.0	7.9
Manufacturing	1,580	1,471	7.3	6.8	6.7	6.3	8.4	7.9
Durable goods	969	841	7.4	6.5	7.1	6.4	8.2	6.6
Lumber and wood products	94	51	13.3	7.5	13.1	8.0	14.5	4.8
Furniture and fixtures	63	42	8.5	6.4	9.5	6.8	6.4	5.3
Stone, clay, and glass products	67	56	10.2	9.0	9.6	8.5	12.1	10.3
Primary metal industries	88	86	9.6	10.3	10.0	9.8	6.1	13.9
Fabricated metal products	129	111	9.6	8.5	9.6	9.0	9.5	6.8
Machinery, except electrical	149	142	5.7	5.5	6.0	5.1	5.0	6.8
Electrical machinery, equipment, and supplies	160	138	7.0	6.1	5.2	5.6	9.5	6.9
Transportation equipment	141	149	5.3	5.3	4.7	5.2	7.7	5.5
Automobiles	89	92	7.0	7.0	5.7	6.5	11.9	8.9
Other transportation equipment	52	58	3.7	3.9	3.8	4.1	3.6	2.8
Professional and photographic equipment	25	25	3.5	3.6	2.3	3.3	5.4	4.1
Other durable goods industries	53	42	11.0	7.1	10.0	7.1	12.4	6.7
Nondurable goods	611	630	7.0	7.4	6.0	6.1	8.5	9.1
Food and kindred products	166	181	8.8	9.8	8.0	8.4	10.4	12.6
Textile mill products	56	46	6.8	6.4	6.5	6.2	7.2	6.8
Apparel and other textile products	123	146	10.0	11.5	3.7	7.5	11.7	12.8
Paper and allied products	39	41	5.7	5.8	5.3	5.4	6.8	7.0
Printing and publishing	62	79	3.7	4.6	3.2	3.4	4.3	5.9
Chemicals and allied products	68	70	5.9	6.0	5.9	5.9	5.8	6.1
Rubber and miscellaneous plastics products	55	50	7.4	6.9	6.3	7.0	9.4	6.7
Other nondurable goods industries	41	18	9.6	4.7	9.1	3.9	10.6	7.1
Transportation and public utilities	308	277	4.9	4.3	5.2	4.4	4.2	4.1
Transportation	241	221	5.6	4.9	6.1	5.1	4.1	4.2
Communications and other public utilities	66	57	2.4	2.1	1.9	1.8	3.3	2.6
Wholesale and retail trade	1,619	1,536	7.2	6.7	6.5	6.6	8.0	6.9
Wholesale trade	187	226	4.6	5.3	3.8	5.4	6.3	4.8
Retail trade	1,431	1,310	7.8	7.1	7.4	7.0	8.2	7.1
Finance, insurance, and real estate	207	204	3.1	2.9	3.2	2.9	3.1	2.9
Service industries	1,321	1,318	5.8	5.5	6.2	6.2	5.6	5.1
Professional services	458	454	3.6	3.4	3.1	3.1	3.8	3.5
Other service industries	863	864	8.7	8.3	8.8	8.8	8.6	8.0
Agricultural wage and salary workers	210	238	13.6	14.4	13.7	13.7	13.3	17.0
Government, self-employed, and unpaid family workers	771	651	2.9	2.4	2.9	2.5	2.9	2.4
No previous work experience	833	801	-	-	-	-	-	-

A-14. Unemployed persons by reason for unemployment, sex, and race

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
NUMBER OF UNEMPLOYED												
Total unemployed	7,717	7,461	3,612	3,706	2,757	2,546	1,349	1,209	5,704	5,596	1,764	1,618
Job losers	4,063	3,936	2,585	2,585	1,187	1,106	291	245	3,109	2,995	825	819
On layoff	1,190	1,126	782	774	322	298	86	53	1,035	933	136	166
Other job losers	2,873	2,810	1,803	1,811	865	808	205	192	2,074	2,062	689	653
Job leavers	813	929	334	431	362	369	117	130	656	769	142	132
Reentrants	2,010	1,795	596	563	1,020	910	394	322	1,405	1,330	541	408
New entrants	832	801	98	128	188	161	546	513	532	502	255	260
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	52.6	52.8	71.6	69.8	43.1	43.4	21.6	20.2	54.5	53.5	46.8	50.6
On layoff	15.4	15.1	21.7	20.9	11.7	11.7	6.4	4.4	18.1	16.7	7.7	10.2
Other job losers	37.2	37.7	49.9	48.9	31.4	31.7	15.2	15.8	36.4	36.6	39.1	40.4
Job leavers	10.5	12.5	9.2	11.6	13.1	14.5	8.7	10.7	11.5	13.7	8.0	8.1
Reentrants	26.0	24.1	16.5	15.2	37.0	35.8	29.2	26.6	24.6	23.8	30.7	25.2
New entrants	10.8	10.7	2.7	3.4	6.8	6.3	40.5	42.4	9.3	9.0	14.5	16.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	3.5	3.4	4.3	4.2	2.5	2.2	4.0	3.3	3.1	2.9	6.6	6.5
Job leavers .....	.7	.8	.6	.7	.8	.8	1.6	1.8	.7	.8	1.1	1.0
Reentrants	1.7	1.5	1.0	.9	2.1	1.9	5.3	4.4	1.4	1.3	4.3	3.2
New entrants .....	.7	.7	.2	.2	.4	.3	7.4	7.0	.5	.5	2.1	2.1

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-15. Unemployed persons by reason for unemployment, sex, age, and duration of unemployment

(Percent distribution)

Reason, sex, and age	December 1986						
	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	7,461	100.0	39.8	32.7	27.4	12.8	14.6
Job losers	3,936	100.0	36.8	32.4	30.8	13.0	17.9
On layoff	1,126	100.0	52.4	29.3	18.3	10.4	7.9
Other job losers	2,810	100.0	30.6	33.6	35.8	14.0	21.9
Job leavers	929	100.0	37.0	37.7	25.2	13.5	11.7
Reentrants	1,795	100.0	42.9	32.5	24.5	12.5	12.1
New entrants	801	100.0	51.0	29.3	19.7	11.9	7.8
Men, 20 years and over	3,706	100.0	36.0	32.4	31.6	12.7	18.9
Job losers	2,585	100.0	36.2	31.2	32.6	12.7	19.9
On layoff	774	100.0	54.2	28.0	17.8	10.2	7.6
Other job losers	1,811	100.0	28.5	32.6	38.9	13.8	25.1
Job leavers	431	100.0	36.0	36.4	27.6	13.8	13.8
Reentrants	563	100.0	34.8	34.2	31.1	11.0	20.0
New entrants	128	100.0	38.1	35.5	26.4	14.9	11.5
Women, 20 years and over	2,546	100.0	39.2	32.8	28.0	14.3	13.7
Job losers	1,106	100.0	35.2	33.8	31.0	14.8	16.2
On layoff	298	100.0	44.8	34.3	21.0	11.5	9.5
Other job losers	808	100.0	31.7	33.6	34.6	16.0	18.7
Job leavers	369	100.0	33.6	37.1	29.2	16.5	12.8
Reentrants	910	100.0	45.1	31.5	23.4	13.1	10.4
New entrants	161	100.0	46.8	23.3	30.0	12.3	17.6
Both sexes, 16 to 19 years	1,209	100.0	52.8	33.7	13.5	10.0	3.6
Job losers	245	100.0	50.5	38.3	11.2	7.0	4.2
On layoff	53	100.0	(¹)	(¹)	(¹)	(¹)	(¹)
Other job losers	192	100.0	45.4	43.5	11.2	6.8	4.3
Job leavers	130	100.0	50.2	43.8	6.0	4.0	2.0
Reentrants	322	100.0	51.3	32.4	16.3	13.2	3.1
New entrants	513	100.0	55.6	29.6	14.8	10.9	3.9

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

A-16. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	7,717	7,461	100.0	100.0	6,317	6,102	100.0	100.0
Less than 5 weeks	3,053	2,972	39.6	39.8	2,254	2,196	35.7	36.0
5 to 14 weeks	2,577	2,443	33.4	32.7	2,160	2,034	34.2	33.3
5 to 10 weeks	1,863	1,733	24.1	23.2	1,565	1,462	24.8	24.0
11 to 14 weeks	714	710	9.3	9.5	594	572	9.4	9.4
15 weeks and over	2,088	2,046	27.1	27.4	1,903	1,872	30.1	30.7
15 to 26 weeks	943	954	12.2	12.8	828	869	13.1	14.2
27 weeks and over	1,145	1,092	14.8	14.6	1,076	1,004	17.0	16.5
27 to 51 weeks	429	425	5.6	5.7	410	393	6.5	6.4
52 weeks and over	716	668	9.3	9.0	666	611	10.5	10.0
Average (mean) duration, in weeks	15.5	15.4			17.0	16.8		
Median duration, in weeks	7.2	7.5			8.2	8.4		

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-17. Unemployed persons by sex, age, race, marital status, and duration of unemployment

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	December 1986							Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	7,461	2,972	2,443	954	1,092	15.4	7.5	39.6	39.8	27.1	27.4
16 to 19 years	1,209	639	407	121	43	8.2	4.7	55.9	52.8	15.1	13.5
20 to 24 years	1,484	636	494	190	164	13.2	6.7	38.3	42.9	25.3	23.8
25 to 34 years	2,257	829	774	289	365	16.2	8.0	37.5	36.7	27.8	29.0
35 to 44 years	1,276	425	412	208	231	18.1	9.5	33.9	33.3	31.3	34.4
45 to 54 years	724	261	217	87	159	19.8	9.1	32.6	36.0	34.2	34.0
55 to 64 years	438	149	120	54	116	23.3	10.0	34.0	34.1	37.7	38.6
65 years and over	73	33	20	5	15	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	4,382	1,654	1,449	547	732	17.0	8.0	36.6	37.7	30.1	29.2
16 to 19 years	676	320	248	77	32	9.4	5.7	52.3	47.3	17.3	16.0
20 to 24 years	867	396	273	104	94	13.1	6.0	36.7	45.6	26.2	22.9
25 to 34 years	1,308	445	480	137	245	17.8	8.6	35.0	34.1	30.8	29.3
35 to 44 years	751	231	235	132	154	20.2	10.2	32.2	30.8	33.7	38.0
45 to 54 years	430	145	123	50	111	22.2	9.4	27.0	33.8	42.6	37.6
55 to 64 years	306	99	79	43	85	25.5	10.4	29.5	32.2	39.5	42.0
65 years and over	43	18	12	4	10	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,079	1,318	994	407	360	13.2	6.8	43.4	42.8	23.1	24.9
16 to 19 years	533	319	159	44	11	6.7	4.2	60.4	59.8	12.4	10.4
20 to 24 years	616	240	220	85	70	13.3	7.7	40.2	39.0	24.0	25.2
25 to 34 years	949	384	294	152	119	13.9	7.0	40.5	40.4	23.9	28.6
35 to 44 years	525	194	177	76	77	15.2	8.4	36.2	36.9	27.9	29.3
45 to 54 years	294	115	94	37	47	16.2	8.6	39.9	39.2	23.3	28.7
55 to 64 years	132	51	41	10	30	18.2	9.0	41.0	38.3	35.0	30.9
65 years and over	30	16	8	1	5	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,596	2,307	1,850	687	752	14.5	7.1	40.5	41.2	24.8	25.7
Men	3,390	1,322	1,147	397	524	16.1	7.5	37.8	39.0	27.5	27.2
Women	2,205	985	703	290	227	12.2	6.4	44.2	44.7	21.1	23.5
Black, 16 years and over	1,618	549	521	242	307	18.9	9.2	36.7	33.9	34.4	33.9
Men	831	258	255	131	187	21.5	10.3	33.0	31.1	39.7	38.3
Women	787	290	266	111	119	16.2	8.1	41.0	36.9	28.4	29.3
Men, 16 years and over:											
Married, spouse present	1,868	622	605	260	382	19.1	9.3	33.1	33.3	33.4	34.3
Widowed, divorced, or separated	525	172	180	71	102	18.3	9.3	31.8	32.8	32.5	32.8
Single (never married)	1,989	860	664	216	249	14.7	6.6	41.1	43.2	26.4	23.4
Women, 16 years and over:											
Married, spouse present	1,242	548	418	137	139	12.0	6.3	41.7	44.1	22.0	22.2
Widowed, divorced, or separated	676	232	222	109	112	16.9	9.3	36.4	34.4	28.9	32.7
Single (never married)	1,161	538	353	161	109	12.3	5.9	49.6	46.3	20.8	23.3

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-18. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	December 1986							Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
OCCUPATION											
Managerial and professional specialty	584	218	192	82	92	15.8	8.6	29.6	37.3	33.5	29.7
Technical, sales, and administrative support	1,421	550	444	216	210	14.5	8.0	43.3	38.7	22.6	30.0
Service occupations	1,302	530	458	160	153	13.9	7.3	40.6	40.8	26.6	24.1
Precision production, craft, and repair	963	357	322	106	178	17.6	7.7	36.8	37.1	28.1	29.5
Operators, fabricators, and laborers	2,063	760	675	280	348	17.5	8.2	37.4	36.8	28.7	30.4
Farming, forestry, and fishing	288	135	104	6	44	14.7	6.3	45.3	46.9	21.3	17.2
INDUSTRY¹											
Agriculture	238	113	90	6	29	13.0	6.2	46.4	47.3	18.6	14.8
Construction	859	377	284	94	103	13.1	6.2	39.5	43.9	22.0	23.0
Manufacturing	1,477	502	481	204	290	19.6	8.9	33.2	34.0	33.3	33.4
Durable goods	846	264	262	114	206	22.5	10.1	30.9	31.2	34.5	37.9
Nondurable goods	631	238	220	90	84	15.7	7.7	36.9	37.7	31.5	27.5
Transportation and public utilities	324	126	97	44	57	17.3	8.0	40.5	38.9	26.7	31.1
Wholesale and retail trade	1,540	600	544	193	203	14.3	7.7	42.4	39.0	23.7	25.7
Finance and service industries	1,776	710	581	233	254	14.6	7.6	40.0	40.0	27.2	27.3
Public administration	200	69	49	38	44	19.4	10.6	33.3	34.5	24.8	41.0
No previous work experience	801	409	235	95	63	11.3	4.9	44.8	51.0	28.7	19.7

¹ Includes wage and salary workers only.

A-19. Unemployed jobseekers by sex, age, race, and jobsearch methods used

Sex, age, and race	December 1986								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	7,461	6,246	24.3	6.5	76.1	33.5	17.9	4.9	1.63
16 to 19 years	1,209	1,149	13.1	4.3	82.9	24.4	14.9	3.1	1.43
20 to 24 years	1,484	1,268	27.0	5.0	76.1	34.9	15.6	3.9	1.62
25 to 34 years	2,257	1,861	28.3	7.0	74.9	37.2	19.9	4.6	1.72
35 to 44 years	1,276	1,047	24.8	9.0	74.4	39.5	21.1	5.4	1.74
45 to 54 years	724	527	30.9	8.2	73.1	27.5	15.2	9.9	1.65
55 to 64 years	438	332	19.0	7.5	73.5	29.8	21.1	7.5	1.58
65 years and over	73	61	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Men, 16 years and over	4,382	3,515	28.1	7.2	76.7	33.2	20.1	5.1	1.70
16 to 19 years	676	633	15.3	5.5	85.8	23.7	15.5	2.1	1.48
20 to 24 years	867	724	27.8	4.6	79.6	34.0	18.5	3.5	1.68
25 to 34 years	1,308	1,005	32.9	6.9	74.2	38.0	22.6	4.5	1.79
35 to 44 years	751	600	30.0	11.8	71.0	40.2	23.0	7.7	1.84
45 to 54 years	430	292	41.1	10.3	73.3	24.3	18.2	11.3	1.78
55 to 64 years	306	225	22.2	7.1	76.4	28.4	20.9	8.0	1.63
65 years and over	43	36	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Women, 16 years and over	3,079	2,731	19.3	5.5	75.4	33.9	15.2	4.6	1.54
16 to 19 years	533	515	10.3	2.7	79.4	25.2	14.2	4.3	1.36
20 to 24 years	616	544	25.9	5.3	71.3	36.2	11.8	4.4	1.55
25 to 34 years	949	856	22.7	7.1	75.8	36.3	16.7	4.9	1.64
35 to 44 years	525	447	17.9	5.1	79.0	38.5	18.8	2.5	1.62
45 to 54 years	294	236	17.8	5.5	72.5	31.4	11.9	8.1	1.47
55 to 64 years	132	107	12.1	8.4	67.3	31.8	21.5	6.5	1.48
65 years and over	30	25	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	5,596	4,576	24.1	7.1	76.5	34.6	17.8	5.2	1.65
Men	3,390	2,647	27.9	8.0	76.9	34.3	19.6	5.7	1.72
Women	2,205	1,929	18.9	5.8	75.9	35.0	15.3	4.5	1.55
Black, 16 years and over	1,618	1,450	24.6	4.5	76.3	29.7	16.7	3.9	1.56
Men	831	727	28.2	4.7	76.3	28.5	19.8	2.8	1.60
Women	787	723	20.9	4.4	76.2	31.0	13.6	5.1	1.51

¹ Data not shown where base is less than 75,000.
NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within 30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

A-20. Unemployed jobseekers by sex, reason for unemployment, and jobsearch methods used

Sex and reason	December 1986								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	7,461	6,246	24.3	6.5	76.1	33.5	17.9	4.9	1.63
Job losers ¹	3,936	2,808	30.6	7.6	76.3	33.0	20.8	5.2	1.74
Job leavers	929	946	22.1	7.1	73.6	43.0	13.5	4.2	1.64
Reentrants	1,795	1,694	19.7	5.7	75.4	33.0	16.2	4.9	1.55
New entrants	801	798	14.4	3.4	79.8	25.1	16.8	4.5	1.44
Men, 16 years and over	4,382	3,515	28.1	7.2	76.7	33.2	20.1	5.1	1.70
Job losers ¹	2,765	1,947	32.9	7.7	76.3	32.9	22.0	5.6	1.77
Job leavers	503	510	21.2	8.2	73.3	42.0	17.5	4.1	1.66
Reentrants	723	669	26.5	7.3	76.8	33.0	14.9	4.9	1.64
New entrants	394	390	16.4	3.6	82.1	23.1	22.6	4.1	1.52
Women, 16 years and over	3,079	2,731	19.3	5.5	75.4	33.9	15.2	4.6	1.54
Job losers ¹	1,173	861	25.6	7.4	76.3	33.2	18.0	4.3	1.65
Job leavers	426	436	23.4	5.7	73.9	44.3	8.9	4.4	1.61
Reentrants	1,072	1,025	15.1	4.8	74.5	33.1	17.2	4.9	1.50
New entrants	407	408	12.5	3.2	77.7	27.0	11.3	4.9	1.37

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.
NOTE: The jobseeker total is less than the total unemployed because it does not include persons on layoff or waiting to begin a new job within 30 days, groups for whom jobseeking information is not collected. The percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-21. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
All industries	108,063	110,588	59,775	60,975	48,288	49,613
16 to 19 years	6,022	6,117	3,008	3,016	3,014	3,102
16 to 17 years	2,300	2,533	1,137	1,211	1,163	1,321
18 to 19 years	3,722	3,585	1,871	1,805	1,851	1,780
20 to 24 years	13,930	13,609	7,232	7,075	6,698	6,534
25 to 54 years	73,814	76,483	41,127	42,394	32,687	34,090
25 to 34 years	31,734	32,640	17,710	18,224	14,024	14,417
35 to 44 years	25,444	26,651	13,979	14,558	11,466	12,093
45 to 54 years	16,635	17,192	9,438	9,612	7,197	7,580
55 to 64 years	11,457	11,469	6,706	6,728	4,751	4,740
55 to 59 years	6,914	6,935	4,062	4,046	2,852	2,889
60 to 64 years	4,542	4,534	2,644	2,682	1,898	1,852
65 years and over	2,841	2,909	1,703	1,762	1,139	1,147
Agriculture	2,809	2,826	2,262	2,254	547	572
16 to 19 years	172	153	146	126	26	27
16 to 17 years	63	75	54	59	9	16
18 to 19 years	109	78	92	67	17	11
20 to 24 years	360	315	298	294	62	20
25 to 54 years	1,595	1,720	1,245	1,308	350	412
25 to 34 years	688	763	545	593	143	170
35 to 44 years	475	518	373	387	102	132
45 to 54 years	432	439	327	328	104	110
55 to 64 years	453	384	366	308	87	77
55 to 59 years	229	196	185	155	44	41
60 to 64 years	224	188	181	153	43	36
65 years and over	228	254	206	218	22	36
Nonagricultural industries	105,254	107,762	57,514	58,721	47,740	49,041
16 to 19 years	5,850	5,964	2,862	2,890	2,988	3,074
16 to 17 years	2,237	2,457	1,083	1,152	1,154	1,305
18 to 19 years	3,613	3,507	1,779	1,738	1,834	1,769
20 to 24 years	13,570	13,295	6,934	6,781	6,636	6,514
25 to 54 years	72,219	74,763	39,882	41,086	32,337	33,677
25 to 34 years	31,045	31,878	17,165	17,631	13,881	14,247
35 to 44 years	24,969	26,133	13,605	14,171	11,364	11,962
45 to 54 years	16,204	16,753	9,111	9,283	7,092	7,470
55 to 64 years	11,003	11,084	6,340	6,421	4,663	4,664
55 to 59 years	6,685	6,739	3,877	3,891	2,808	2,848
60 to 64 years	4,318	4,345	2,462	2,529	1,855	1,816
65 years and over	2,613	2,655	1,497	1,544	1,116	1,111

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-22. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total	108,063	110,588	59,775	60,975	56,767	57,959	48,288	49,613	45,274	46,512
Managerial and professional specialty	26,231	27,325	14,912	15,238	14,812	15,170	11,319	12,087	11,189	11,969
Executive, administrative, and managerial	12,287	12,869	7,910	7,917	7,862	7,889	4,377	4,951	4,335	4,902
Officials and administrators, public administration	536	503	339	282	339	282	197	222	198	222
Other executive, administrative, and managerial	8,398	8,630	5,789	5,668	5,741	5,640	2,609	2,962	2,576	2,930
Management-related occupations	3,353	3,735	1,782	1,968	1,782	1,967	1,571	1,767	1,561	1,750
Professional specialty	13,943	14,457	7,002	7,320	6,950	7,281	6,942	7,136	6,854	7,067
Engineers	1,739	1,808	1,623	1,673	1,623	1,671	117	135	117	135
Mathematical and computer scientists	604	648	391	419	389	414	213	230	213	223
Natural scientists	338	371	271	298	271	298	67	72	66	72
Health diagnosing occupations	694	766	600	644	600	644	94	122	95	122
Health assessment and treating occupations	2,045	2,029	294	302	292	300	1,751	1,727	1,748	1,725
Teachers, college and university	667	693	434	442	433	441	233	251	226	245
Teachers, except college and university	3,635	3,669	931	926	925	925	2,704	2,743	2,669	2,709
Lawyers and judges	655	691	546	573	546	573	109	118	109	118
Other professional specialty occupations	3,565	3,782	1,912	2,044	1,872	2,015	1,653	1,738	1,612	1,718
Technical, sales, and administrative support	33,997	35,016	12,011	12,510	11,402	11,890	21,986	22,506	20,385	20,797
Technicians and related support	3,366	3,330	1,790	1,726	1,773	1,687	1,576	1,603	1,556	1,578
Health technologists and technicians	1,153	1,136	193	175	191	175	960	961	952	949
Engineering and science technicians	1,102	1,090	900	861	889	832	202	229	194	221
Technicians, except health, engineering, and science	1,111	1,103	697	691	693	680	414	413	410	408
Sales occupations	13,036	13,853	6,713	7,198	6,339	6,822	6,323	6,654	5,409	5,592
Supervisors and proprietors	3,390	3,658	2,358	2,593	2,338	2,578	1,032	1,065	1,012	1,058
Sales representatives, finance and business services	2,112	2,291	1,233	1,393	1,231	1,371	879	898	853	858
Sales representatives, commodities, except retail	1,547	1,486	1,256	1,188	1,242	1,184	292	298	288	293
Sales workers, retail and personal services	5,904	6,338	1,824	1,991	1,488	1,656	4,079	4,347	3,218	3,339
Sales-related occupations	82	80	42	34	41	33	40	46	39	44
Administrative support, including clerical	17,595	17,833	3,508	3,585	3,290	3,382	14,087	14,249	13,420	13,626
Supervisors	752	758	336	314	337	315	416	443	415	442
Computer equipment operators	781	863	236	270	220	252	545	593	522	568
Secretaries, stenographers, and typists	5,018	4,879	89	84	84	80	4,929	4,795	4,738	4,613
Financial records processing	2,561	2,474	273	267	263	265	2,288	2,207	2,225	2,150
Mail and message distributing	870	932	574	616	528	586	296	316	281	303
Other administrative support, including clerical	7,613	7,928	2,000	2,034	1,858	1,884	5,613	5,894	5,239	5,550
Service occupations	14,787	14,886	5,888	5,919	5,040	5,051	8,899	8,967	7,855	7,940
Private household	955	990	38	46	26	38	917	944	779	769
Protective service	1,800	1,872	1,564	1,624	1,543	1,582	236	248	226	229
Service, except private household and protective	12,031	12,024	4,286	4,249	3,471	3,432	7,745	7,775	6,850	6,942
Food service	5,188	5,165	1,934	1,958	1,310	1,349	3,253	3,208	2,608	2,606
Health service	1,798	1,821	155	194	149	176	1,643	1,627	1,549	1,542
Cleaning and building service	2,863	2,946	1,776	1,727	1,620	1,567	1,087	1,219	1,029	1,158
Personal service	2,182	2,092	421	370	393	339	1,762	1,721	1,664	1,636
Precision production, craft, and repair	13,176	13,449	12,063	12,227	11,794	11,925	1,113	1,222	1,079	1,200
Mechanics and repairers	4,383	4,282	4,229	4,120	4,146	4,025	154	162	148	157
Construction trades	4,826	4,925	4,727	4,848	4,598	4,695	98	77	96	78
Other precision production, craft, and repair	3,967	4,242	3,106	3,259	3,050	3,205	861	982	835	966
Operators, fabricators, and laborers	16,987	17,020	12,462	12,647	11,439	11,643	4,525	4,373	4,336	4,183
Machine operators, assemblers, and inspectors	7,933	7,689	4,668	4,554	4,503	4,415	3,265	3,134	3,168	3,058
Manufacturing industries	6,654	6,317	3,867	3,718	3,749	3,625	2,787	2,599	2,722	2,550
Durable goods	3,750	3,519	2,622	2,467	2,546	2,412	1,127	1,052	1,103	1,039
Nondurable goods	2,904	2,798	1,245	1,251	1,203	1,213	1,660	1,547	1,619	1,511
Nonmanufacturing industries	1,279	1,372	801	836	754	790	478	536	446	509
Transportation and material moving occupations	4,479	4,652	4,048	4,234	3,908	4,090	431	418	418	402
Motor vehicle operators	3,347	3,520	2,954	3,137	2,841	3,009	394	383	380	367
Other transportation and material moving occupations	1,132	1,133	1,095	1,097	1,067	1,081	37	35	37	35
Handlers, equipment cleaners, helpers, and laborers	4,575	4,679	3,746	3,858	3,027	3,138	829	821	750	723
Construction laborers	648	658	630	642	559	577	18	15	15	15
Other handlers, equipment cleaners, helpers, and laborers	3,927	4,021	3,116	3,216	2,468	2,561	812	806	734	707
Farming, forestry, and fishing	2,886	2,892	2,440	2,435	2,280	2,279	446	457	431	423
Farm operators and managers	1,280	1,246	1,112	1,075	1,101	1,062	168	171	168	170
Other farming, forestry, and fishing occupations	1,606	1,646	1,328	1,360	1,179	1,217	278	286	262	252

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-23. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
TOTAL						
Total, 16 years and over (thousands)	108,063	110,588	59,775	60,975	48,288	49,613
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.3	24.7	24.9	25.0	23.4	24.4
Executive, administrative, and managerial	11.4	11.6	13.2	13.0	9.1	10.0
Professional specialty	12.9	13.1	11.7	12.0	14.4	14.4
Technical, sales, and administrative support	31.5	31.7	20.1	20.5	45.5	45.4
Technicians and related support	3.1	3.0	3.0	2.8	3.3	3.2
Sales occupations	12.1	12.5	11.2	11.8	13.1	13.4
Administrative support, including clerical	16.3	16.1	5.9	5.9	29.2	28.7
Service occupations	13.7	13.5	9.9	9.7	18.4	18.1
Private household .....	.9	.9	.1	.1	1.9	1.9
Protective service	1.7	1.7	2.6	2.7	.5	.5
Service, except private household and protective	11.1	10.9	7.2	7.0	16.0	15.7
Precision production, craft, and repair	12.2	12.2	20.2	20.1	2.3	2.5
Operators, fabricators, and laborers	15.7	15.4	20.8	20.7	9.4	8.8
Machine operators, assemblers, and inspectors	7.3	7.0	7.8	7.5	6.8	6.3
Transportation and material moving occupations	4.1	4.2	6.8	6.9	.9	.8
Handlers, equipment cleaners, helpers, and laborers	4.2	4.2	6.3	6.3	1.7	1.7
Farming, forestry, and fishing	2.7	2.6	4.1	4.0	.9	.9
White						
Total, 16 years and over (thousands)	94,385	96,388	52,868	53,786	41,517	42,602
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.3	25.7	26.1	26.0	24.2	25.3
Executive, administrative, and managerial	12.0	12.3	14.0	13.7	9.5	10.5
Professional specialty	13.3	13.4	12.2	12.3	14.8	14.8
Technical, sales, and administrative support	31.9	32.2	20.3	20.9	46.8	46.4
Technicians and related support	3.1	3.0	3.0	2.9	3.2	3.3
Sales occupations	12.7	13.2	11.8	12.5	13.7	14.0
Administrative support, including clerical	16.2	16.0	5.5	5.6	29.8	29.1
Service occupations	12.5	12.2	8.9	8.7	17.1	16.7
Private household .....	.7	.8	.1	.1	1.5	1.7
Protective service	1.6	1.6	2.5	2.5	.4	.4
Service, except private household and protective	10.2	9.8	6.4	6.1	15.1	14.6
Precision production, craft, and repair	12.7	12.6	20.8	20.6	2.3	2.4
Operators, fabricators, and laborers	14.8	14.6	19.7	19.6	8.6	8.2
Machine operators, assemblers, and inspectors	6.9	6.6	7.5	7.2	6.1	5.8
Transportation and material moving occupations	4.0	4.0	6.5	6.5	.9	.8
Handlers, equipment cleaners, helpers, and laborers	3.9	4.0	5.7	5.9	1.6	1.6
Farming, forestry, and fishing	2.8	2.7	4.2	4.1	1.0	1.0
Black						
Total, 16 years and over (thousands)	10,681	10,980	5,289	5,489	5,392	5,491
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.4	15.2	11.8	12.9	17.0	17.5
Executive, administrative, and managerial	6.0	6.3	6.3	6.2	5.7	6.3
Professional specialty	8.4	8.9	5.5	6.7	11.3	11.2
Technical, sales, and administrative support	27.4	27.2	17.4	16.2	37.2	38.3
Technicians and related support	3.0	2.3	2.5	1.8	3.5	2.7
Sales occupations	7.1	7.3	5.7	5.6	8.5	9.0
Administrative support, including clerical	17.3	17.7	9.3	8.7	25.2	26.6
Service occupations	23.5	23.4	18.5	18.3	28.4	28.5
Private household	2.5	1.9	.1	.1	4.9	3.8
Protective service	2.8	2.8	4.7	4.4	.8	1.1
Service, except private household and protective	18.2	18.7	13.6	13.8	22.7	23.6
Precision production, craft, and repair	8.8	9.3	15.3	16.1	2.4	2.5
Operators, fabricators, and laborers	24.1	23.1	33.9	33.3	14.6	12.9
Machine operators, assemblers, and inspectors	10.9	10.2	10.8	10.5	11.0	9.8
Transportation and material moving occupations	5.8	6.6	10.6	11.9	1.0	1.2
Handlers, equipment cleaners, helpers, and laborers	7.5	6.4	12.4	10.9	2.6	1.8
Farming, forestry, and fishing	1.8	1.8	3.2	3.3	.4	.3

A-24. Employed civilians by age, sex, and class of worker

(In thousands)

Age and sex	December 1986								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	99,430	1,167	16,588	81,675	8,088	243	1,417	1,292	117
16 to 19 years	5,889	202	261	5,427	68	7	124	9	20
16 to 17 years	2,420	157	74	2,189	35	2	64	3	8
18 to 19 years	3,469	45	186	3,237	33	5	60	6	12
20 to 24 years	12,982	108	1,136	11,738	286	27	253	53	9
25 to 34 years	29,810	188	4,431	25,192	2,026	41	483	250	30
35 to 44 years	23,760	191	5,103	18,466	2,301	71	228	272	18
45 to 54 years	15,130	190	3,238	11,702	1,577	46	158	270	11
55 to 64 years	9,834	177	2,082	7,574	1,219	32	118	246	20
55 to 59 years	5,992	79	1,326	4,586	728	20	75	109	12
60 to 64 years	3,842	98	756	2,988	491	12	43	137	9
65 years and over	2,025	111	337	1,576	612	18	54	192	8
Men, 16 years and over	53,265	111	7,791	45,363	5,422	34	1,131	1,083	39
16 to 19 years	2,845	25	89	2,731	38	6	100	7	20
16 to 17 years	1,133	17	23	1,092	18	1	49	2	8
18 to 19 years	1,713	8	66	1,638	20	5	51	5	12
20 to 24 years	6,590	7	494	6,089	181	10	238	50	7
25 to 34 years	16,283	21	2,083	14,180	1,341	7	367	219	7
35 to 44 years	12,687	15	2,354	10,317	1,484	1	163	222	1
45 to 54 years	8,178	14	1,571	6,594	1,106	-	122	207	-
55 to 64 years	5,577	9	1,030	4,538	841	3	97	211	-
55 to 59 years	3,396	5	638	2,753	495	-	61	93	-
60 to 64 years	2,181	4	392	1,785	346	3	35	118	-
65 years and over	1,105	19	170	916	432	7	45	169	4
Women, 16 years and over	46,165	1,056	8,796	36,312	2,666	210	286	209	78
16 to 19 years	3,043	177	171	2,696	30	1	25	2	-
16 to 17 years	1,288	139	51	1,097	17	1	15	1	-
18 to 19 years	1,756	37	120	1,599	13	-	10	1	-
20 to 24 years	6,392	100	642	5,650	105	17	15	3	2
25 to 34 years	13,527	167	2,348	11,012	685	34	116	31	23
35 to 44 years	11,074	176	2,748	8,149	817	71	64	50	17
45 to 54 years	6,952	176	1,667	5,109	471	47	36	63	11
55 to 64 years	4,257	168	1,053	3,036	378	29	21	35	20
55 to 59 years	2,596	75	688	1,833	233	19	14	16	11
60 to 64 years	1,661	94	364	1,204	145	10	8	19	9
65 years and over	920	92	167	661	180	11	9	24	4

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-25. Employed civilians by industry and occupation

(In thousands)

Industry	December 1986												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture	2,826	54	64	30	22	117		14	41	9	44	19	2,411
Mining	813	130	86	24	20	74		9	267	25	127	50	-
Construction	6,974	833	129	61	81	442		29	4,084	94	437	774	9
Manufacturing	20,668	2,334	1,701	745	767	2,435		372	4,042	6,317	800	1,084	74
Durable goods	12,540	1,470	1,196	528	283	1,439		218	2,914	3,519	422	490	62
Nondurable goods	8,128	864	504	217	484	996		154	1,128	2,798	378	594	11
Transportation and public utilities	7,988	811	469	265	358	2,190		250	1,405	101	1,694	439	5
Wholesale and retail trade	23,414	1,822	391	94	9,997	2,283		4,259	1,404	364	952	1,816	31
Wholesale trade	4,380	469	66	37	1,709	819		31	275	151	501	308	12
Retail trade	19,034	1,353	325	57	8,288	1,464		4,228	1,129	213	451	1,508	19
Finance, insurance, and real estate	7,551	1,857	173	147	1,755	3,045	-	322	141	26	14	34	38
Services	35,250	3,942	10,759	1,751	836	5,831	990	7,324	1,863	714	542	416	281
Private households	1,169	13	14	6	-	5	990	77	10	3	9	7	34
Other service industries	34,081	3,929	10,745	1,745	836	5,826	-	7,247	1,853	711	533	409	247
Professional services	23,012	2,196	9,581	1,478	208	4,264	-	4,230	388	183	282	126	77
Public administration	5,104	1,086	685	213	16	1,416	-	1,317	203	40	41	46	43

¹ Includes protective service, not shown separately.

A-26. Employed civilians with a job but not at work by reason, sex, and pay status

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Dec. 1985	Dec. 1986	Total		Wage and salary workers ¹			
			Dec. 1985	Dec. 1986	Paid absences		Unpaid absences	
					Dec. 1985	Dec. 1986	Dec. 1985	Dec. 1986
Total, 16 years and over	3,945	3,786	3,802	3,651	1,603	1,452	1,667	1,716
Vacation	1,447	1,224	1,418	1,199	974	791	295	280
Illness	1,220	1,261	1,190	1,229	417	474	663	649
Bad weather	256	177	201	151	(²)	(²)	(²)	(²)
Industrial dispute	41	48	41	48	(²)	(²)	(²)	(²)
All other reasons	981	1,076	951	1,024	212	186	708	786
Men, 16 years and over	2,247	2,103	2,124	1,984	940	819	844	839
Vacation	886	744	862	721	639	511	146	129
Illness	671	698	647	670	218	258	352	344
All other reasons ²	690	662	615	593	83	50	346	366
Women, 16 years and over	1,698	1,683	1,678	1,667	663	635	823	876
Vacation	561	480	556	478	335	281	149	151
Illness	549	564	543	559	199	217	311	305
All other reasons ²	589	640	579	630	129	137	363	420

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.

A-27. Persons at work by hours of work and type of industry

Hours of work	December 1986					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	106,802	2,691	104,111	100.0	100.0	100.0
1 to 34 hours	25,607	871	24,736	24.0	32.4	23.8
1 to 4 hours	752	49	702	.7	1.8	.7
5 to 14 hours	4,468	205	4,263	4.2	7.6	4.1
15 to 29 hours	13,305	408	12,898	12.5	15.2	12.4
30 to 34 hours	7,082	209	6,873	6.6	7.8	6.6
35 hours and over	81,196	1,821	79,376	76.0	67.6	76.2
35 to 39 hours	7,242	142	7,100	6.8	5.3	6.8
40 hours	42,672	571	42,101	40.0	21.2	40.4
41 hours and over	31,282	1,108	30,175	29.3	41.2	29.0
41 to 48 hours	11,280	196	11,084	10.6	7.3	10.6
49 to 59 hours	11,570	394	11,176	10.8	14.6	10.7
60 hours and over	8,432	518	7,915	7.9	19.2	7.6
Average hours, total at work	39.2	41.1	39.1			
Average hours, workers on full-time schedules	43.7	48.0	43.6			

A-28. Persons at work 1 to 34 hours by reason for working less than 35 hours, type of industry, and usual status

(Numbers in thousands)

Reason for working less than 35 hours	December 1986					
	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	25,607	7,008	18,599	24,736	6,624	18,112
Economic reasons	5,494	1,700	3,794	5,226	1,563	3,663
Slack work	2,506	1,470	1,036	2,313	1,339	974
Material shortages or repairs to plant and equipment	45	45	-	45	45	-
New job started during week	133	133	-	129	129	-
Job terminated during week	52	52	-	51	51	-
Could find only part-time work	2,758	-	2,758	2,689	-	2,689
Other reasons	20,113	5,308	14,805	19,508	5,059	14,449
Does not want, or unavailable for, full-time work	12,459	-	12,459	12,204	-	12,204
Vacation	1,125	1,125	-	1,116	1,116	-
Illness	1,935	1,770	165	1,898	1,735	163
Bad weather	688	688	-	571	571	-
Industrial dispute	11	11	-	11	11	-
Legal or religious holiday	159	159	-	158	158	-
Full time for this job	1,599	-	1,599	1,566	-	1,566
All other reasons	2,136	1,555	581	1,984	1,470	514
Average hours:						
Economic reasons	22.1	24.2	21.2	22.2	24.4	21.3
Other reasons	21.0	26.2	19.2	21.1	26.3	19.3
Worked 30 to 34 hours:						
Economic reasons	1,643	737	906	1,580	694	886
Other reasons	5,439	2,823	2,616	5,293	2,731	2,562

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-29. Persons at work in nonagricultural industries by class of worker and full- or part-time status

(Numbers in thousands)

Industry	December 1986								
	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	104,111	5,226	14,449	84,436	54,261	11,084	19,091	39.1	43.6
Wage and salary workers	96,230	4,593	13,123	78,514	51,678	10,493	16,343	39.0	43.2
Mining	743	26	10	707	408	103	196	44.6	45.6
Construction	5,377	374	243	4,760	3,411	493	856	39.1	41.4
Manufacturing	19,562	504	682	18,376	11,777	3,006	3,593	42.0	43.2
Durable goods	11,878	184	317	11,377	7,203	1,855	2,319	42.5	43.4
Nondurable goods	7,684	321	365	6,998	4,572	1,151	1,275	41.1	43.0
Transportation and public utilities	7,326	257	448	6,621	4,281	928	1,412	41.6	43.7
Wholesale and retail trade	20,893	1,572	5,010	14,311	8,303	2,275	3,733	37.0	44.4
Finance, insurance, and real estate	6,802	125	600	6,077	4,201	728	1,148	40.1	42.4
Service industries	30,605	1,681	5,906	23,018	15,801	2,466	4,751	37.1	42.9
Private households	1,140	178	534	428	261	51	116	25.6	45.4
All other industries	29,465	1,503	5,372	22,590	15,540	2,415	4,635	37.5	42.9
Public administration	4,922	55	223	4,644	3,496	494	654	40.8	42.0
Self-employed workers	7,638	625	1,220	5,793	2,515	583	2,695	41.3	48.7
Unpaid family workers	243	8	106	129	68	8	53	37.4	51.0

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-30. 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 1986							
	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								
Total, 16 years and over	104,111	5,226	14,449	84,436	54,261	30,175	39.1	43.6
16 to 19 years	5,795	517	3,557	1,721	1,377	344	24.1	40.3
16 to 17 years	2,386	93	2,105	188	161	27	17.7	37.6
18 to 19 years	3,409	424	1,451	1,534	1,216	318	28.6	40.6
20 years and over	98,316	4,708	10,892	82,716	52,887	29,829	40.0	43.6
20 to 24 years	12,909	979	2,173	9,757	6,707	3,050	37.1	42.5
25 years and over	85,407	3,730	8,719	72,958	46,178	26,780	40.4	43.8
25 to 44 years	56,153	2,429	4,849	48,875	30,257	18,618	41.1	44.0
45 to 64 years	26,785	1,177	2,679	22,929	15,095	7,834	40.1	43.4
65 years and over	2,470	124	1,191	1,155	829	326	29.0	42.6
Men, 16 years and over	56,737	2,338	4,368	50,031	28,542	21,489	42.1	45.0
16 to 19 years	2,812	233	1,651	928	721	207	25.4	40.6
16 to 17 years	1,116	41	965	110	90	20	18.9	39.2
18 to 19 years	1,696	191	686	819	632	187	29.6	40.8
20 years and over	53,925	2,104	2,717	49,104	27,821	21,283	42.9	45.1
20 to 24 years	6,580	483	914	5,183	3,213	1,970	38.7	43.6
25 years and over	47,345	1,621	1,803	43,921	24,608	19,313	43.5	45.3
25 to 44 years	30,878	1,087	671	29,120	15,853	13,267	44.3	45.6
45 to 64 years	15,048	465	514	14,069	8,280	5,789	43.2	44.7
65 years and over	1,420	68	618	734	477	257	30.8	43.7
Women, 16 years and over	47,374	2,888	10,081	34,405	25,721	8,684	35.6	41.5
16 to 19 years	2,983	284	1,906	793	656	137	23.0	39.8
16 to 17 years	1,270	52	1,140	78	72	6	16.6	35.5
18 to 19 years	1,713	233	766	714	583	131	27.7	40.3
20 years and over	44,391	2,604	8,175	33,612	25,066	8,546	36.4	41.5
20 to 24 years	6,329	496	1,259	4,574	3,493	1,081	35.4	41.2
25 years and over	38,061	2,108	6,917	29,036	21,569	7,467	36.7	41.6
25 to 44 years	25,274	1,341	4,178	19,755	14,404	5,351	37.2	41.7
45 to 64 years	11,737	711	2,166	8,860	6,813	2,047	36.2	41.3
65 years and over	1,050	56	573	421	352	69	26.4	40.7
RACE								
White, 16 years and over	90,605	4,222	13,091	73,292	45,830	27,462	39.3	43.8
Men	49,935	1,882	3,901	44,152	24,425	19,727	42.4	45.3
Women	40,670	2,340	9,190	29,140	21,406	7,734	35.5	41.6
Black, 16 years and over	10,413	860	962	8,591	6,718	1,873	37.9	41.5
Men	5,167	380	338	4,449	3,257	1,192	39.4	42.4
Women	5,245	480	624	4,141	3,461	680	36.4	40.5
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	37,266	1,074	1,276	34,916	19,030	15,886	43.9	45.5
Widowed, divorced, or separated	5,442	338	237	4,867	2,787	2,080	42.4	45.0
Single (never married)	14,029	926	2,856	10,247	6,723	3,524	37.0	43.4
Women, 16 years and over:								
Married, spouse present	26,428	1,464	5,897	19,067	14,542	4,525	35.5	41.2
Widowed, divorced, or separated	9,295	666	1,066	7,563	5,393	2,170	38.0	41.9
Single (never married)	11,651	758	3,118	7,775	5,786	1,989	33.8	41.6

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED**

A-31. Persons at work in nonfarm occupations by sex and full- or part-time status

(Numbers in thousands)

Occupation and sex	December 1986								
	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 ¹	104,086	5,231	14,434	84,420	54,201	11,086	19,133	39.1	43.6
Managerial and professional specialty	26,484	579	2,338	23,567	13,159	2,974	7,434	42.4	45.3
Executive, administrative, and managerial	12,539	187	589	11,763	6,141	1,543	4,080	44.4	46.0
Professional specialty	13,945	392	1,749	11,804	7,018	1,432	3,354	40.7	44.6
Technical, sales, and administrative support	33,960	1,292	6,028	26,641	18,033	3,356	5,253	38.0	42.9
Technicians and related support	3,221	56	357	2,808	1,976	387	445	39.6	42.4
Sales occupations	13,428	726	2,862	9,839	5,014	1,354	3,471	39.3	46.2
Administrative support, including clerical	17,311	509	2,808	13,995	11,043	1,615	1,337	36.7	40.7
Service occupations	14,376	1,578	4,019	8,779	6,439	983	1,357	33.3	42.2
Private household	965	146	480	339	210	44	85	24.7	45.0
Protective service	1,797	37	171	1,589	1,016	250	322	41.5	44.6
Service, except private household and protective	11,613	1,394	3,368	6,851	5,213	689	950	32.7	41.5
Precision production, craft, and repair	12,873	601	475	11,797	7,531	1,724	2,542	41.6	43.5
Operators, fabricators, and laborers	16,393	1,182	1,574	13,636	9,039	2,050	2,548	39.3	43.0
Machine operators, assemblers, and inspectors	7,444	382	339	6,723	4,706	1,074	944	40.4	42.2
Transportation and material moving occupations	4,409	315	397	3,698	2,013	531	1,154	41.7	45.6
Handlers, equipment cleaners, helpers, and laborers	4,539	486	838	3,215	2,320	445	450	35.3	41.4
Men, 16 years and over ¹	56,594	2,329	4,326	49,940	28,427	7,114	14,400	42.1	45.0
Managerial and professional specialty	14,827	279	605	13,943	6,687	1,798	5,458	45.4	47.0
Executive, administrative, and managerial	7,720	115	192	7,413	3,306	957	3,150	46.5	47.6
Professional specialty	7,107	164	412	6,530	3,380	841	2,308	44.1	46.3
Technical, sales, and administrative support	12,184	257	1,152	10,775	5,596	1,596	3,583	42.9	46.0
Technicians and related support	1,675	16	107	1,552	1,006	240	306	41.6	43.4
Sales occupations	7,018	156	693	6,168	2,550	864	2,754	44.8	48.2
Administrative support, including clerical	3,491	85	352	3,054	2,040	492	522	39.8	42.7
Service occupations	5,727	439	1,170	4,117	2,828	530	760	36.6	43.3
Private household	46	7	20	19	13	3	3	(²)	(²)
Protective service	1,561	25	115	1,421	893	220	308	42.7	45.0
Service, except private household and protective	4,119	407	1,035	2,677	1,922	306	448	34.5	42.4
Precision production, craft, and repair	11,700	541	340	10,819	6,843	1,577	2,399	42.0	43.6
Operators, fabricators, and laborers	12,157	813	1,058	10,286	6,474	1,612	2,200	40.1	43.6
Machine operators, assemblers, and inspectors	4,415	169	119	4,127	2,680	739	707	41.8	43.2
Transportation and material moving occupations	4,003	262	261	3,481	1,881	498	1,102	42.6	45.7
Handlers, equipment cleaners, helpers, and laborers	3,739	383	678	2,678	1,913	375	390	35.4	41.5
Women, 16 years and over ¹	47,492	2,903	10,109	34,480	25,774	3,973	4,734	35.6	41.5
Managerial and professional specialty	11,657	300	1,733	9,624	6,472	1,176	1,976	38.7	42.7
Executive, administrative, and managerial	4,819	72	396	4,350	2,834	586	930	40.9	43.1
Professional specialty	6,838	227	1,337	5,274	3,638	590	1,046	37.1	42.4
Technical, sales, and administrative support	21,776	1,034	4,875	15,867	12,437	1,760	1,670	35.2	40.8
Technicians and related support	1,546	41	250	1,256	970	147	138	37.6	41.2
Sales occupations	6,410	570	2,169	3,671	2,464	490	716	33.3	42.8
Administrative support, including clerical	13,820	424	2,456	10,941	9,003	1,123	815	35.9	40.2
Service occupations	8,649	1,139	2,849	4,661	3,611	453	597	31.1	41.2
Private household	919	139	460	320	198	40	82	24.7	45.0
Protective service	236	13	56	167	123	30	14	33.9	41.0
Service, except private household and protective	7,495	987	2,333	4,174	3,291	382	502	31.8	41.0
Precision production, craft, and repair	1,173	60	135	978	689	147	142	38.5	41.9
Operators, fabricators, and laborers	4,235	369	516	3,350	2,565	437	348	37.2	41.0
Machine operators, assemblers, and inspectors	3,029	213	220	2,596	2,025	334	236	38.3	40.8
Transportation and material moving occupations	406	53	136	217	132	33	52	33.4	44.1
Handlers, equipment cleaners, helpers, and laborers	800	103	159	538	408	70	60	34.9	41.0

¹ Excludes farming, forestry, and fishing occupations.

² Data not shown where base is less than 75,000.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-32. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL													
Noninstitutional population ¹	180,810	181,361	181,512	181,678	181,843	181,998	182,183	182,354	182,525	182,713	182,935	183,114	183,297
Labor force ¹	118,031	118,485	118,733	118,880	118,987	119,274	119,685	119,789	119,821	119,988	120,163	120,426	120,336
Percent of population ²	65.3	65.3	65.4	65.4	65.4	65.5	65.7	65.7	65.6	65.7	65.7	65.8	65.7
Total employed ¹	109,847	110,583	110,248	110,500	110,664	110,852	111,293	111,559	111,764	111,703	111,941	112,183	112,387
Employment-population ratio ³	60.8	61.0	60.7	60.8	60.9	60.9	61.1	61.2	61.2	61.1	61.2	61.3	61.3
Resident Armed Forces	1,698	1,691	1,691	1,693	1,695	1,687	1,680	1,672	1,697	1,716	1,749	1,751	1,750
Civilian employed	108,149	108,892	108,557	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637
Agriculture	3,151	3,280	3,105	3,252	3,199	3,151	3,164	3,124	3,057	3,142	3,162	3,215	3,161
Nonagricultural industries	104,998	105,612	105,452	105,555	105,770	106,014	106,449	106,763	107,010	106,845	107,030	107,217	107,476
Unemployed	8,184	7,902	8,485	8,380	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949
Unemployment rate ⁴	6.9	6.7	7.1	7.0	7.0	7.1	7.0	6.9	6.7	6.9	6.8	6.8	6.6
Not in labor force	62,779	62,876	62,779	62,798	62,856	62,724	62,498	62,565	62,704	62,725	62,772	62,688	62,961
Men													
Noninstitutional population ¹	86,459	86,882	86,954	87,035	87,120	87,195	87,288	87,373	87,460	87,556	87,682	87,773	87,868
Labor force ¹	66,173	66,666	66,737	66,793	66,770	66,854	66,937	66,968	66,911	67,128	67,130	67,407	67,425
Percent of population ²	76.5	76.7	76.7	76.7	76.6	76.7	76.7	76.6	76.5	76.7	76.6	76.8	76.7
Total employed ¹	61,762	62,392	62,142	62,221	62,253	62,201	62,318	62,402	62,483	62,528	62,565	62,833	62,986
Employment-population ratio ³	71.4	71.8	71.5	71.5	71.5	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.7
Resident Armed Forces	1,549	1,539	1,539	1,540	1,541	1,533	1,525	1,518	1,541	1,560	1,590	1,592	1,593
Civilian employed	60,213	60,853	60,603	60,681	60,712	60,668	60,793	60,884	60,942	60,968	60,975	61,241	61,393
Agriculture	4,411	4,274	4,595	4,572	4,517	4,653	4,619	4,566	4,428	4,600	4,565	4,574	4,439
Unemployment rate ⁴	6.7	6.4	6.9	6.8	6.8	7.0	6.9	6.8	6.6	6.9	6.8	6.8	6.6
Not in labor force	20,286	20,216	20,217	20,242	20,350	20,341	20,351	20,405	20,549	20,428	20,552	20,366	20,443
Women													
Noninstitutional population ¹	94,351	94,479	94,558	94,643	94,723	94,803	94,895	94,981	95,065	95,156	95,253	95,341	95,429
Labor force ¹	51,858	51,819	51,996	52,087	52,217	52,420	52,748	52,821	52,910	52,860	53,033	53,019	52,911
Percent of population ²	55.0	54.8	55.0	55.0	55.1	55.3	55.6	55.6	55.7	55.6	55.7	55.6	55.4
Total employed ¹	48,085	48,191	48,106	48,279	48,411	48,651	48,975	49,157	49,281	49,175	49,376	49,350	49,401
Employment-population ratio ³	51.0	51.0	50.9	51.0	51.1	51.3	51.6	51.8	51.8	51.7	51.8	51.8	51.8
Resident Armed Forces	149	152	152	153	154	154	155	154	156	156	159	159	157
Civilian employed	47,936	48,039	47,954	48,126	48,257	48,497	48,820	49,003	49,125	49,019	49,217	49,191	49,244
Unemployed	3,773	3,628	3,890	3,808	3,806	3,769	3,773	3,664	3,629	3,685	3,657	3,669	3,510
Unemployment rate ⁴	7.3	7.0	7.5	7.3	7.3	7.2	7.2	6.9	6.9	7.0	6.9	6.9	6.6
Not in labor force	42,493	42,660	42,562	42,556	42,506	42,383	42,147	42,160	42,155	42,296	42,220	42,322	42,518

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-32 through A-41 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, sex, and age	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL													
Civilian noninstitutional population ¹	179,112	179,670	179,821	179,985	180,148	180,311	180,503	180,682	180,828	180,997	181,186	181,363	181,547
Civilian labor force	116,333	116,794	117,042	117,187	117,292	117,587	118,005	118,117	118,124	118,272	118,414	118,675	118,586
Percent of population	64.9	65.0	65.1	65.1	65.1	65.2	65.4	65.4	65.3	65.3	65.4	65.4	65.3
Employed	108,149	108,892	108,557	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637
Employment-population ratio ²	60.4	60.6	60.4	60.5	60.5	60.5	60.7	60.8	60.9	60.8	60.8	60.9	60.9
Unemployed	8,184	7,902	8,485	8,380	8,323	8,422	8,392	8,230	8,057	8,285	8,222	8,243	7,949
Unemployment rate	7.0	6.8	7.2	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7
Men, 20 years and over													
Civilian noninstitutional population ¹	77,651	78,101	78,171	78,236	78,309	78,387	78,484	78,586	78,634	78,722	78,802	78,874	78,973
Civilian labor force	60,545	61,143	61,092	61,177	61,080	61,158	61,330	61,355	61,219	61,412	61,409	61,703	61,826
Percent of population	78.0	78.3	78.2	78.2	78.0	78.0	78.1	78.1	77.9	78.0	77.9	78.2	78.3
Employed	56,928	57,599	57,296	57,388	57,392	57,338	57,522	57,544	57,585	57,607	57,595	57,883	58,101
Employment-population ratio ²	73.3	73.7	73.3	73.4	73.3	73.1	73.3	73.2	73.2	73.2	73.1	73.4	73.6
Agriculture	2,280	2,340	2,261	2,389	2,319	2,279	2,309	2,275	2,185	2,286	2,297	2,303	2,289
Nonagricultural industries	54,648	55,259	55,035	54,999	55,073	55,059	55,213	55,269	55,400	55,321	55,298	55,580	55,812
Unemployed	3,617	3,544	3,796	3,789	3,688	3,820	3,808	3,811	3,634	3,805	3,814	3,820	3,725
Unemployment rate	6.0	5.8	6.2	6.2	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0
Not in labor force	17,106	16,958	17,079	17,059	17,229	17,229	17,154	17,231	17,415	17,310	17,393	17,171	17,147
Women, 20 years and over													
Civilian noninstitutional population ¹	86,988	87,112	87,185	87,263	87,355	87,444	87,547	87,629	87,689	87,779	87,856	87,933	88,016
Civilian labor force	47,916	47,897	48,009	48,065	48,181	48,433	48,739	48,879	48,950	48,920	49,014	49,043	48,923
Percent of population	55.1	55.0	55.1	55.1	55.2	55.4	55.7	55.8	55.8	55.7	55.8	55.8	55.6
Employed	44,843	44,952	44,820	44,934	45,094	45,335	45,657	45,869	45,956	45,905	46,020	46,067	46,058
Employment-population ratio ²	51.6	51.6	51.4	51.5	51.6	51.8	52.2	52.3	52.4	52.3	52.4	52.4	52.3
Agriculture	594	677	591	589	585	604	583	607	622	614	612	612	621
Nonagricultural industries	44,249	44,275	44,229	44,345	44,509	44,731	45,074	45,262	45,334	45,291	45,408	45,392	45,437
Unemployed	3,073	2,945	3,189	3,131	3,087	3,098	3,082	3,010	2,994	3,015	2,994	2,976	2,865
Unemployment rate	6.4	6.1	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9
Not in labor force	39,072	39,215	39,176	39,198	39,174	39,011	38,808	38,750	38,739	38,859	38,842	38,890	39,093
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	14,474	14,458	14,465	14,485	14,484	14,480	14,472	14,467	14,505	14,496	14,527	14,557	14,558
Civilian labor force	7,872	7,754	7,941	7,945	8,031	7,996	7,936	7,883	7,955	7,940	7,991	7,929	7,837
Percent of population	54.4	53.6	54.9	54.9	55.4	55.2	54.8	54.5	54.8	54.8	55.0	54.5	53.8
Employed	6,378	6,341	6,441	6,485	6,483	6,492	6,434	6,474	6,526	6,475	6,577	6,482	6,478
Employment-population ratio ²	44.1	43.9	44.5	44.8	44.8	44.8	44.5	44.8	45.0	44.7	45.3	44.5	44.5
Agriculture	277	263	253	274	295	268	272	242	250	242	253	237	251
Nonagricultural industries	6,101	6,078	6,188	6,211	6,188	6,224	6,162	6,232	6,276	6,233	6,324	6,245	6,227
Unemployed	1,494	1,413	1,500	1,460	1,548	1,504	1,502	1,409	1,429	1,465	1,414	1,447	1,359
Unemployment rate	19.0	18.2	18.9	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3
Not in labor force	6,602	6,704	6,524	6,540	6,453	6,484	6,536	6,584	6,550	6,556	6,536	6,628	6,721

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
WHITE													
Civilian noninstitutional population ¹	154,327	154,784	154,889	155,005	155,122	155,236	155,376	155,502	155,604	155,723	155,856	155,979	156,111
Civilian labor force	100,617	100,993	101,178	101,208	101,237	101,531	101,946	102,015	102,122	102,158	102,297	102,455	102,503
Percent of population	65.2	65.2	65.3	65.3	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7
Employed	94,549	95,099	94,780	94,955	95,095	95,283	95,720	95,861	96,177	96,000	96,147	96,281	96,533
Employment-population ratio ²	61.3	61.4	61.2	61.3	61.3	61.4	61.6	61.6	61.8	61.6	61.7	61.7	61.8
Unemployed	6,068	5,894	6,398	6,253	6,142	6,248	6,226	6,154	5,945	6,158	6,150	6,174	5,970
Unemployment rate	6.0	5.8	6.3	6.2	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8
Men, 20 years and over													
Civilian labor force	53,106	53,558	53,538	53,532	53,444	53,532	53,651	53,639	53,583	53,727	53,757	54,015	54,172
Percent of population	78.4	78.6	78.6	78.5	78.3	78.4	78.5	78.4	78.2	78.4	78.3	78.7	78.8
Employed	50,374	50,864	50,629	50,615	50,663	50,628	50,762	50,731	50,877	50,845	50,845	51,089	51,286
Employment-population ratio ²	74.4	74.7	74.3	74.2	74.2	74.1	74.2	74.1	74.3	74.2	74.1	74.4	74.6
Unemployed	2,732	2,694	2,909	2,917	2,781	2,904	2,889	2,908	2,706	2,882	2,912	2,926	2,886
Unemployment rate	5.1	5.0	5.4	5.4	5.2	5.4	5.4	5.4	5.1	5.4	5.4	5.4	5.3
Women, 20 years and over													
Civilian labor force	40,699	40,724	40,750	40,826	40,890	41,103	41,424	41,584	41,640	41,547	41,598	41,540	41,514
Percent of population	54.5	54.4	54.4	54.5	54.5	54.8	55.1	55.3	55.4	55.2	55.2	55.1	55.0
Employed	38,453	38,535	38,365	38,519	38,651	38,854	39,179	39,368	39,466	39,365	39,431	39,399	39,456
Employment-population ratio ²	51.4	51.5	51.2	51.4	51.5	51.8	52.2	52.4	52.5	52.3	52.3	52.3	52.3
Unemployed	2,246	2,189	2,385	2,307	2,239	2,249	2,245	2,216	2,174	2,182	2,167	2,141	2,058
Unemployment rate	5.5	5.4	5.9	5.7	5.5	5.5	5.4	5.3	5.2	5.3	5.2	5.2	5.0
Both sexes, 16 to 19 years													
Civilian labor force	6,812	6,711	6,890	6,850	6,903	6,896	6,871	6,792	6,899	6,884	6,942	6,900	6,817
Percent of population	57.4	56.6	58.1	57.8	58.1	58.1	57.9	57.2	58.1	57.9	58.4	58.0	57.3
Employed	5,722	5,700	5,786	5,821	5,781	5,801	5,779	5,762	5,834	5,790	5,871	5,793	5,791
Employment-population ratio ²	48.2	48.0	48.8	49.1	48.7	48.8	48.7	48.5	49.1	48.7	49.4	48.7	48.7
Unemployed	1,090	1,011	1,104	1,029	1,122	1,095	1,092	1,030	1,065	1,094	1,071	1,107	1,026
Unemployment rate	16.0	15.1	16.0	15.0	16.3	15.9	15.9	15.2	15.4	15.9	15.4	16.0	15.1
Men	16.4	15.0	16.6	15.9	17.1	17.0	17.1	15.6	16.6	16.6	15.7	16.3	15.5
Women	15.6	15.1	15.4	14.1	15.4	14.7	14.6	14.7	14.2	15.1	15.2	15.7	14.6
BLACK													
Civilian noninstitutional population ¹	19,819	19,837	19,863	19,889	19,916	19,943	19,974	20,002	20,028	20,056	20,089	20,120	20,152
Civilian labor force	12,559	12,561	12,572	12,634	12,687	12,721	12,712	12,611	12,553	12,652	12,720	12,719	12,707
Percent of population	63.4	63.3	63.3	63.5	63.7	63.8	63.6	63.0	62.7	63.1	63.3	63.2	63.1
Employed	10,679	10,723	10,704	10,770	10,809	10,839	10,818	10,822	10,716	10,799	10,895	10,910	10,968
Employment-population ratio ²	53.9	54.1	53.9	54.2	54.3	54.3	54.2	54.1	53.5	53.8	54.2	54.2	54.4
Unemployed	1,880	1,838	1,868	1,864	1,878	1,882	1,894	1,789	1,837	1,853	1,825	1,809	1,739
Unemployment rate	15.0	14.6	14.9	14.8	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7
Men, 20 years and over													
Civilian labor force	5,813	5,890	5,866	5,902	5,904	5,924	5,948	5,939	5,885	5,906	5,932	5,934	5,947
Percent of population	74.4	75.2	74.7	75.1	75.0	75.1	75.3	75.0	74.2	74.4	74.6	74.5	74.5
Employed	5,044	5,131	5,088	5,149	5,149	5,161	5,157	5,170	5,110	5,116	5,153	5,171	5,244
Employment-population ratio ²	64.6	65.5	64.8	65.5	65.4	65.4	65.3	65.3	64.5	64.5	64.8	65.0	65.7
Unemployed	769	759	778	753	755	763	791	769	775	790	779	763	703
Unemployment rate	13.2	12.9	13.3	12.8	12.8	12.9	13.3	12.9	13.2	13.4	13.1	12.9	11.8
Women, 20 years and over													
Civilian labor force	5,842	5,772	5,792	5,799	5,853	5,876	5,848	5,848	5,841	5,872	5,909	5,943	5,907
Percent of population	59.2	58.5	58.6	58.6	59.1	59.2	58.8	58.8	58.6	58.8	59.1	59.3	58.9
Employed	5,108	5,066	5,068	5,084	5,120	5,130	5,107	5,141	5,112	5,145	5,178	5,200	5,182
Employment-population ratio ²	51.8	51.4	51.3	51.4	51.7	51.7	51.4	51.6	51.3	51.5	51.8	51.9	51.7
Unemployed	734	706	724	715	733	746	741	707	729	727	731	743	725
Unemployment rate	12.6	12.2	12.5	12.3	12.5	12.7	12.7	12.1	12.5	12.4	12.4	12.5	12.3

See footnotes at end of table.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-34. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	904	899	914	933	930	921	916	824	827	874	879	842	853
Percent of population	42.1	42.0	42.8	43.7	43.5	43.2	42.9	38.7	38.8	40.9	41.1	39.3	39.8
Employed	527	526	548	537	540	548	554	511	494	538	564	539	542
Employment-population ratio ²	24.5	24.6	25.6	25.2	25.3	25.7	26.0	24.0	23.1	25.2	26.3	25.1	25.3
Unemployed	377	373	366	396	390	373	362	313	333	336	315	303	311
Unemployment rate	41.7	41.5	40.0	42.4	41.9	40.5	39.5	38.0	38.4	38.4	35.8	36.0	36.5
Men	40.9	41.1	39.5	42.6	41.2	40.5	39.7	40.5	38.8	38.6	37.8	35.0	36.1
Women	42.7	41.9	40.7	42.2	42.7	40.5	39.4	35.0	41.9	38.3	33.8	37.0	36.9
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	12,111	12,148	12,184	12,219	12,255	12,290	12,326	12,362	12,397	12,432	12,469	12,505	12,540
Civilian labor force	7,777	7,796	7,922	7,926	7,969	8,006	8,085	8,121	8,130	8,179	8,200	8,226	8,320
Percent of population	64.2	64.2	65.0	64.9	65.0	65.1	65.6	65.7	65.6	65.8	65.8	65.8	66.3
Employed	6,964	6,994	6,991	7,095	7,129	7,136	7,224	7,269	7,248	7,286	7,345	7,437	7,446
Employment-population ratio ²	57.5	57.6	57.4	58.1	58.2	58.1	58.6	58.8	58.5	58.6	58.9	59.5	59.4
Unemployed	813	802	931	831	840	870	861	852	882	893	855	789	874
Unemployment rate	10.5	10.3	11.8	10.5	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups. Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-35. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total	108,149	108,892	108,557	108,807	108,969	109,165	109,613	109,887	110,067	109,987	110,192	110,432	110,637
Married men, spouse present	39,254	39,558	39,363	39,396	39,504	39,582	39,613	39,634	39,735	39,691	39,780	39,952	40,093
Married women, spouse present	26,777	26,820	26,695	26,761	26,889	27,016	27,354	27,474	27,388	27,249	27,323	27,333	27,400
Women who maintain families	5,697	5,703	5,723	5,754	5,799	5,734	5,719	5,812	5,832	5,926	6,016	6,041	6,005
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,545	1,642	1,512	1,655	1,539	1,489	1,508	1,504	1,509	1,521	1,562	1,582	1,621
Self-employed workers	1,447	1,482	1,444	1,450	1,467	1,472	1,492	1,434	1,387	1,460	1,451	1,425	1,400
Unpaid family workers	168	165	158	169	173	177	163	171	174	159	164	198	152
Nonagricultural industries:													
Wage and salary workers	96,912	97,752	97,500	97,661	97,858	98,047	98,314	98,312	98,586	98,692	98,846	98,869	99,164
Government	16,177	16,333	16,155	16,160	16,231	16,333	16,377	16,582	16,446	16,333	16,264	16,457	16,443
Private industries	80,735	81,419	81,345	81,501	81,627	81,714	81,937	81,730	82,140	82,359	82,582	82,412	82,721
Private households	1,141	1,245	1,208	1,227	1,309	1,261	1,267	1,241	1,247	1,229	1,216	1,183	1,189
Other industries	79,594	80,174	80,137	80,274	80,318	80,453	80,670	80,489	80,893	81,130	81,366	81,229	81,532
Self-employed workers	7,817	7,693	7,711	7,713	7,634	7,793	7,832	8,019	7,956	7,939	7,993	8,179	8,056
Unpaid family workers	254	271	261	243	251	235	236	258	271	275	265	252	239
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	5,505	5,551	5,446	5,548	5,853	5,825	5,538	5,442	5,471	5,544	5,740	5,563	5,596
Slack work	2,365	2,377	2,385	2,352	2,534	2,605	2,437	2,473	2,417	2,472	2,481	2,510	2,444
Could only find part-time work	2,838	2,870	2,724	2,908	2,922	2,843	2,813	2,661	2,741	2,772	2,826	2,714	2,867
Voluntary part time	13,640	13,877	13,800	13,778	13,900	13,853	14,142	13,967	13,981	13,922	14,178	14,021	13,877
Nonagricultural industries:													
Part time for economic reasons	5,292	5,297	5,214	5,295	5,567	5,569	5,322	5,222	5,269	5,303	5,450	5,319	5,342
Slack work	2,233	2,231	2,242	2,160	2,382	2,485	2,307	2,317	2,283	2,314	2,314	2,366	2,286
Could only find part-time work	2,740	2,770	2,669	2,819	2,806	2,749	2,727	2,609	2,678	2,710	2,739	2,626	2,765
Voluntary part time	13,196	13,386	13,354	13,351	13,528	13,412	13,613	13,578	13,606	13,520	13,736	13,567	13,455

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 have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

(Civilian workers)

Sex and age	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	7.0	6.8	7.2	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7
16 to 24 years	13.4	13.1	13.6	13.3	13.7	13.8	13.5	13.2	12.9	13.6	13.0	12.9	12.9
16 to 19 years	19.0	18.2	18.9	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3
16 to 17 years	21.2	21.0	21.6	19.8	20.8	20.8	20.7	19.8	19.8	20.0	19.3	20.6	18.8
18 to 19 years	17.6	16.6	17.1	17.2	18.4	17.4	17.5	16.2	16.8	17.2	16.5	16.7	16.3
20 to 24 years	10.7	10.5	10.9	10.7	10.8	11.2	10.7	10.8	10.3	11.1	10.5	10.2	10.7
25 years and over	5.4	5.2	5.6	5.6	5.4	5.5	5.5	5.4	5.4	5.4	5.5	5.5	5.2
25 to 54 years	5.7	5.5	5.9	5.9	5.7	5.9	5.9	5.7	5.7	5.6	5.7	5.8	5.5
55 years and over	3.9	3.9	4.3	4.2	3.9	3.7	3.8	3.8	3.7	4.0	4.1	3.8	3.5
Men, 16 years and over	6.8	6.6	7.0	7.0	6.9	7.1	7.1	7.0	6.8	7.0	7.0	6.9	6.7
16 to 24 years	13.6	13.1	13.6	13.7	14.2	14.5	13.9	13.6	13.3	14.3	13.2	13.4	13.4
16 to 19 years	19.5	18.3	19.5	19.2	20.0	20.0	19.9	18.4	19.1	19.1	18.2	18.3	17.8
16 to 17 years	21.8	21.3	22.9	20.5	21.1	21.3	20.0	20.3	20.9	21.0	19.8	21.3	19.1
18 to 19 years	18.0	16.8	17.2	18.3	19.2	19.1	19.4	16.7	18.0	17.5	17.0	16.2	17.0
20 to 24 years	10.7	10.5	10.8	11.0	11.3	11.7	10.9	11.1	10.3	11.9	10.7	10.9	11.3
25 years and over	5.2	5.1	5.5	5.4	5.2	5.4	5.4	5.4	5.3	5.4	5.5	5.5	5.2
25 to 54 years	5.5	5.4	5.7	5.7	5.5	5.7	5.7	5.7	5.6	5.5	5.7	5.7	5.5
55 years and over	3.9	3.9	4.3	4.1	4.0	3.9	4.1	4.0	4.1	4.2	4.4	4.1	4.0
Women, 16 years and over	7.3	7.0	7.5	7.3	7.3	7.2	7.2	7.0	6.9	7.0	6.9	6.9	6.7
16 to 24 years	13.2	13.1	13.5	12.8	13.1	13.1	13.0	12.7	12.4	12.8	12.7	12.4	12.4
16 to 19 years	18.5	18.1	18.3	17.5	18.5	17.5	17.9	17.3	16.7	17.7	17.2	18.2	16.8
16 to 17 years	20.5	20.6	20.1	19.0	20.4	20.3	21.4	19.2	18.7	18.8	18.6	19.8	18.4
18 to 19 years	17.2	16.4	17.1	16.2	17.6	15.5	15.6	15.6	15.4	16.9	16.0	17.2	15.7
20 to 24 years	10.6	10.6	11.0	10.3	10.2	10.8	10.4	10.4	10.2	10.2	10.3	9.4	10.0
25 years and over	5.7	5.4	5.8	5.8	5.7	5.6	5.6	5.4	5.4	5.5	5.4	5.5	5.2
25 to 54 years	5.9	5.6	6.1	6.1	6.0	6.0	6.0	5.8	5.8	5.8	5.7	5.8	5.5
55 years and over	3.9	3.9	4.3	4.3	3.8	3.5	3.3	3.6	3.3	3.6	3.6	3.4	2.9

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-39. Selected unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total (all civilian workers)	7.0	6.8	7.2	7.2	7.1	7.2	7.1	7.0	6.8	7.0	6.9	6.9	6.7
Men, 20 years and over	6.0	5.8	6.2	6.2	6.0	6.2	6.2	6.2	5.9	6.2	6.2	6.2	6.0
Women, 20 years and over	6.4	6.1	6.6	6.5	6.4	6.4	6.3	6.2	6.1	6.2	6.1	6.1	5.9
Both sexes, 16 to 19 years	19.0	18.2	18.9	18.4	19.3	18.8	18.9	17.9	18.0	18.5	17.7	18.2	17.3
White	6.0	5.8	6.3	6.2	6.1	6.2	6.1	6.0	5.8	6.0	6.0	6.0	5.8
Black and other	13.5	13.1	13.3	13.4	13.5	13.5	13.5	12.7	13.1	13.1	12.7	12.7	12.3
Black	15.0	14.6	14.9	14.8	14.8	14.8	14.9	14.2	14.6	14.6	14.3	14.2	13.7
Hispanic origin	10.5	10.3	11.8	10.5	10.5	10.9	10.6	10.5	10.8	10.9	10.4	9.6	10.5
Married men, spouse present	4.3	4.3	4.5	4.5	4.2	4.4	4.5	4.4	4.2	4.3	4.6	4.5	4.3
Married women, spouse present	5.4	5.1	5.5	5.5	5.3	5.3	5.2	5.2	5.1	5.1	5.0	5.0	4.8
Women who maintain families	9.6	9.9	9.9	10.1	9.5	10.1	10.0	9.5	10.1	9.8	8.9	9.7	9.8
Full-time workers	6.7	6.5	6.9	6.8	6.7	6.9	6.7	6.6	6.4	6.6	6.6	6.6	6.3
Part-time workers	9.1	8.7	9.3	9.1	9.4	9.1	9.1	9.2	9.3	9.3	9.2	9.1	8.8
Unemployed 15 weeks and over ¹	1.9	1.8	2.0	1.9	1.8	1.9	1.9	1.9	1.9	2.0	1.8	1.9	1.8
Labor force time lost ²	7.9	7.7	8.1	8.1	8.1	8.2	8.1	7.8	7.7	7.9	7.8	7.7	7.6
INDUSTRY													
Nonagricultural private wage and salary workers	7.0	6.8	7.2	7.1	7.1	7.2	7.1	7.1	6.9	7.0	7.0	7.0	6.8
Mining	10.2	10.7	9.5	10.5	12.4	13.6	17.3	16.6	16.6	13.9	14.5	14.5	14.1
Construction	12.6	12.8	13.0	13.0	12.3	13.0	12.4	13.0	12.4	12.9	13.8	15.1	13.7
Manufacturing	7.3	7.1	7.3	7.2	6.9	7.4	7.2	6.9	6.9	7.0	7.3	7.1	6.9
Durable goods	7.3	7.0	7.4	6.9	6.9	7.3	7.0	6.7	6.8	6.5	7.2	6.6	6.4
Nondurable goods	7.3	7.2	7.1	7.6	6.9	7.5	7.5	7.2	6.9	7.7	7.3	7.9	7.7
Transportation and public utilities	5.1	4.5	5.3	5.8	5.5	5.3	5.4	5.5	4.8	4.7	5.2	4.4	4.6
Wholesale and retail trade	7.7	7.3	7.8	7.7	7.9	7.9	7.7	7.8	7.5	7.6	7.4	7.2	7.2
Finance and service industries	5.4	5.3	5.9	5.6	5.8	5.5	5.5	5.7	5.6	5.6	5.4	5.4	5.1
Agricultural wage and salary workers	10.7	11.5	13.8	12.1	13.4	15.3	13.2	11.4	13.3	12.9	11.9	10.1	11.5

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.

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-40. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DURATION													
Less than 5 weeks	3,417	3,373	3,534	3,536	3,565	3,610	3,415	3,399	3,436	3,415	3,418	3,382	3,355
5 to 14 weeks	2,507	2,505	2,615	2,625	2,650	2,671	2,650	2,521	2,407	2,524	2,563	2,613	2,389
15 weeks and over	2,209	2,117	2,332	2,243	2,130	2,232	2,299	2,250	2,272	2,373	2,168	2,217	2,171
15 to 26 weeks	1,005	1,003	1,142	1,078	982	1,065	1,038	1,058	1,068	1,110	950	1,045	1,023
27 weeks and over	1,204	1,114	1,190	1,165	1,148	1,167	1,261	1,192	1,204	1,263	1,218	1,172	1,148
Average (mean) duration, in weeks	15.2	15.0	15.2	14.6	14.7	14.8	15.2	15.1	15.6	15.5	15.2	14.8	15.0
Median duration, in weeks	6.8	6.8	6.9	6.8	6.6	6.8	7.2	7.1	7.1	7.1	7.0	7.0	7.1
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	42.0	42.2	41.7	42.1	42.7	42.4	40.8	41.6	42.3	41.1	41.9	41.2	42.4
5 to 14 weeks	30.8	31.3	30.8	31.2	31.8	31.4	31.7	30.9	29.7	30.4	31.5	31.8	30.2
15 weeks and over	27.2	26.5	27.5	26.7	25.5	26.2	27.5	27.5	28.0	28.5	26.6	27.0	27.4
15 to 26 weeks	12.4	12.5	13.5	12.8	11.8	12.5	12.4	12.9	13.2	13.4	11.7	12.7	12.9
27 weeks and over	14.8	13.9	14.0	13.9	13.8	13.7	15.1	14.6	14.8	15.2	14.9	14.3	14.5

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-41. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
NUMBER OF UNEMPLOYED													
Job losers	3,996	3,802	4,147	4,210	4,035	4,214	4,272	4,063	3,824	4,044	3,984	3,947	3,890
On layoff	1,135	1,143	1,136	1,144	1,057	1,118	1,074	1,078	1,017	1,029	1,072	1,073	1,078
Other job losers	2,861	2,659	3,011	3,066	2,978	3,096	3,198	2,985	2,807	3,015	2,912	2,874	2,812
Job leavers	902	977	985	989	1,071	979	1,009	1,025	990	1,041	1,027	1,056	1,036
Reentrants	2,251	2,083	2,263	2,196	2,188	2,200	2,107	2,205	2,199	2,145	2,190	2,119	2,019
New entrants	1,042	1,029	1,073	1,006	1,048	1,046	1,050	989	1,014	1,038	972	1,076	1,015
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	48.8	48.2	49.0	50.1	48.4	49.9	50.6	49.1	47.6	48.9	48.7	48.1	48.9
On layoff	13.9	14.5	13.4	13.6	12.7	13.2	12.7	13.0	12.7	12.4	13.1	13.1	13.5
Other job losers	34.9	33.7	35.6	36.5	35.7	36.7	37.9	36.0	35.0	36.5	35.6	35.1	35.3
Job leavers	11.0	12.4	11.6	11.8	12.8	11.6	12.0	12.4	12.3	12.6	12.6	12.9	13.0
Reentrants	27.5	26.4	26.7	26.1	26.2	26.1	25.0	26.6	27.4	25.9	26.8	25.8	25.4
New entrants	12.7	13.0	12.7	12.0	12.6	12.4	12.4	11.9	12.6	12.6	11.9	13.1	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.4	3.3	3.5	3.6	3.4	3.6	3.6	3.4	3.2	3.4	3.4	3.3	3.3
Job leavers .....	.8	.8	.8	.8	.9	.8	.9	.9	.8	.9	.9	.9	.9
Reentrants	1.9	1.8	1.9	1.9	1.9	1.9	1.8	1.9	1.9	1.8	1.8	1.8	1.7
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.8	.9	.9	.8	.9	.9

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-42. Employment status of the noninstitutional population, including Armed forces stationed in the United States, by sex, seasonally adjusted

(Numbers in thousands)

Employment status and sex	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Noninstitutional population ¹	176,639	177,364	177,816	178,305	178,834	179,222	179,649	180,135	180,641	181,517	182,008	182,530	183,115
Labor force ¹	113,854	114,226	115,209	115,514	115,960	116,728	116,878	117,188	117,887	118,699	119,315	119,866	120,308
Percent of population ²	64.5	64.4	64.8	64.8	64.8	65.1	65.1	65.1	65.3	65.4	65.6	65.7	65.7
Total employed ¹	104,272	105,358	106,737	107,069	107,638	108,321	108,531	108,914	109,673	110,444	110,936	111,675	112,170
Employment-population ratio ³	59.0	59.4	60.0	60.0	60.2	60.4	60.4	60.5	60.7	60.8	61.0	61.2	61.3
Resident Armed Forces	1,689	1,685	1,691	1,710	1,701	1,700	1,703	1,721	1,700	1,692	1,687	1,695	1,750
Civilian employed	102,583	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420
Agriculture	3,305	3,300	3,345	3,331	3,323	3,312	3,250	3,094	3,093	3,212	3,171	3,108	3,179
Nonagricultural industries	99,278	100,373	101,701	102,029	102,615	103,308	103,578	104,100	104,880	105,540	106,078	106,873	107,241
Unemployed	9,582	8,868	8,472	8,445	8,321	8,407	8,347	8,274	8,214	8,256	8,379	8,191	8,138
Unemployment rate ⁴	8.4	7.8	7.4	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	6.8	6.8
Not in labor force	62,785	63,138	62,607	62,791	62,874	62,494	62,771	62,947	62,754	62,817	62,693	62,664	62,807
Men													
Noninstitutional population ¹	84,424	84,812	85,026	85,263	85,523	85,695	85,899	86,133	86,376	86,957	87,201	87,463	87,775
Labor force ¹	64,841	65,007	65,292	65,487	65,709	65,774	65,887	65,998	66,220	66,732	66,854	67,002	67,321
Percent of population ²	76.8	76.6	76.8	76.8	76.8	76.8	76.7	76.6	76.7	76.7	76.7	76.6	76.7
Total employed ¹	59,331	60,008	60,584	60,838	61,143	61,202	61,353	61,511	61,742	62,252	62,257	62,471	62,795
Employment-population ratio ³	70.3	70.8	71.3	71.4	71.5	71.4	71.4	71.4	71.5	71.6	71.4	71.4	71.5
Resident Armed Forces	1,538	1,541	1,546	1,562	1,553	1,552	1,554	1,569	1,551	1,539	1,533	1,540	1,592
Civilian employed	57,793	58,466	59,038	59,276	59,590	59,650	59,799	59,942	60,191	60,712	60,724	60,931	61,203
Unemployed	5,511	4,999	4,707	4,649	4,566	4,572	4,535	4,486	4,479	4,480	4,596	4,531	4,525
Unemployment rate ⁴	8.5	7.7	7.2	7.1	6.9	7.0	6.9	6.8	6.8	6.7	6.9	6.8	6.7
Not in labor force	19,583	19,806	19,734	19,776	19,814	19,921	20,011	20,136	20,155	20,225	20,347	20,460	20,454
Women													
Noninstitutional population ¹	92,215	92,552	92,790	93,043	93,311	93,527	93,751	94,000	94,265	94,560	94,807	95,067	95,341
Labor force ¹	49,013	49,219	49,918	50,027	50,251	50,954	50,991	51,190	51,667	51,967	52,462	52,864	52,985
Percent of population ²	53.2	53.2	53.8	53.8	53.9	54.5	54.4	54.5	54.8	55.0	55.3	55.6	55.6
Total employed ¹	44,942	45,351	46,153	46,232	46,495	47,119	47,179	47,403	47,931	48,192	48,679	49,204	49,375
Employment-population ratio ³	48.7	49.0	49.7	49.7	49.8	50.4	50.3	50.4	50.8	51.0	51.3	51.8	51.8
Resident Armed Forces	151	144	145	148	148	148	149	151	149	152	154	155	155
Civilian employed	44,790	45,207	46,008	46,083	46,348	46,971	47,029	47,251	47,782	48,040	48,525	49,049	49,217
Unemployed	4,071	3,869	3,765	3,796	3,756	3,835	3,812	3,787	3,736	3,775	3,783	3,659	3,612
Unemployment rate ⁴	8.3	7.9	7.5	7.6	7.5	7.5	7.5	7.4	7.2	7.3	7.2	6.9	6.8
Not in labor force	43,202	43,333	42,872	43,016	43,060	42,573	42,761	42,810	42,598	42,593	42,346	42,204	42,354

¹ Includes members of the Armed Forces stationed in the United States.

² Labor force as a percent of the noninstitutional population.

³ Total employment as a percent of the noninstitutional population.

⁴ Unemployment as a percent of the labor force (including the resident Armed Forces).

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-42 through A-53 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Civilian noninstitutional population ¹	174,950	175,679	176,125	176,595	177,133	177,522	177,946	178,414	178,941	179,825	180,321	180,835	181,365
Civilian labor force	112,165	112,541	113,518	113,804	114,259	115,028	115,175	115,467	116,187	117,008	117,628	118,171	118,558
Percent of population	64.1	64.1	64.5	64.4	64.5	64.8	64.7	64.7	64.9	65.1	65.2	65.3	65.4
Employed	102,583	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420
Employment-population ratio ²	58.6	59.0	59.6	59.7	59.8	60.1	60.0	60.1	60.3	60.5	60.6	60.8	60.9
Unemployed	9,582	8,868	8,472	8,445	8,321	8,407	8,347	8,274	8,214	8,256	8,379	8,191	8,138
Unemployment rate	8.5	7.9	7.5	7.4	7.3	7.3	7.2	7.2	7.1	7.1	7.1	6.9	6.9
Men, 20 years and over													
Civilian noninstitutional population ¹	75,325	75,786	76,074	76,356	76,660	76,831	77,064	77,313	77,571	78,169	78,393	78,647	78,883
Civilian labor force	59,055	59,307	59,586	59,835	60,014	60,012	60,194	60,319	60,580	61,137	61,189	61,329	61,646
Percent of population	78.4	78.3	78.3	78.4	78.3	78.1	78.1	78.0	78.1	78.2	78.1	78.0	78.1
Employed	54,435	55,154	55,681	55,984	56,249	56,247	56,439	56,645	56,929	57,428	57,417	57,579	57,860
Employment-population ratio ²	72.3	72.8	73.2	73.3	73.4	73.2	73.2	73.3	73.4	73.5	73.2	73.2	73.3
Agriculture	2,374	2,382	2,426	2,434	2,433	2,364	2,314	2,223	2,228	2,330	2,302	2,249	2,296
Nonagricultural industries	52,061	52,772	53,256	53,550	53,816	53,883	54,125	54,422	54,701	55,098	55,115	55,330	55,563
Unemployed	4,620	4,153	3,904	3,851	3,765	3,765	3,756	3,675	3,651	3,710	3,772	3,750	3,786
Unemployment rate	7.8	7.0	6.6	6.4	6.3	6.3	6.2	6.1	6.0	6.1	6.2	6.1	6.1
Not in labor force	16,270	16,479	16,488	16,521	16,646	16,819	16,870	16,994	16,991	17,032	17,204	17,318	17,237
Women, 20 years and over													
Civilian noninstitutional population ¹	84,554	84,962	85,273	85,586	85,895	86,094	86,377	86,651	86,900	87,187	87,449	87,699	87,935
Civilian labor force	45,045	45,265	45,927	46,049	46,348	46,955	47,138	47,305	47,726	47,990	48,451	48,916	48,993
Percent of population	53.3	53.3	53.9	53.8	54.0	54.5	54.6	54.6	54.9	55.0	55.4	55.8	55.7
Employed	41,736	42,110	42,861	42,941	43,243	43,803	43,976	44,155	44,668	44,902	45,362	45,910	46,048
Employment-population ratio ²	49.4	49.6	50.3	50.2	50.3	50.9	50.9	51.0	51.4	51.5	51.9	52.3	52.4
Agriculture	630	597	614	591	577	603	607	578	598	619	591	614	636
Nonagricultural industries	41,106	41,513	42,247	42,350	42,666	43,200	43,368	43,577	44,070	44,283	44,771	45,296	45,412
Unemployed	3,309	3,155	3,066	3,107	3,105	3,152	3,162	3,151	3,058	3,088	3,089	3,006	2,945
Unemployment rate	7.3	7.0	6.7	6.7	6.7	6.7	6.7	6.7	6.4	6.4	6.4	6.1	6.0
Not in labor force	39,509	39,697	39,346	39,537	39,547	39,139	39,239	39,346	39,174	39,197	38,998	38,783	38,942
Both sexes, 16 to 19 years													
Civilian noninstitutional population ¹	15,071	14,931	14,778	14,653	14,577	14,597	14,506	14,450	14,470	14,469	14,479	14,489	14,547
Civilian labor force	8,065	7,969	8,005	7,921	7,898	8,061	7,843	7,842	7,881	7,880	7,988	7,926	7,919
Percent of population	53.5	53.4	54.2	54.1	54.2	55.2	54.1	54.3	54.5	54.5	55.2	54.7	54.4
Employed	6,412	6,410	6,503	6,434	6,446	6,570	6,414	6,394	6,376	6,422	6,470	6,492	6,512
Employment-population ratio ²	42.5	42.9	44.0	43.9	44.2	45.0	44.2	44.2	44.1	44.4	44.7	44.8	44.8
Agriculture	300	321	305	306	313	346	329	293	266	263	278	245	247
Nonagricultural industries	6,111	6,088	6,198	6,128	6,133	6,225	6,085	6,101	6,110	6,159	6,191	6,247	6,265
Unemployed	1,653	1,559	1,502	1,487	1,451	1,490	1,429	1,448	1,505	1,458	1,518	1,434	1,407
Unemployment rate	20.5	19.6	18.8	18.8	18.4	18.5	18.2	18.5	19.1	18.5	19.0	18.1	17.8
Not in labor force	7,006	6,962	6,773	6,732	6,679	6,536	6,663	6,608	6,589	6,589	6,491	6,563	6,628

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
WHITE													
Civilian noninstitutional population ¹	151,327	152,101	152,234	152,386	152,666	153,196	153,491	153,825	154,204	154,893	155,245	155,609	155,980
Civilian labor force	97,674	97,986	98,626	98,492	98,812	99,595	99,684	99,888	100,536	101,126	101,571	102,098	102,410
Percent of population	64.5	64.4	64.8	64.6	64.7	65.0	64.9	64.9	65.2	65.3	65.4	65.6	65.7
Employed	90,456	91,324	92,293	92,257	92,608	93,331	93,435	93,705	94,472	94,945	95,366	96,013	96,320
Employment-population ratio ²	59.8	60.0	60.6	60.5	60.7	60.9	60.9	60.9	61.3	61.3	61.4	61.7	61.8
Unemployed	7,218	6,662	6,333	6,235	6,204	6,265	6,248	6,183	6,063	6,182	6,205	6,086	6,090
Unemployment rate	7.4	6.8	6.4	6.3	6.3	6.3	6.3	6.2	6.0	6.1	6.1	6.0	6.0
Men, 20 years and over													
Civilian labor force	52,022	52,235	52,422	52,495	52,606	52,679	52,838	52,917	53,145	53,543	53,542	53,650	53,980
Percent of population	78.9	78.7	78.8	78.8	78.7	78.5	78.5	78.4	78.6	78.6	78.4	78.3	78.0
Employed	48,423	49,043	49,467	49,612	49,725	49,814	49,964	50,082	50,390	50,703	50,684	50,818	51,070
Employment-population ratio ²	73.5	73.9	74.3	74.4	74.4	74.2	74.2	74.2	74.5	74.4	74.2	74.2	74.1
Unemployed	3,600	3,192	2,955	2,883	2,882	2,865	2,874	2,835	2,754	2,840	2,858	2,832	2,910
Unemployment rate	6.9	6.1	5.6	5.5	5.5	5.4	5.4	5.4	5.2	5.3	5.3	5.3	5.4
Women, 20 years and over													
Civilian labor force	38,563	38,705	39,174	39,127	39,337	39,939	40,042	40,203	40,565	40,767	41,139	41,590	41,550
Percent of population	52.8	52.7	53.3	53.1	53.3	53.9	53.9	54.0	54.3	54.4	54.8	55.3	55.1
Employed	36,177	36,413	36,923	36,862	37,083	37,625	37,725	37,909	38,354	38,473	38,895	39,400	39,420
Employment-population ratio ²	49.6	49.6	50.2	50.0	50.2	50.8	50.8	50.9	51.4	51.4	51.8	52.4	52.1
Unemployed	2,386	2,292	2,251	2,265	2,254	2,313	2,317	2,294	2,211	2,294	2,244	2,191	2,130
Unemployment rate	6.2	5.9	5.7	5.8	5.7	5.8	5.8	5.7	5.5	5.6	5.5	5.3	5.1
Both sexes, 16 to 19 years													
Civilian labor force	7,088	7,046	7,030	6,871	6,869	6,978	6,804	6,768	6,826	6,817	6,890	6,858	6,880
Percent of population	57.0	57.2	57.8	56.9	57.1	58.3	57.2	57.0	57.5	57.5	58.0	57.7	57.1
Employed	5,856	5,867	5,903	5,783	5,801	5,891	5,746	5,714	5,728	5,769	5,787	5,795	5,810
Employment-population ratio ²	47.1	47.6	48.5	47.9	48.3	49.2	48.3	48.2	48.3	48.6	48.7	48.8	48.1
Unemployed	1,232	1,178	1,127	1,088	1,068	1,087	1,057	1,054	1,098	1,048	1,103	1,063	1,070
Unemployment rate	17.4	16.7	16.0	15.8	15.5	15.6	15.5	15.6	16.1	15.4	16.0	15.5	15.1
Men	18.2	17.6	16.6	16.8	16.4	16.4	16.1	16.7	17.0	15.8	17.0	16.3	15.1
Women	16.4	15.8	15.4	14.8	14.6	14.7	14.9	14.3	15.1	14.9	14.9	14.6	15.1
BLACK													
Civilian noninstitutional population ¹	19,057	19,222	19,303	19,387	19,481	19,543	19,620	19,701	19,790	19,863	19,945	20,028	20,120
Civilian labor force	11,623	11,827	11,916	12,135	12,251	12,308	12,307	12,369	12,473	12,589	12,707	12,605	12,710
Percent of population	61.0	61.5	61.7	62.6	62.9	63.0	62.7	62.8	63.0	63.4	63.7	62.9	63.1
Employed	9,558	9,847	10,017	10,210	10,403	10,398	10,469	10,544	10,592	10,732	10,822	10,779	10,920
Employment-population ratio ²	50.2	51.2	51.9	52.7	53.4	53.2	53.4	53.5	53.5	54.0	54.3	53.8	54.1
Unemployed	2,066	1,980	1,899	1,925	1,848	1,910	1,838	1,824	1,881	1,857	1,885	1,826	1,790
Unemployment rate	17.8	16.7	15.9	15.9	15.1	15.5	14.9	14.7	15.1	14.7	14.8	14.5	14.1
Men, 20 years and over													
Civilian labor force	5,541	5,662	5,633	5,706	5,738	5,717	5,714	5,766	5,795	5,886	5,925	5,910	5,930
Percent of population	74.5	75.2	74.4	74.9	74.8	74.5	74.1	74.4	74.4	75.0	75.1	74.6	74.1
Employed	4,679	4,812	4,797	4,883	4,995	4,941	4,964	5,040	5,022	5,123	5,156	5,132	5,180
Employment-population ratio ²	62.9	63.9	63.3	64.1	65.1	64.4	64.4	65.0	64.4	65.3	65.4	64.8	65.1
Unemployed	863	850	836	823	744	776	751	726	773	763	770	778	750
Unemployment rate	15.6	15.0	14.8	14.4	13.0	13.6	13.1	12.6	13.3	13.0	13.0	13.2	12.1
Women, 20 years and over													
Civilian labor force	5,290	5,381	5,477	5,568	5,654	5,695	5,720	5,714	5,779	5,788	5,859	5,854	5,920
Percent of population	56.1	56.6	57.3	57.9	58.5	58.7	58.7	58.3	58.7	58.6	59.1	58.7	59.1
Employed	4,466	4,606	4,751	4,830	4,906	4,934	4,975	4,959	5,042	5,073	5,119	5,133	5,180
Employment-population ratio ²	47.4	48.4	49.7	50.2	50.7	50.9	51.0	50.6	51.2	51.4	51.6	51.5	51.1
Unemployed	824	775	726	738	748	761	745	755	736	715	740	721	740
Unemployment rate	15.6	14.4	13.3	13.3	13.2	13.4	13.0	13.2	12.7	12.4	12.6	12.3	12.1

See footnotes at end of table.

A-44. Employment status of the civilian noninstitutional population by race, sex, age, and Hispanic origin, seasonally adjusted—Continued

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
BLACK—Continued													
Both sexes, 16 to 19 years													
Civilian labor force	792	785	805	861	859	896	873	888	900	915	922	842	858
Percent of population	36.0	35.9	37.1	40.0	40.2	41.2	40.4	41.2	41.9	42.8	43.2	39.4	40.1
Employed	413	429	468	497	503	523	531	545	528	537	547	514	548
Employment-population ratio ²	18.8	19.6	21.6	23.1	23.5	24.1	24.5	25.3	24.6	25.1	25.6	24.1	25.6
Unemployed	379	356	337	364	356	373	342	343	372	378	375	327	310
Unemployment rate	47.8	45.4	41.9	42.3	41.5	41.6	39.2	38.6	41.3	41.3	40.7	38.9	36.1
Men	44.3	45.2	41.5	41.5	42.9	41.8	40.0	39.7	42.4	41.1	40.5	39.3	36.3
Women	51.8	45.6	42.3	43.1	39.9	41.4	38.3	37.3	40.2	41.6	40.9	38.4	35.9
HISPANIC ORIGIN													
Civilian noninstitutional population ¹	11,198	11,311	11,423	11,533	11,643	11,753	11,862	11,969	12,075	12,184	12,290	12,397	12,504
Civilian labor force	7,146	7,282	7,394	7,503	7,612	7,572	7,623	7,787	7,802	7,881	8,020	8,143	8,249
Percent of population	63.8	64.4	64.7	65.1	65.4	64.4	64.3	65.1	64.6	64.7	65.3	65.7	66.0
Employed	6,286	6,474	6,590	6,716	6,813	6,797	6,816	6,968	6,960	7,027	7,163	7,268	7,409
Employment-population ratio ²	56.1	57.2	57.7	58.2	58.5	57.8	57.5	58.2	57.6	57.7	58.3	58.6	59.3
Unemployed	860	808	804	787	799	776	807	819	842	855	857	876	839
Unemployment rate	12.0	11.1	10.9	10.5	10.5	10.2	10.6	10.5	10.8	10.8	10.7	10.8	10.2

¹ The population figures are not adjusted for seasonal variation.

² Civilian employment as a percent of the civilian noninstitutional population.

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented

and Hispanics are included in both the white and black population groups. Seasonally adjusted data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Employed and unemployed full- and part-time workers by sex, and age, seasonally adjusted

(In thousands)

Full- and part- time status, sex, and age	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
EMPLOYED													
Full-time workers	84,003	85,189	86,488	86,967	87,461	88,040	88,461	88,422	89,252	89,786	90,131	90,892	91,276
Men, 16 years and over	51,658	52,360	53,065	53,336	53,526	53,580	53,855	53,869	54,151	54,545	54,518	54,757	54,925
Men, 20 years and over	50,199	50,930	51,580	51,888	52,083	52,127	52,362	52,461	52,749	53,181	53,136	53,367	53,585
Women, 16 years and over	32,380	32,857	33,454	33,638	33,947	34,418	34,591	34,564	35,118	35,218	35,615	36,154	36,388
Women, 20 years and over	31,352	31,805	32,408	32,543	32,857	33,327	33,535	33,492	34,059	34,194	34,541	35,122	35,378
Both sexes, 16 to 19 years	2,453	2,454	2,500	2,537	2,522	2,586	2,564	2,469	2,444	2,411	2,454	2,402	2,313
Part-time workers	18,551	18,448	18,518	18,376	18,490	18,590	18,372	18,736	18,767	18,957	19,102	19,027	19,187
Men, 16 years and over	6,146	6,077	5,987	5,952	6,067	6,018	5,956	6,082	6,056	6,137	6,215	6,178	6,299
Men, 20 years and over	4,235	4,202	4,119	4,085	4,166	4,114	4,089	4,163	4,183	4,247	4,291	4,186	4,277
Women, 16 years and over	12,427	12,368	12,513	12,441	12,441	12,562	12,395	12,664	12,729	12,814	12,869	12,856	12,910
Women, 20 years and over	10,401	10,323	10,419	10,381	10,422	10,496	10,405	10,637	10,662	10,717	10,786	10,744	10,733
Both sexes, 16 to 19 years	3,915	3,923	3,980	3,910	3,902	3,980	3,878	3,937	3,922	3,993	4,025	4,097	4,177
UNEMPLOYED													
Looking for full-time work	8,013	7,374	6,975	6,942	6,887	6,896	6,783	6,778	6,705	6,759	6,827	6,647	6,609
Men, 16 years and over	4,834	4,375	4,110	4,074	3,999	3,942	3,940	3,924	3,889	3,863	3,990	3,901	3,907
Men, 20 years and over	4,360	3,898	3,654	3,616	3,520	3,529	3,503	3,446	3,427	3,484	3,525	3,495	3,535
Women, 16 years and over	3,135	2,996	2,894	2,878	2,905	2,901	2,870	2,874	2,834	2,844	2,858	2,755	2,717
Women, 20 years and over	2,737	2,628	2,524	2,534	2,543	2,568	2,554	2,550	2,476	2,519	2,529	2,435	2,388
Both sexes, 16 to 19 years	917	849	797	792	825	799	726	782	802	755	772	717	685
Looking for part-time work	1,577	1,490	1,484	1,519	1,431	1,510	1,555	1,511	1,503	1,495	1,544	1,559	1,520
Men, 16 years and over	638	633	622	582	574	590	618	578	598	578	624	636	619
Men, 20 years and over	262	256	252	235	245	236	252	230	226	225	244	251	253
Women, 16 years and over	935	867	868	925	857	925	939	921	911	919	926	904	915
Women, 20 years and over	576	523	538	580	561	581	611	603	577	565	564	579	551
Both sexes, 16 to 19 years	739	711	694	704	626	693	692	678	700	706	736	728	715

NOTE: Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time; unemployed persons are classified according to whether

they are seeking full- or part-time jobs. Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employed civilians by selected social and economic categories, seasonally adjusted

(In thousands)

Category	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTIC													
Total	102,583	103,673	105,046	105,359	105,938	106,620	106,828	107,193	107,973	108,752	109,249	109,980	110,420
Married men, spouse present	38,414	38,778	39,016	39,165	39,271	39,392	39,163	39,139	39,307	39,439	39,566	39,687	39,942
Married women, spouse present	24,986	25,178	25,696	25,717	25,928	26,090	26,134	26,375	26,718	26,759	27,086	27,370	27,352
Women who maintain families	5,278	5,371	5,549	5,528	5,418	5,561	5,639	5,601	5,590	5,727	5,751	5,857	6,021
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,507	1,497	1,566	1,554	1,603	1,581	1,579	1,484	1,514	1,603	1,512	1,511	1,588
Self-employed workers	1,563	1,592	1,546	1,563	1,517	1,507	1,472	1,445	1,415	1,459	1,477	1,427	1,425
Unpaid family workers	241	212	219	214	209	225	189	175	165	164	171	168	171
Nonagricultural industries:													
Wage and salary workers	91,151	92,230	93,503	93,912	94,591	95,262	95,517	95,968	96,747	97,638	98,073	98,530	98,960
Government	15,574	15,700	15,759	15,757	15,860	15,921	15,974	16,042	16,182	16,216	16,314	16,454	16,388
Private industries	75,576	76,529	77,744	78,154	78,732	79,341	79,543	79,926	80,566	81,422	81,759	82,076	82,572
Private households	1,250	1,205	1,305	1,200	1,243	1,297	1,223	1,266	1,211	1,227	1,279	1,239	1,196
Other industries	74,326	75,325	76,439	76,954	77,489	78,044	78,320	78,660	79,354	80,195	80,480	80,837	81,376
Self-employed workers	7,713	7,832	7,843	7,749	7,706	7,778	7,751	7,780	7,920	7,706	7,753	7,971	8,076
Unpaid family workers	426	336	340	322	341	328	297	280	251	258	241	268	252
PERSONS AT WORK PART TIME¹													
All industries:													
Part time for economic reasons	6,020	5,864	5,706	5,673	5,722	5,581	5,646	5,635	5,493	5,515	5,739	5,486	5,633
Slack work	2,556	2,472	2,301	2,387	2,544	2,444	2,539	2,444	2,298	2,371	2,525	2,454	2,478
Could only find part-time work	3,151	3,076	3,035	2,870	2,842	2,795	2,771	2,833	2,881	2,834	2,859	2,725	2,802
Voluntary part time	13,113	13,009	13,317	13,148	13,191	13,449	13,299	13,566	13,653	13,818	13,965	13,957	14,025
Nonagricultural industries:													
Part time for economic reasons	5,765	5,645	5,457	5,440	5,498	5,319	5,370	5,369	5,271	5,269	5,486	5,265	5,370
Slack work	2,421	2,340	2,169	2,241	2,400	2,270	2,360	2,290	2,174	2,211	2,391	2,305	2,322
Could only find part-time work	3,039	2,986	2,944	2,794	2,768	2,709	2,693	2,735	2,784	2,753	2,761	2,666	2,710
Voluntary part time	12,617	12,532	12,848	12,691	12,731	12,984	12,836	13,129	13,212	13,364	13,518	13,568	13,586

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 have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-51. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
DURATION													
Less than 5 weeks	3,432	3,326	3,264	3,422	3,402	3,561	3,502	3,486	3,444	3,481	3,530	3,417	3,3
5 to 14 weeks	2,635	2,523	2,370	2,467	2,431	2,517	2,510	2,517	2,494	2,582	2,657	2,484	2,5
15 weeks and over	3,513	3,046	2,781	2,597	2,449	2,365	2,325	2,281	2,231	2,231	2,220	2,298	2,1
15 to 26 weeks	1,343	1,155	1,112	1,075	1,036	1,020	1,037	1,036	998	1,074	1,028	1,079	1,0
27 weeks and over	2,170	1,890	1,669	1,522	1,413	1,345	1,288	1,245	1,233	1,156	1,192	1,220	1,1
Average (mean) duration, in weeks	19.7	19.5	18.6	17.4	16.8	16.0	15.7	15.4	15.4	14.9	14.9	15.4	15.1
Median duration, in weeks	9.1	8.6	8.3	7.4	7.2	7.0	6.8	7.0	6.9	6.8	6.9	7.1	7.1
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	35.8	37.4	38.8	40.3	41.1	42.2	42.0	42.1	42.2	42.0	42.0	41.7	41.7
5 to 14 weeks	27.5	28.4	28.2	29.1	29.4	29.8	30.1	30.4	30.5	31.1	31.6	30.3	30.3
15 weeks and over	36.7	34.2	33.1	30.6	29.6	28.0	27.9	27.5	27.3	26.9	26.4	28.0	28.0
15 to 26 weeks	14.0	13.0	13.2	12.7	12.5	12.1	12.4	12.5	12.2	13.0	12.2	13.2	13.2
27 weeks and over	22.7	21.3	19.8	17.9	17.1	15.9	15.4	15.0	15.1	13.9	14.2	14.9	14.9

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

A-52. Unemployed persons by reason for unemployment, seasonally adjusted

(Numbers in thousands)

Reasons for unemployment	1983	1984				1985				1986			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
NUMBER OF UNEMPLOYED													
Job losers	5,280	4,722	4,375	4,295	4,228	4,225	4,082	4,194	4,043	4,053	4,174	3,977	3,94
On layoff	1,352	1,235	1,157	1,164	1,109	1,178	1,136	1,155	1,154	1,141	1,083	1,041	1,07
Other job losers	3,928	3,487	3,219	3,131	3,119	3,047	2,947	3,040	2,889	2,912	3,091	2,936	2,86
Job leavers	858	786	799	844	862	858	893	878	883	984	1,020	1,019	1,04
Reentrants	2,276	2,183	2,146	2,227	2,192	2,258	2,306	2,233	2,228	2,181	2,165	2,183	2,10
New entrants	1,158	1,162	1,150	1,094	1,037	1,055	1,060	997	1,047	1,036	1,048	1,014	1,02
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	55.2	53.3	51.7	50.8	50.8	50.3	48.9	50.5	49.3	49.1	49.6	48.5	48.5
On layoff	14.1	13.9	13.7	13.8	13.3	14.0	13.6	13.9	14.1	13.8	12.9	12.7	13.0
Other job losers	41.0	39.4	38.0	37.0	37.5	36.3	35.3	36.6	35.2	35.3	36.8	35.8	35.5
Job leavers	9.0	8.9	9.4	10.0	10.4	10.2	10.7	10.6	10.8	11.9	12.1	12.4	12.4
Reentrants	23.8	24.7	25.3	26.3	26.3	26.9	27.6	26.9	27.2	26.4	25.8	26.6	26.6
New entrants	12.1	13.1	13.6	12.9	12.5	12.6	12.7	12.0	12.8	12.6	12.5	12.4	12.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	4.7	4.2	3.9	3.8	3.7	3.7	3.5	3.6	3.5	3.5	3.5	3.4	3.4
On layoff .....	.8	.7	.7	.7	.8	.7	.8	.8	.8	.8	.9	.9	.9
Other job losers	2.0	1.9	1.9	2.0	1.9	2.0	2.0	1.9	1.9	1.9	1.8	1.8	1.8
Job leavers	1.0	1.0	1.0	1.0	.9	.9	.9	.9	.9	.9	.9	.9	.9

NOTE: Data have been revised based on the experience through December 1986. See the article in this issue for additional information.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	Total		Age							
	IV 1985	IV 1986	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL										
Total not in labor force	62,867	62,908	7,029	7,068	4,307	4,134	21,139	20,895	30,392	30,811
Do not want a job now	57,019	57,219	5,850	5,968	3,463	3,345	17,974	17,810	29,733	30,096
Current activity:										
Going to school	8,048	8,075	5,203	5,385	1,880	1,769	945	880	19	40
Ill, disabled	3,816	3,773	38	38	73	68	1,853	1,868	1,853	1,801
Keeping house	26,738	25,907	341	344	1,229	1,211	12,544	12,273	12,624	12,078
Retired	14,970	15,781	-	-	-	-	382	363	14,588	15,418
Other activity	3,447	3,683	268	201	281	297	2,250	2,426	649	759
Want a job now	5,847	5,690	1,178	1,102	843	789	3,163	3,084	659	713
Reason for not looking:										
School attendance	1,432	1,378	956	914	232	196	240	264	4	4
Ill health, disability	930	817	18	12	81	51	630	548	201	208
Home responsibilities	1,283	1,277	66	49	243	246	937	915	36	66
Think cannot get a job	1,149	1,120	70	84	155	158	704	654	219	223
Job-market factors	744	794	55	45	92	112	521	518	74	118
Personal factors	406	326	16	39	63	46	182	136	144	105
Other reasons ¹	1,053	1,097	68	43	132	138	652	703	199	214
Men										
Total not in labor force	20,470	20,773	3,434	3,486	1,503	1,398	3,881	4,015	11,653	11,873
Do not want a job now	18,529	18,807	2,849	2,934	1,215	1,152	3,125	3,186	11,340	11,535
Current activity:										
Going to school	4,098	4,109	2,677	2,776	1,008	938	405	381	8	14
Ill, disabled	1,996	2,000	24	21	36	42	1,065	1,059	870	876
Keeping house	372	421	20	16	13	25	141	148	199	231
Retired	10,131	10,209	-	-	-	-	323	291	9,808	9,919
Other activity	1,932	2,069	128	121	158	147	1,191	1,307	455	495
Want a job now	1,942	1,965	584	554	288	245	756	829	313	338
Reason for not looking:										
School attendance	679	647	487	474	117	74	72	95	2	4
Ill health, disability	436	396	9	4	40	23	297	256	91	114
Think cannot get a job	474	483	48	57	87	78	228	259	112	88
Other reasons ¹	352	440	40	19	44	70	159	219	108	132
Women										
Total not in labor force	42,396	42,136	3,595	3,582	2,804	2,736	17,258	16,880	18,739	18,938
Do not want a job now	38,490	38,411	2,999	3,033	2,250	2,194	14,849	14,625	18,393	18,560
Current activity:										
Going to school	3,950	3,966	2,525	2,611	873	830	540	498	12	26
Ill, disabled	1,820	1,773	13	14	37	27	787	809	982	923
Keeping house	26,365	25,486	321	328	1,216	1,187	12,405	12,124	12,425	11,848
Retired	4,839	5,572	-	-	-	-	59	73	4,780	5,499
Other activity	1,516	1,614	140	80	124	150	1,058	1,121	194	264
Want a job now	3,906	3,724	595	548	555	542	2,408	2,257	346	377
Reason not looking:										
School attendance	753	731	470	439	115	123	168	169	1	-
Ill health, disability	494	421	9	8	41	27	333	292	111	94
Home responsibilities	1,283	1,277	66	49	243	246	937	915	36	66
Think cannot get a job	675	637	22	28	69	79	476	396	107	135
Other reasons ¹	700	658	28	24	87	67	494	485	91	82

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

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

NOTE: Detail in tables A-54 and A-55 may not add to not-in-labor-

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	IV 1985	IV 1986	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
WHITE												
Total not in labor force	53,778	53,668	8,738	8,534	17,700	17,471	27,340	27,663	17,264	17,467	36,514	36,201
Do not want a job now	49,528	49,575	7,365	7,299	15,375	1,531	26,786	27,039	15,859	16,041	33,668	33,531
Current activity:												
Going to school	6,379	6,280	5,668	5,566	694	683	18	26	3,256	3,221	3,123	3,059
Ill, disabled	3,100	3,129	88	80	1,470	1,531	1,542	1,519	1,623	1,676	1,477	1,453
Keeping house	23,885	23,079	1,248	1,301	11,062	10,756	11,573	11,024	283	330	23,602	22,749
Retired	13,409	14,131	-	-	338	348	13,071	13,783	9,166	9,201	4,243	4,930
Other activity	2,754	2,953	361	352	1,811	1,913	582	687	1,531	1,613	1,223	1,340
Want a job now	4,251	4,095	1,376	1,235	2,326	2,239	553	624	1,405	1,425	2,846	2,670
Reason for not looking:												
School attendance	1,007	937	848	764	159	174	1	1	514	452	493	485
Ill health, disability	652	583	51	38	447	376	155	168	316	304	337	280
Home responsibilities	971	940	217	189	723	689	32	63	-	-	971	940
Think cannot get a job	765	772	113	125	464	452	188	196	292	326	473	445
Other reasons ¹	855	862	147	119	533	548	177	196	283	343	572	519
BLACK												
Total not in labor force	7,367	7,449	2,100	2,126	2,658	2,632	2,608	2,691	2,616	2,680	4,751	4,769
Do not want a job now	5,973	6,057	1,525	1,539	1,937	1,914	2,509	2,608	2,148	2,227	3,823	3,831
Current activity:												
Going to school	1,228	1,283	1,082	1,176	143	105	2	2	586	631	641	652
Ill, disabled	652	578	22	17	341	303	288	259	342	279	309	299
Keeping house	2,200	2,171	262	227	1,030	1,058	907	890	73	84	2,127	2,088
Retired	1,283	1,393	-	-	34	16	1,250	1,377	787	835	496	558
Other activity	610	631	159	119	389	432	62	80	360	398	250	234
Want a job now	1,394	1,393	573	588	723	721	97	84	467	454	928	939
Reason for not looking:												
School attendance	351	380	293	308	58	73	-	-	124	157	227	223
Ill health, disability	259	209	44	22	169	149	46	37	112	82	147	127
Home responsibilities	260	281	86	93	170	184	4	3	-	-	260	281
Think cannot get a job	357	302	102	104	224	172	30	26	173	127	185	175
Other reasons ¹	167	221	48	61	102	143	17	18	58	88	109	133
HISPANIC ORIGIN												
Total not in labor force	4,284	4,261	1,225	1,242	2,031	1,965	1,028	1,054	1,195	1,168	3,090	3,094
Do not want a job now	(²)	3,734	(²)	1,072	(²)	1,646	(²)	1,016	(²)	1,008	(²)	2,725
Current activity:												
Going to school	(²)	736	(²)	647	(²)	87	(²)	2	(²)	370	(²)	366
Ill, disabled	(²)	261	(²)	6	(²)	174	(²)	81	(²)	149	(²)	112
Keeping house	(²)	2,004	(²)	340	(²)	1,244	(²)	419	(²)	36	(²)	1,968
Retired	(²)	500	(²)	-	(²)	8	(²)	491	(²)	310	(²)	189
Other activity	(²)	233	(²)	78	(²)	133	(²)	23	(²)	143	(²)	90
Want a job now	(²)	527	(²)	172	(²)	317	(²)	36	(²)	159	(²)	369
Reason for not looking:												
School attendance	(²)	127	(²)	98	(²)	29	(²)	-	(²)	45	(²)	82
Ill health, disability	(²)	67	(²)	5	(²)	44	(²)	17	(²)	40	(²)	27
Home responsibilities	(²)	156	(²)	43	(²)	111	(²)	3	(²)	-	(²)	156
Think cannot get a job	(²)	98	(²)	8	(²)	79	(²)	10	(²)	43	(²)	55
Other reasons ¹	(²)	79	(²)	18	(²)	54	(²)	6	(²)	31	(²)	49

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

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised not-in-labor-

force data by reason are not available for 1985.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	4th Quarter 1986							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin ¹
TOTAL								
Personal factors:								
Employers think too young or old	134	10	-	32	92	113	14	9
Lacks education or training	127	24	26	74	2	82	31	27
Other personal handicap	66	5	19	31	11	58	2	-
Job-market factors:								
Could not find work	432	33	72	281	45	238	178	42
Thinks no job available	362	12	40	237	73	279	77	20
Men								
Personal factors:								
Employers think too young or old	48	4	-	11	34	36	8	9
Lacks education or training	48	18	16	14	-	26	14	
Other personal handicap	42	5	14	22	3	37		
Job-market factors:								
Could not find work	180	23	26	116	14	102	67	23
Thinks no job available	165	7	22	97	38	124	38	11
Women								
Personal factors:								
Employers think too young or old	85	6	-	21	57	77	6	-
Lacks education or training	79	7	10	60	2	56	17	27
Other personal handicap	23		5	9	9	21	2	-
Job-market factors:								
Could not find work	252	9	45	167	31	136	110	19
Thinks no job available	198	6	19	138	35	155	39	9

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates and are not comparable to previously published data.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-57. Work-seeking intentions of persons not in the labor force and work history of those who intend to seek work within the next 12 months by sex, age, and race

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	IV 1985	IV 1986	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL												
Do not intend to seek work	52,701	52,691	5,933	5,798	16,997	16,727	29,771	30,165	45,818	45,778	5,540	5,509
Intend to seek work in the next 12 months	10,165	10,216	5,402	5,403	4,142	4,167	620	646	7,959	7,889	1,827	1,940
Never worked	1,772	1,696	1,602	1,548	168	145	2	1	1,216	1,113	471	487
Last worked over 5 years ago	1,403	1,295	64	60	1,143	1,047	196	188	1,030	913	332	339
Last worked 1 to 5 years ago	2,217	2,157	659	628	1,338	1,291	219	237	1,685	1,654	440	410
Worked during previous 12 months ..	4,772	5,069	3,076	3,166	1,494	1,684	204	219	4,027	4,207	584	705
Men												
Do not intend to seek work	16,554	16,806	2,307	2,330	2,905	2,911	11,342	11,565	14,168	14,357	1,958	2,007
Intend to seek work in the next 12 months ..	3,916	3,966	2,629	2,555	975	1,102	311	309	3,095	3,109	657	673
Never worked	824	750	795	736	29	15	-	-	584	505	202	201
Last worked over 5 years ago	249	252	12	12	153	190	84	50	152	173	80	58
Last worked 1 to 5 years ago	678	698	248	105	326	379	105	4	512	533	135	126
Worked during previous 12 months ..	2,165	2,266	1,575	1,609	469	520	121	137	1,847	1,897	241	289
Women												
Do not intend to seek work	36,147	35,884	3,627	3,469	14,092	13,816	18,429	18,600	31,650	31,421	3,582	3,502
Intend to seek work in the next 12 months ..	6,249	6,251	2,773	2,849	3,164	3,064	310	338	4,864	4,780	1,170	1,267
Never worked	949	946	808	813	139	131	2	1	632	608	269	286
Last worked over 5 years ago	1,155	1,043	52	49	990	856	111	138	878	740	252	281
Last worked 1 to 5 years ago	1,538	1,459	413	430	1,012	914	114	115	1,173	1,121	305	284
Worked during previous 12 months ..	2,607	2,803	1,501	1,557	1,024	1,163	83	83	2,180	2,310	344	416

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-58. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL								
Civilian noninstitutional population	178,941	181,365	154,204	155,982	19,790	20,120	12,075	12,504
Civilian labor force	116,074	118,457	100,426	102,314	12,423	12,671	7,791	8,243
Percent of population	64.9	65.3	65.1	65.6	62.8	63.0	64.5	65.9
Employed	108,258	110,732	94,680	96,548	10,607	10,942	6,976	7,431
Agriculture	2,946	3,031	2,746	2,838	161	155	274	342
Nonagricultural industries	105,311	107,700	91,933	93,711	10,446	10,787	6,701	7,089
Unemployed	7,816	7,725	5,746	5,766	1,816	1,729	815	812
Unemployment rate	6.7	6.5	5.7	5.6	14.6	13.6	10.5	9.9
Not in labor force	62,867	62,908	53,778	53,668	7,367	7,449	4,284	4,261
Men, 16 years and over								
Civilian noninstitutional population	84,825	86,183	73,630	74,668	8,848	9,016	5,968	6,188
Civilian labor force	64,354	65,410	56,366	57,201	6,233	6,336	4,773	5,020
Percent of population	75.9	75.9	76.6	76.6	70.4	70.3	80.0	81.1
Employed	60,089	61,110	53,185	53,922	5,289	5,458	4,281	4,514
Agriculture	2,345	2,400	2,172	2,236	142	135	245	300
Nonagricultural industries	57,744	58,710	51,013	51,687	5,148	5,323	4,036	4,213
Unemployed	4,265	4,300	3,181	3,278	944	878	491	506
Unemployment rate	6.6	6.6	5.6	5.7	15.1	13.9	10.3	10.1
Not in labor force	20,470	20,773	17,264	17,467	2,616	2,680	1,195	1,168
Men, 20 years and over								
Civilian noninstitutional population	77,571	78,883	67,656	68,680	7,793	7,963	5,314	5,533
Civilian labor force	60,535	61,597	53,052	53,880	5,797	5,941	4,462	4,703
Percent of population	78.0	78.1	78.4	78.5	74.4	74.6	84.0	85.0
Employed	57,060	57,998	50,450	51,138	5,045	5,212	4,068	4,258
Agriculture	2,184	2,249	2,018	2,091	137	131	225	288
Nonagricultural industries	54,876	55,748	48,432	49,046	4,909	5,081	3,843	3,971
Unemployed	3,475	3,599	2,602	2,742	751	729	394	445
Unemployment rate	5.7	5.8	4.9	5.1	13.0	12.3	8.8	9.5
Not in labor force	17,037	17,286	14,604	14,800	1,997	2,022	852	830
Women, 16 years and over								
Civilian noninstitutional population	94,116	95,183	80,574	81,314	10,942	11,104	6,107	6,316
Civilian labor force	51,720	53,047	44,060	45,113	6,190	6,335	3,018	3,222
Percent of population	55.0	55.7	54.7	55.5	56.6	57.1	49.4	51.0
Employed	48,168	49,622	41,494	42,626	5,318	5,484	2,694	2,917
Agriculture	601	631	574	602	19	20	30	41
Nonagricultural industries	47,567	48,991	40,920	42,024	5,298	5,464	2,665	2,875
Unemployed	3,551	3,425	2,565	2,487	872	851	324	306
Unemployment rate	6.9	6.5	5.8	5.5	14.1	13.4	10.7	9.5
Not in labor force	42,396	42,136	36,514	36,201	4,751	4,769	3,090	3,094
Women, 20 years and over								
Civilian noninstitutional population	86,900	87,935	74,684	75,406	9,848	10,015	5,462	5,667
Civilian labor force	48,099	49,381	40,910	41,909	5,801	5,949	2,770	2,995
Percent of population	55.3	56.2	54.8	55.6	58.9	59.4	50.7	52.8
Employed	45,166	46,565	38,796	39,886	5,080	5,230	2,512	2,738
Agriculture	569	604	544	576	16	19	25	38
Nonagricultural industries	44,597	45,960	38,251	39,310	5,063	5,210	2,487	2,700
Unemployed	2,933	2,817	2,114	2,023	721	719	258	257
Unemployment rate	6.1	5.7	5.2	4.8	12.4	12.1	9.3	8.6
Not in labor force	38,801	38,554	33,775	33,496	4,047	4,066	2,692	2,672
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,470	14,547	11,864	11,896	2,149	2,142	1,299	1,305
Civilian labor force	7,441	7,479	6,465	6,525	826	781	559	546
Percent of population	51.4	51.4	54.5	54.8	38.4	36.5	43.0	41.8
Employed	6,032	6,170	5,434	5,525	482	501	396	435
Agriculture	194	178	184	170	8	6	24	16
Nonagricultural industries	5,838	5,992	5,250	5,354	474	495	371	419
Unemployed	1,409	1,309	1,030	1,000	344	280	163	111
Unemployment rate	18.9	17.5	15.9	15.3	41.7	35.9	29.2	20.3
Not in labor force	7,029	7,068	5,400	5,371	1,323	1,361	740	759

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

A-59. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL								
Civilian noninstitutional population	12,075	12,504	(²)	7,483	(²)	1,516	(²)	787
Civilian labor force	7,791	8,243	(²)	5,082	(²)	811	(²)	537
Percent of population	64.5	65.9	(²)	67.9	(²)	53.5	(²)	68.2
Employed	6,976	7,431	4,125	4,548	707	708	516	517
Agriculture	274	342	(²)	303	(²)	8	(²)	6
Nonagricultural industries	6,701	7,089	(²)	4,245	(²)	701	(²)	511
Unemployed	815	812	(²)	534	(²)	103	(²)	21
Unemployment rate	10.5	9.9	(²)	10.5	(²)	12.7	(²)	3.9
Not in labor force	4,284	4,261	(²)	2,401	(²)	705	(²)	249
Men, 16 years and over								
Civilian noninstitutional population	5,968	6,188	(²)	3,882	(²)	672	(²)	383
Civilian labor force	4,773	5,020	(²)	3,212	(²)	491	(²)	303
Percent of population	80.0	81.1	(²)	82.7	(²)	73.1	(²)	79.1
Employed	4,281	4,514	2,601	2,883	442	426	299	290
Agriculture	245	300	(²)	271	(²)	7	(²)	5
Nonagricultural industries	4,036	4,213	(²)	2,612	(²)	419	(²)	285
Unemployed	491	506	(²)	330	(²)	65	(²)	13
Unemployment rate	10.3	10.1	(²)	10.3	(²)	13.3	(²)	4.4
Not in labor force	1,195	1,168	(²)	670	(²)	181	(²)	80
Men, 20 years and over								
Civilian noninstitutional population	5,314	5,533	(²)	3,446	(²)	581	(²)	363
Civilian labor force	4,462	4,703	(²)	2,994	(²)	448	(²)	298
Percent of population	84.0	85.0	(²)	86.9	(²)	77.1	(²)	82.1
Employed	4,068	4,258	(²)	2,709	(²)	391	(²)	284
Agriculture	225	288	(²)	262	(²)	5	(²)	5
Nonagricultural industries	3,843	3,971	(²)	2,446	(²)	385	(²)	279
Unemployed	394	445	(²)	285	(²)	57	(²)	13
Unemployment rate	8.8	9.5	(²)	9.5	(²)	12.7	(²)	4.5
Not in labor force	852	830	(²)	452	(²)	134	(²)	65
Women, 16 years and over								
Civilian noninstitutional population	6,107	6,316	(²)	3,601	(²)	844	(²)	404
Civilian labor force	3,018	3,222	(²)	1,870	(²)	320	(²)	234
Percent of population	49.4	51.0	(²)	51.9	(²)	37.9	(²)	57.9
Employed	2,694	2,917	1,524	1,665	265	282	217	227
Agriculture	30	41	(²)	33	(²)	-	(²)	1
Nonagricultural industries	2,665	2,875	(²)	1,633	(²)	282	(²)	227
Unemployed	324	306	(²)	205	(²)	37	(²)	7
Unemployment rate	10.7	9.5	(²)	11.0	(²)	11.7	(²)	3.1
Not in labor force	3,090	3,094	(²)	1,731	(²)	524	(²)	170
Women, 20 years and over								
Civilian noninstitutional population	5,462	5,667	(²)	3,194	(²)	725	(²)	394
Civilian labor force	2,770	2,995	(²)	1,730	(²)	281	(²)	228
Percent of population	50.7	52.8	(²)	54.2	(²)	38.8	(²)	57.9
Employed	2,512	2,738	(²)	1,556	(²)	255	(²)	221
Agriculture	25	38	(²)	30	(²)	-	(²)	1
Nonagricultural industries	2,487	2,700	(²)	1,526	(²)	255	(²)	220
Unemployed	258	257	(²)	174	(²)	26	(²)	8
Unemployment rate	9.3	8.6	(²)	10.1	(²)	9.2	(²)	3.3
Not in labor force	2,692	2,672	(²)	1,464	(²)	445	(²)	166
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,299	1,305	(²)	843	(²)	209	(²)	30
Civilian labor force	559	546	(²)	359	(²)	83	(²)	12
Percent of population	43.0	41.8	(²)	42.6	(²)	39.7	(²)	(²)
Employed	396	435	(²)	284	(²)	63	(²)	12
Agriculture	24	16	(²)	12	(²)	2	(²)	-
Nonagricultural industries	371	419	(²)	273	(²)	61	(²)	12
Unemployed	163	111	(²)	75	(²)	20	(²)	-
Unemployment rate	29.2	20.3	(²)	20.8	(²)	24.3	(²)	(²)
Not in labor force	740	759	(²)	484	(²)	126	(²)	18

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

² Beginning in January 1986, data for persons of Hispanic origin have

been revised to reflect new population estimates. Revised data for these categories are not available.

³ Data not shown where base is less than 60,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-60. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
CHARACTERISTIC								
Total (all civilian workers)	108,258	110,732	94,680	96,548	10,607	10,942	6,976	7,431
Men	60,089	61,110	53,185	53,922	5,289	5,458	4,281	4,514
Women	48,168	49,622	41,494	42,626	5,318	5,484	2,694	2,917
OCCUPATION								
Managerial and professional specialty	26,383	27,150	23,990	24,635	1,551	1,638	897	934
Executive, administrative, and managerial	12,326	12,870	11,338	11,831	639	685	462	459
Professional specialty	14,057	14,280	12,652	12,804	912	953	435	475
Technical, sales, and administrative support	33,732	34,957	29,965	31,000	2,854	2,956	1,768	1,931
Technicians and related support	3,285	3,398	2,869	3,000	279	257	124	139
Sales occupations	12,940	13,654	11,871	12,522	747	769	632	700
Administrative support, including clerical	17,507	17,904	15,225	15,478	1,827	1,930	1,012	1,092
Service occupations	14,614	14,789	11,696	11,726	2,456	2,546	1,268	1,308
Private household	986	961	685	713	261	226	118	119
Protective service	1,765	1,769	1,468	1,454	274	288	108	88
Service, except private household and protective	11,864	12,059	9,543	9,559	1,901	2,031	1,042	1,102
Precision production, craft, and repair	13,449	13,533	12,181	12,164	976	1,029	1,017	1,053
Mechanics and repairers	4,477	4,343	4,083	3,930	293	318	313	319
Construction trades	4,869	4,982	4,444	4,530	349	371	326	358
Other precision production, craft, and repair	4,103	4,208	3,653	3,705	335	341	379	376
Operators, fabricators, and laborers	16,956	17,091	14,001	14,086	2,540	2,546	1,724	1,630
Machine operators, assemblers, and inspectors	7,860	7,810	6,443	6,388	1,169	1,145	937	953
Transportation and material moving occupations	4,530	4,657	3,860	3,898	600	677	333	366
Handlers, equipment cleaners, helpers, and laborers	4,567	4,625	3,699	3,800	772	724	454	511
Construction laborers	705	714	588	599	109	104	107	107
Other handlers, equipment cleaners, helpers, and laborers	3,861	3,911	3,111	3,201	663	620	347	405
Farming, forestry, and fishing	3,124	3,212	2,846	2,936	230	227	300	375
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,407	1,479	1,258	1,340	126	116	245	303
Self-employed workers	1,391	1,399	1,343	1,347	33	39	29	37
Unpaid family workers	148	153	145	151	2	1		2
Nonagricultural industries:								
Wage and salary workers	97,054	99,270	84,276	85,892	10,091	10,423	6,351	6,687
Government	16,342	16,553	13,529	13,545	2,360	2,486	883	868
Private industries	80,712	82,717	70,747	72,348	7,730	7,938	5,468	5,819
Private households	1,204	1,185	850	881	327	279	124	146
Other industries	79,508	81,532	69,897	71,466	7,403	7,659	5,344	5,673
Self-employed workers	8,004	8,176	7,422	7,582	353	361	342	387
Unpaid family workers	254	254	235	236	3	2	8	15
FULL- AND PART-TIME STATUS²								
Full-time schedules	87,343	89,294	76,140	77,677	8,749	8,961	5,815	6,067
Part time for economic reasons	5,318	5,448	4,349	4,394	836	889	513	605
Part time for noneconomic reasons	15,597	15,989	14,191	14,478	1,022	1,093	648	759

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

² Employed persons with a job but not at work are distributed

according to whether they usually work full or part time.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-61. Employed civilians 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 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
CHARACTERISTIC								
Total (all civilian workers)	6,976	7,431	4,125	4,548	707	708	516	517
Men	4,281	4,514	2,601	2,883	442	426	299	290
Women	2,694	2,917	1,524	1,665	265	282	217	227
OCCUPATION								
Managerial and professional specialty	897	934	421	475	99	103	109	96
Executive, administrative, and managerial	462	459	200	233	53	57	62	49
Professional specialty	435	475	223	243	47	46	47	48
Technical, sales, and administrative support	1,768	1,931	980	1,061	178	223	169	177
Technicians and related support	124	139	72	81	13	11	8	12
Sales occupations	632	700	359	385	58	66	51	59
Administrative support, including clerical	1,012	1,092	547	595	108	146	110	105
Service occupations	1,268	1,308	703	772	128	120	65	68
Private household	118	119	61	63	2	2	4	5
Protective service	108	88	55	57	19	10	4	3
Service, except private household and protective	1,042	1,102	587	652	109	108	57	60
Precision production, craft, and repair	1,017	1,053	663	706	81	88	69	63
Mechanics and repairers	313	319	205	224	19	22	20	19
Construction trades	326	358	222	248	23	25	22	21
Other precision production, craft, and repair	379	376	236	233	40	40	28	24
Operators, fabricators, and laborers	1,724	1,830	1,088	1,207	209	166	101	105
Machine operators, assemblers, and inspectors	937	953	558	586	118	87	54	60
Transportation and material moving occupations	333	366	217	245	46	40	24	23
Handlers, equipment cleaners, helpers, and laborers	454	511	313	376	46	39	24	22
Construction laborers	107	107	84	93	4	2	4	2
Other handlers, equipment cleaners, helpers, and laborers	347	405	229	284	41	37	20	20
Farming, forestry, and fishing	300	375	268	327	9	9	3	7
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	245	303	231	272	5	8		5
Self-employed workers	29	37	22	30				1
Unpaid family workers	-	2	-	1				
Nonagricultural industries:								
Wage and salary workers	6,351	6,687	3,680	4,021	673	673	476	471
Government	883	868	517	564	106	106	43	32
Private industries	5,468	5,819	3,164	3,457	568	567	433	440
Private households	124	146	65	80	2	3	4	5
Other industries	5,344	5,673	3,099	3,377	566	564	429	435
Self-employed workers	342	387	185	213	28	27	39	37
Unpaid family workers	8	15	6	11	-	-	-	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	5,815	6,067	3,401	3,645	593	597	450	449
Part time for economic reasons	513	605	366	462	32	35	23	13
Part time for noneconomic reasons	648	759	358	441	82	76	41	55

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 according to whether they usually work full or part time.

NOTE: Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-62. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
Total, 16 years and over	108,258	110,732	94,680	96,548	10,607	10,942	6,976	7,431
16 to 19 years	6,032	6,170	5,434	5,525	482	501	396	435
16 to 17 years	2,299	2,504	2,115	2,305	143	141	99	153
18 to 19 years	3,734	3,666	3,320	3,220	339	360	297	282
20 to 24 years	13,952	13,704	12,215	11,945	1,415	1,417	1,218	1,265
25 years and over	88,273	90,857	77,030	79,079	8,710	9,024	5,363	5,731
25 to 54 years	73,851	76,435	64,189	66,209	7,442	7,802	4,780	5,145
55 years and over	14,422	14,422	12,842	12,869	1,267	1,221	582	586
Men, 16 years and over	60,089	61,110	53,185	53,922	5,289	5,458	4,281	4,514
16 to 19 years	3,030	3,112	2,736	2,785	244	247	214	256
16 to 17 years	1,157	1,229	1,066	1,129	72	66	55	80
18 to 19 years	1,873	1,884	1,669	1,656	171	180	158	175
20 to 24 years	7,269	7,153	6,349	6,256	746	731	735	778
25 years and over	49,791	50,844	44,100	44,882	4,299	4,481	3,334	3,480
25 to 54 years	41,287	42,384	36,426	37,233	3,646	3,853	2,975	3,093
55 years and over	8,504	8,461	7,674	7,648	652	626	359	386
Women, 16 years and over	48,168	49,622	41,494	42,626	5,318	5,484	2,694	2,917
16 to 19 years	3,003	3,057	2,699	2,740	238	255	182	179
16 to 17 years	1,142	1,275	1,048	1,175	71	74	44	72
18 to 19 years	1,861	1,782	1,650	1,564	167	180	139	107
20 to 24 years	6,683	6,551	5,866	5,689	669	686	483	487
25 years and over	38,483	40,014	32,930	34,197	4,411	4,543	2,029	2,251
25 to 54 years	32,564	34,051	27,763	28,976	3,796	3,949	1,805	2,050
55 years and over	5,919	5,962	5,168	5,221	615	595	224	201

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

A-63. Unemployment rates by sex, age, race, and Hispanic origin

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
Total, 16 years and over	6.7	6.5	5.7	5.6	14.6	13.6	10.5	9.9
16 to 19 years	18.9	17.5	15.9	15.3	41.7	35.9	29.2	20.3
16 to 17 years	21.3	19.1	18.4	16.7	48.0	45.5	40.0	22.5
18 to 19 years	17.4	16.4	14.3	14.3	38.5	31.1	24.6	19.0
20 to 24 years	10.3	9.8	8.3	7.9	24.1	23.1	12.0	11.9
25 years and over	5.2	5.1	4.5	4.5	10.5	10.2	8.3	8.5
25 to 54 years	5.4	5.4	4.7	4.7	11.3	10.6	8.3	8.6
55 years and over	3.7	3.7	3.6	3.3	5.4	7.2	8.4	7.1
Men, 16 years and over	6.6	6.6	5.6	5.7	15.1	13.9	10.3	10.1
16 to 19 years	20.7	18.4	17.5	16.1	44.1	37.6	31.4	19.5
16 to 17 years	22.3	19.9	19.5	17.9	47.8	45.2	38.7	21.6
18 to 19 years	19.7	17.3	16.1	14.9	42.3	34.2	28.5	18.5
20 to 24 years	10.5	10.2	8.9	8.6	21.6	21.4	12.5	12.5
25 years and over	5.0	5.2	4.3	4.6	11.3	10.6	8.0	8.7
25 to 54 years	5.2	5.4	4.4	4.8	12.1	10.8	8.0	8.8
55 years and over	3.9	4.1	3.7	3.5	6.4	9.3	8.0	7.9
Women, 16 years and over	6.9	6.5	5.8	5.5	14.1	13.4	10.7	9.5
16 to 19 years	17.1	16.6	14.3	14.5	38.9	34.1	26.4	21.4
16 to 17 years	20.3	18.3	17.2	15.6	48.1	45.8	41.8	23.5
18 to 19 years	15.0	15.3	12.4	13.6	34.0	27.6	19.7	19.9
20 to 24 years	10.2	9.4	7.7	7.1	26.7	24.8	11.2	10.8
25 years and over	5.4	5.1	4.7	4.4	9.8	9.8	8.9	8.1
25 to 54 years	5.7	5.4	4.9	4.7	10.6	10.5	8.8	8.3
55 years and over	3.5	3.1	3.4	2.9	4.3	5.0	9.2	5.6

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have

been revised and may differ slightly from previously published data.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-64. Unemployed persons by duration of unemployment, race, and Hispanic origin

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
DURATION								
Total, 16 years and over	7,816	7,725	5,746	5,766	1,816	1,729	815	812
Less than 5 weeks	3,289	3,221	2,507	2,480	674	636	363	379
5 to 14 weeks	2,481	2,501	1,837	1,860	559	576	271	262
15 weeks and over	2,047	2,003	1,402	1,426	583	517	180	171
15 to 26 weeks	899	902	633	656	240	215	91	90
27 weeks and over	1,147	1,100	769	770	343	302	89	81
Average (mean) duration, in weeks	15.4	15.1	14.4	14.4	18.5	17.5	12.4	12.6
Median duration, in weeks	6.7	6.9	6.3	6.5	8.4	8.2	6.3	5.9
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.1	41.7	43.6	43.0	37.1	36.8	44.6	46.6
5 to 14 weeks	31.7	32.4	32.0	32.3	30.8	33.3	33.3	32.3
15 weeks and over	26.2	25.9	24.4	24.7	32.1	29.9	22.1	21.1
15 to 26 weeks	11.5	11.7	11.0	11.4	13.2	12.4	11.2	11.1
27 weeks and over	14.7	14.2	13.4	13.4	18.9	17.5	10.9	10.0

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

A-65. Unemployed persons by reason for unemployment, race, and Hispanic origin

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin ¹	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,816	7,725	5,746	5,766	1,816	1,729	815	812
Job losers	3,877	3,769	2,904	2,816	855	844	459	449
On layoff	1,064	991	911	830	135	144	116	111
Other job losers	2,813	2,778	1,994	1,986	720	701	345	338
Job leavers	882	1,036	725	860	140	150	88	88
Reentrants	2,149	2,037	1,529	1,502	542	472	163	191
New entrants	910	883	588	587	280	262	104	85
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.6	48.8	50.5	48.8	47.1	48.8	56.1	55.3
On layoff	13.6	12.8	15.8	14.4	7.4	8.3	14.1	13.7
Other job losers	36.0	36.0	34.7	34.4	39.7	40.5	42.0	41.6
Job leavers	11.3	13.4	12.6	14.9	7.7	8.7	10.8	10.8
Reentrants	27.5	26.4	26.6	26.0	29.8	27.3	19.9	23.5
New entrants	11.6	11.4	10.2	10.2	15.4	15.2	12.7	10.5
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.3	3.2	2.9	2.8	6.9	6.7	5.9	5.4
Job leavers .....	.8	.9	.7	.8	1.1	1.2	1.1	1.1
Reentrants	1.9	1.7	1.5	1.5	4.4	3.7	2.1	2.3
New entrants .....	.8	.7	.6	.6	2.3	2.1	1.3	1.0

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-66. Employment status of male Vietnam-era veterans and nonveterans by age

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	IV 1985	IV 1986	Total		Employed		Unemployed			
			IV 1985	IV 1986	IV 1985	IV 1986	Number		Percent of labor force	
							IV 1985	IV 1986	IV 1985	IV 1986
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,681	7,785	7,174	7,266	6,817	6,933	357	333	5.0	4.6
30 to 44 years	6,458	6,331	6,219	6,073	5,901	5,770	317	303	5.1	5.0
30 to 34 years	1,298	1,065	1,249	1,016	1,156	935	93	80	7.4	7.9
35 to 39 years	3,247	2,894	3,136	2,785	2,974	2,647	162	138	5.2	5.0
40 to 44 years	1,913	2,372	1,834	2,272	1,771	2,188	63	85	3.4	3.7
45 years and over	1,223	1,454	955	1,193	915	1,163	40	30	4.2	2.5
NONVETERANS										
Total, 30 to 44 years	17,615	18,787	16,697	17,781	15,862	16,831	835	950	5.0	5.3
30 to 34 years	8,064	8,640	7,684	8,200	7,273	7,750	411	451	5.3	5.5
35 to 39 years	5,208	5,903	4,924	5,582	4,700	5,282	224	300	4.5	5.4
40 to 44 years	4,344	4,244	4,089	3,999	3,889	3,800	200	199	4.9	5.0

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

A-67. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL, 30 to 44 years												
Civilian noninstitutional population	5,750	5,616	607	609	(¹)	265	15,153	16,163	1,807	1,893	(¹)	1,640
Civilian labor force	5,562	5,402	568	573	(¹)	243	14,504	15,464	1,588	1,663	(¹)	1,528
Employed	5,309	5,156	514	522	(¹)	224	13,891	14,739	1,401	1,472	(¹)	1,389
Unemployed	253	246	54	51	(¹)	19	613	725	188	191	(¹)	139
Unemployment rate	4.5	4.5	9.5	9.0	(¹)	7.6	4.2	4.7	11.8	11.5	(¹)	9.1
30 to 34 years												
Civilian noninstitutional population	1,134	910	143	129	(¹)	56	6,962	7,451	838	892	(¹)	755
Civilian labor force	1,096	872	136	122	(¹)	51	6,714	7,149	732	785	(¹)	698
Employed	1,026	808	119	107	(¹)	47	6,418	6,800	631	697	(¹)	628
Unemployed	71	64	17	15	(¹)	4	295	349	102	88	(¹)	70
Unemployment rate	6.5	7.3	12.5	12.1	(¹)	(¹)	4.4	4.9	13.9	11.2	(¹)	10.0
35 to 39 years												
Civilian noninstitutional population	2,892	2,556	307	299	(¹)	123	4,492	5,081	505	567	(¹)	480
Civilian labor force	2,804	2,464	289	283	(¹)	111	4,274	4,855	450	503	(¹)	448
Employed	2,673	2,355	261	255	(¹)	101	4,113	4,640	398	427	(¹)	405
Unemployed	130	108	29	28	(¹)	10	161	215	52	76	(¹)	43
Unemployment rate	4.6	4.4	10.0	9.9	(¹)	9.4	3.8	4.4	11.6	15.1	(¹)	9.6
40 to 44 years												
Civilian noninstitutional population	1,724	2,150	157	181	(¹)	86	3,699	3,632	464	434	(¹)	405
Civilian labor force	1,662	2,066	143	169	(¹)	81	3,516	3,461	406	375	(¹)	382
Employed	1,610	1,993	134	160	(¹)	77	3,360	3,300	372	348	(¹)	355
Unemployed	52	73	8	9	(¹)	4	157	161	37	27	(¹)	26
Unemployment rate	3.1	3.5	5.6	5.1	(¹)	4.6	4.5	4.7	8.4	7.1	(¹)	6.9

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

NOTE: Male Vietnam-era veterans are those who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men

who never served in the Armed Forces; published data are limited to those 30 to 44 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-68. 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 1985					IV 1986				
	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	62,915	5,890	30.1	69.9	60.7	63,518	5,780	30.0	70.0	60.1
With children under 18 years of age	31,416	3,571	32.1	67.9	58.4	31,608	3,441	32.1	67.9	57.7
Married-couple families	50,424	4,139	21.3	78.7	69.6	50,625	4,014	20.7	79.3	69.1
With children under 18 years of age	24,386	2,554	20.0	80.0	70.4	24,246	2,426	19.6	80.4	70.0
Families maintained by women	10,055	1,405	52.8	47.2	37.2	10,450	1,450	53.0	47.0	37.7
With children under 18 years of age	6,134	887	63.5	36.5	27.5	6,412	896	62.9	37.1	27.3
Families maintained by men	2,436	347	42.8	57.2	49.1	2,444	316	43.0	57.0	47.8
With children under 18 years of age	897	130	56.2	43.8	34.6	950	119	55.5	44.5	36.1
White										
Total families	54,402	4,439	27.0	73.0	63.7	54,832	4,405	27.2	72.8	62.5
With children under 18 years of age	26,388	2,661	27.6	72.4	62.6	26,469	2,594	27.9	72.1	61.3
Married-couple families	45,625	3,424	21.0	79.0	69.9	45,740	3,351	20.8	79.2	68.8
With children under 18 years of age	21,690	2,088	19.1	80.9	71.0	21,502	2,002	19.4	80.6	69.8
Families maintained by women	6,841	758	49.5	50.5	40.1	7,182	829	49.2	50.8	40.3
With children under 18 years of age	3,978	474	58.9	41.1	31.4	4,212	499	57.3	42.7	31.3
Families maintained by men	1,935	257	40.9	59.1	50.2	1,910	224	40.9	59.1	50.2
With children under 18 years of age	719	99	55.6	44.4	35.4	755	93	52.7	47.3	38.7
Black										
Total families	6,913	1,256	40.5	59.5	50.8	6,975	1,206	41.1	58.9	50.2
With children under 18 years of age	4,053	779	47.0	53.0	44.9	4,103	738	47.5	52.5	44.8
Married-couple families	3,537	572	22.4	77.6	68.9	3,547	534	20.0	80.0	70.4
With children under 18 years of age	1,885	362	23.1	76.9	68.3	1,908	335	19.8	80.2	71.3
Families maintained by women	2,970	613	56.6	43.4	34.4	2,983	589	59.1	40.9	33.4
With children under 18 years of age	2,015	392	68.8	31.2	23.5	2,029	378	70.9	29.1	22.2
Families maintained by men	407	71	46.5	53.5	47.9	445	83	50.0	50.0	39.3
With children under 18 years of age	152	25	(¹)	(¹)	(¹)	166	26	(¹)	(¹)	(¹)
Hispanic origin										
Total families	(²)	(²)	(²)	(²)	(²)	4,250	624	34.8	65.2	54.2
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	2,792	442	39.1	60.9	50.6
Married-couple families	(²)	(²)	(²)	(²)	(²)	2,951	442	27.8	72.2	60.2
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	1,928	329	29.5	70.5	60.2
Families maintained by women	(²)	(²)	(²)	(²)	(²)	1,053	140	55.7	44.3	35.0
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	767	96	68.0	32.0	21.6
Families maintained by men	(²)	(²)	(²)	(²)	(²)	246	42	40.5	59.5	54.8
With children under 18 years of age	(²)	(²)	(²)	(²)	(²)	97	17	62.5	37.5	31.3

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

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-69. Unemployed persons by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1985				IV 1986			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	6,505	32.5	67.5	58.1	6,365	32.2	67.8	58.1
Husbands	1,529	42.7	57.3	43.0	1,601	38.6	61.4	45.8
With children under 18 years of age	979	45.1	54.9	38.6	1,018	41.8	58.2	41.8
Wives	1,356	16.7	83.3	76.1	1,253	17.0	83.0	75.6
With children under 18 years of age	909	15.3	84.7	77.2	815	14.9	85.1	77.9
Relatives in married-couple families	1,654	12.9	87.1	81.1	1,551	12.6	87.4	81.2
Women who maintain families	613	83.4	16.6	11.0	615	83.5	16.5	9.0
With children under 18 years of age	524	90.5	9.5	5.3	532	90.3	9.7	3.8
Relatives in families maintained by women	966	35.0	65.0	51.9	985	35.2	64.8	54.2
Men who maintain families	146	72.1	27.9	21.2	130	70.1	29.9	19.2
With children under 18 years of age	81	88.1	11.9	5.5	68	87.6	12.4	4.9
Relatives in families maintained by men	241	28.6	71.4	62.6	231	31.6	68.4	60.9
White								
Total unemployed in families ¹	4,785	29.3	70.7	61.2	4,762	29.3	70.7	60.6
Husbands	1,263	42.3	57.7	42.3	1,341	39.1	60.9	44.1
With children under 18 years of age	788	43.9	56.1	38.6	832	42.4	57.6	39.6
Wives	1,144	15.6	84.4	78.0	1,051	16.3	83.7	77.0
With children under 18 years of age	746	13.4	86.6	80.0	666	14.0	86.0	79.3
Relatives in married-couple families	1,287	12.0	88.0	82.2	1,250	11.8	88.2	82.1
Women who maintain families	338	78.9	21.1	13.8	332	80.9	19.1	9.5
With children under 18 years of age	275	88.9	11.1	5.3	286	87.3	12.7	4.5
Relatives in families maintained by women	475	31.8	68.2	54.9	535	32.7	67.3	56.6
Men who maintain families	109	71.7	28.3	20.0	89	69.3	30.7	18.3
With children under 18 years of age	62	87.8	12.2	5.2	49	(²)	(²)	(²)
Relatives in families maintained by men	169	22.7	77.3	67.9	163	29.2	70.8	64.4
Black								
Total unemployed in families ¹	1,504	42.5	57.5	49.0	1,412	42.3	57.7	49.0
Husbands	213	43.3	56.7	48.4	197	36.6	63.4	54.3
With children under 18 years of age	148	48.9	51.1	40.6	142	39.8	60.2	52.5
Wives	167	21.8	78.2	66.5	161	19.3	80.7	68.2
With children under 18 years of age	128	24.7	75.3	64.5	117	17.9	82.1	71.2
Relatives in married-couple families	305	16.8	83.2	77.1	260	16.6	83.4	76.0
Women who maintain families	258	89.3	10.7	7.5	271	87.1	12.9	7.7
With children under 18 years of age	235	92.6	7.4	5.4	239	93.8	6.2	3.1
Relatives in families maintained by women	473	38.5	61.5	49.1	424	38.4	61.6	51.5
Men who maintain families	27	(²)	(²)	(²)	37	(²)	(²)	(²)
With children under 18 years of age	13	(²)	(²)	(²)	18	(²)	(²)	(²)
Relatives in families maintained by men	59	(²)	(²)	(²)	61	41.0	59.0	49.4
Hispanic origin								
Total unemployed in families ¹	(²)	(²)	(²)	(²)	702	36.7	63.3	53.2
Husbands	(²)	(²)	(²)	(²)	210	50.2	49.8	37.1
With children under 18 years of age	(²)	(²)	(²)	(²)	167	54.0	46.0	34.2
Wives	(²)	(²)	(²)	(²)	112	22.3	77.7	68.3
With children under 18 years of age	(²)	(²)	(²)	(²)	89	22.8	77.2	72.0
Relatives in married-couple families	(²)	(²)	(²)	(²)	180	10.0	90.0	80.9
Women who maintain families	(²)	(²)	(²)	(²)	69	76.7	23.3	12.9
With children under 18 years of age	(²)	(²)	(²)	(²)	60	85.1	14.9	6.7
Relatives in families maintained by women	(²)	(²)	(²)	(²)	79	43.6	56.4	47.8
Men who maintain families	(²)	(²)	(²)	(²)	19	(²)	(²)	(²)
With children under 18 years of age	(²)	(²)	(²)	(²)	10	(²)	(²)	(²)
Relatives in families maintained by men	(²)	(²)	(²)	(²)	33	(²)	(²)	(²)

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

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

³ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.
NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-70. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1985				IV 1986			
	Total	Percent of employed:			Total	Percent of employed:		
		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 employed in families ¹	88,878	23.3	76.7	65.0	90,349	23.2	76.8	65.1
Husbands	38,167	31.2	68.8	49.9	38,194	30.6	69.4	50.6
With children under 18 years of age	22,413	32.9	67.1	44.8	22,226	32.5	67.5	45.1
Wives	26,466	8.8	91.2	86.3	27,054	9.2	90.8	85.8
With children under 18 years of age	14,569	4.9	95.1	91.1	14,769	5.6	94.4	90.2
Relatives in married-couple families	11,572	7.0	93.0	88.7	11,741	6.7	93.3	89.0
Women who maintain families	5,492	63.8	36.2	23.8	5,896	63.8	36.2	24.0
With children under 18 years of age	3,637	79.2	20.8	9.9	3,959	78.5	21.5	10.2
Relatives in families maintained by women	4,183	24.9	75.1	65.1	4,428	24.9	75.1	64.5
Men who maintain families	1,697	53.7	46.3	34.4	1,730	53.7	46.3	35.3
With children under 18 years of age	729	80.2	19.8	10.1	782	78.3	21.7	12.2
Relatives in families maintained by men	1,301	17.9	82.1	75.2	1,306	17.6	82.4	74.4
White								
Total employed in families ¹	78,139	22.7	77.3	65.2	79,126	22.6	77.4	65.4
Husbands	34,691	31.6	68.4	48.9	34,583	31.0	69.0	49.5
With children under 18 years of age	20,121	33.5	66.5	43.2	19,890	33.0	67.0	43.5
Wives	23,665	8.4	91.6	86.7	24,161	8.8	91.2	86.3
With children under 18 years of age	12,848	4.5	95.5	91.7	13,006	5.2	94.8	90.8
Relatives in married-couple families	10,371	6.9	93.1	88.9	10,434	6.5	93.5	89.3
Women who maintain families	3,879	61.1	38.9	25.0	4,232	61.2	38.8	25.4
With children under 18 years of age	2,557	77.0	23.0	10.3	2,802	76.8	23.2	10.4
Relatives in families maintained by women	3,091	25.2	74.8	65.1	3,262	24.6	75.4	64.5
Men who maintain families	1,387	52.7	47.3	35.4	1,399	52.9	47.1	35.7
With children under 18 years of age	591	79.6	20.4	10.7	639	77.1	22.9	12.8
Relatives in families maintained by men	1,055	17.4	82.6	75.4	1,054	17.3	82.7	75.3
Black								
Total employed in families ¹	8,280	29.9	70.1	61.1	8,528	30.0	70.0	61.4
Husbands	2,499	25.7	74.3	61.5	2,554	25.6	74.4	62.5
With children under 18 years of age	1,607	25.1	74.9	61.7	1,630	25.4	74.6	62.3
Wives	2,017	12.9	87.1	81.6	2,050	13.6	86.4	80.7
With children under 18 years of age	1,217	8.2	91.8	86.1	1,251	9.2	90.8	85.4
Relatives in married-couple families	859	9.4	90.6	86.7	937	8.8	91.2	86.7
Women who maintain families	1,495	71.1	28.9	20.3	1,492	71.6	28.4	19.9
With children under 18 years of age	1,016	84.3	15.7	8.7	1,054	83.9	16.1	9.0
Relatives in families maintained by women	969	24.5	75.5	64.5	1,025	26.6	73.4	64.3
Men who maintain families	251	60.4	39.6	26.3	270	60.7	39.3	30.9
With children under 18 years of age	123	82.5	17.5	7.4	122	86.2	13.8	7.8
Relatives in families maintained by men	190	21.7	78.3	72.2	200	20.8	79.2	67.8
Hispanic origin								
Total employed in families ¹	(?)	(?)	(?)	(?)	5,937	26.5	73.5	63.8
Husbands	(?)	(?)	(?)	(?)	2,332	37.9	62.1	49.0
With children under 18 years of age	(?)	(?)	(?)	(?)	1,640	41.2	58.8	44.2
Wives	(?)	(?)	(?)	(?)	1,450	9.0	91.0	84.6
With children under 18 years of age	(?)	(?)	(?)	(?)	956	8.8	91.2	84.7
Relatives in married-couple families	(?)	(?)	(?)	(?)	952	5.2	94.8	86.8
Women who maintain families	(?)	(?)	(?)	(?)	469	65.3	34.7	25.4
With children under 18 years of age	(?)	(?)	(?)	(?)	339	76.7	23.3	15.7
Relatives in families maintained by women	(?)	(?)	(?)	(?)	397	24.1	75.9	63.2
Men who maintain families	(?)	(?)	(?)	(?)	187	48.5	51.5	45.1
With children under 18 years of age	(?)	(?)	(?)	(?)	80	81.4	18.6	15.0
Relatives in families maintained by men	(?)	(?)	(?)	(?)	150	12.8	87.2	78.8

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-71. 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	
	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL				
Total families with earners ¹	41,775	42,337	\$534	\$552
Married-couple families	33,741	33,735	594	616
One earner	12,840	12,930	385	397
Husband	9,862	9,755	446	473
Wife	2,185	2,399	211	218
Other family member	793	776	202	217
Two or more earners	20,901	20,806	729	757
Husband and wife	18,185	18,278	739	770
Husband and other family member(s)	2,091	1,869	709	737
Wife and other family member(s)	475	466	446	482
Other family members only	150	193	535	463
Families maintained by women	6,330	6,834	304	316
One earner	4,343	4,682	238	251
Householder	3,418	3,746	247	258
Other family member	926	936	199	216
Two or more earners	1,987	2,152	495	500
Families maintained by men	1,703	1,767	448	439
One earner	994	1,046	347	327
Two or more earners	709	721	620	635
White				
Total families with earners ¹	36,005	36,156	558	576
Married-couple families	30,170	29,919	603	627
One earner	11,628	11,548	397	408
Husband	9,070	8,813	460	482
Wife	1,863	2,054	212	220
Two or more earners	18,542	18,371	738	768
Husband and wife	16,086	16,115	748	779
Families maintained by women	4,501	4,872	325	331
Families maintained by men	1,334	1,365	473	466
Black				
Total families with earners ¹	4,713	4,906	378	399
Married-couple families	2,700	2,817	491	514
One earner	869	1,015	249	269
Husband	536	652	287	305
Wife	255	295	201	195
Two or more earners	1,832	1,802	619	643
Husband and wife	1,638	1,609	641	663
Families maintained by women	1,709	1,769	256	273
Families maintained by men	304	319	362	364
Hispanic origin				
Total families with earners ¹	(²)	3,089	(²)	411
Married-couple families	(²)	2,292	(²)	468
One earner	(²)	949	(²)	284
Husband	(²)	775	(²)	304
Wife	(²)	127	(²)	200
Two or more earners	(²)	1,343	(²)	598
Husband and wife	(²)	1,078	(²)	639
Families maintained by women	(²)	601	(²)	277
Families maintained by men	(²)	196	(²)	370

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 Data on Hispanic families for 1985 are not available on a revised basis that reflects the adjustments to the population totals introduced in

January 1986.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-72. 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	
	IV 1985	IV 1986	IV 1985	IV 1986
Married-couple families ¹	2,818	2,870	\$379	\$370
Husband unemployed	778	952	213	242
Wife only earner	617	763	203	227
Wife and other earner(s)	95	108	(²)	492
Other earner(s) only	66	81	(²)	(²)
Wife unemployed	987	948	393	396
Husband only earner	830	795	348	371
Husband and other earner(s)	145	130	610	584
Other earner(s) only	11	23	(²)	(²)
Other member(s) unemployed	1,053	970	542	599
Husband or wife earner	442	428	409	434
Both husband and wife earners	542	500	748	768
Other combinations of earners	70	42	(²)	(²)
Families maintained by women ¹	638	614	265	284
Householder unemployed	89	76	(²)	(²)
Other member(s) unemployed	549	537	265	303
Families maintained by men ¹	207	188	334	337

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 Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-73. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	IV 1985	IV 1986	IV 1985	IV 1986
SEX AND AGE				
Total, 16 years and over	77,258	78,779	\$351	\$368
Men, 16 years and over	45,683	46,094	413	428
16 to 24 years	6,646	6,432	251	254
25 years and over	39,037	39,662	450	472
Women, 16 years and over	31,575	32,685	283	296
16 to 24 years	5,424	5,301	212	226
25 years and over	26,151	27,384	300	312
FAMILY RELATIONSHIP				
Husbands	30,489	30,773	464	481
Wives	16,719	17,086	289	302
Women who maintain families	4,263	4,639	288	298
Men who maintain families	1,347	1,393	393	376
Other persons in families:				
Men	6,007	5,869	249	260
Women	4,037	4,030	217	229
All other men ¹	7,838	8,057	388	399
All other women ¹	6,559	6,933	309	321
RACE AND HISPANIC ORIGIN				
White	66,504	67,692	364	380
Men	40,027	40,267	424	445
Women	26,476	27,425	287	301
Black	8,535	8,719	281	293
Men	4,414	4,460	307	320
Women	4,122	4,258	255	265
Hispanic origin	(²)	5,694	(²)	285
Men	(²)	3,692	(²)	301
Women	(²)	2,002	(²)	255

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

² Data on Hispanic wage and salary earners for 1985 are not available on a revised basis that reflects the adjustments to the

population totals introduced in January 1986.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	IV 1985	IV 1986	IV 1985	IV 1986
SEX AND AGE				
Total, 16 years and over	18,313	18,902	\$95	\$99
Men, 16 years and over	5,537	5,878	87	95
16 to 24 years	3,249	3,425	71	77
25 years and over	2,288	2,453	118	126
Women, 16 years and over	12,776	13,024	98	100
16 to 24 years	4,097	4,128	72	71
25 years and over	8,679	8,897	111	115
FAMILY RELATIONSHIP				
Husbands	1,434	1,526	128	129
Wives	6,824	6,983	113	117
Women who maintain families	931	1,033	102	100
Men who maintain families	86	116	(¹)	133
Other persons in families:				
Men	3,002	3,219	69	76
Women	3,322	3,432	68	69
All other men ²	1,015	1,016	105	116
All other women ²	1,700	1,576	102	104
RACE AND HISPANIC ORIGIN				
White	16,251	16,654	95	99
Men	4,814	5,021	87	94
Women	11,437	11,633	99	101
Black	1,636	1,771	90	93
Men	571	682	82	99
Women	1,065	1,090	93	90
Hispanic origin	(³)	1,206	(³)	102
Men	(³)	440	(³)	105
Women	(³)	765	(³)	100

¹ Data not shown where base is less than 100,000.

² The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

³ Data on Hispanic wage and salary earners for 1985 are not

available on a revised basis that reflects the adjustments to the population totals introduced in January 1986.

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

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-75. Median weekly earnings of full-time wage and salary workers by occupation and sex

Occupation and sex	Number of workers (in thousands)		Median weekly earnings	
	IV 1985	IV 1986	IV 1985	IV 1986
TOTAL				
Managerial and professional specialty	19,755	20,532	\$493	\$511
Executive, administrative, and managerial	9,499	10,121	497	514
Professional specialty	10,256	10,411	490	508
Technical, sales, and administrative support	23,700	24,217	312	327
Technicians and related support	2,758	2,828	404	435
Sales occupations	7,222	7,306	350	354
Administrative support, including clerical	13,720	14,083	292	308
Service occupations	7,723	7,856	217	222
Private household	339	343	140	134
Protective service	1,511	1,496	384	403
Service, except private household and protective	5,872	6,016	204	209
Precision production, craft, and repair	11,006	11,064	402	412
Mechanics and repairers	3,916	3,720	409	422
Construction trades	3,490	3,526	396	405
Other precision production, craft, and repair	3,600	3,818	401	408
Operators, fabricators, and laborers	13,953	13,821	297	303
Machine operators, assemblers, and inspectors	7,028	6,907	290	295
Transportation and material moving occupations	3,597	3,677	357	369
Handlers, equipment cleaners, helpers, and laborers	3,328	3,237	257	269
Farming, forestry, and fishing	1,121	1,288	218	218
Men				
Managerial and professional specialty	11,267	11,566	587	610
Executive, administrative, and managerial	5,876	6,110	593	623
Professional specialty	5,391	5,456	581	599
Technical, sales, and administrative support	8,970	9,048	426	449
Technicians and related support	1,573	1,549	466	505
Sales occupations	4,355	4,396	434	454
Administrative support, including clerical	3,043	3,103	401	413
Service occupations	3,927	3,852	276	292
Private household	1	13	(¹)	(¹)
Protective service	1,378	1,366	397	410
Service, except private household and protective	2,548	2,474	233	244
Precision production, craft, and repair	10,092	10,141	412	423
Mechanics and repairers	3,750	3,567	409	422
Construction trades	3,453	3,495	397	406
Other precision production, craft, and repair	2,889	3,078	437	449
Operators, fabricators, and laborers	10,445	10,341	327	336
Machine operators, assemblers, and inspectors	4,309	4,143	345	356
Transportation and material moving occupations	3,381	3,473	367	375
Handlers, equipment cleaners, helpers, and laborers	2,754	2,724	269	275
Farming, forestry, and fishing	982	1,147	224	222
Women				
Managerial and professional specialty	8,488	8,966	406	424
Executive, administrative, and managerial	3,623	4,012	386	405
Professional specialty	4,865	4,955	419	445
Technical, sales, and administrative support	14,730	15,170	275	290
Technicians and related support	1,186	1,279	337	360
Sales occupations	2,867	2,910	236	243
Administrative support, including clerical	10,677	10,980	276	291
Service occupations	3,796	4,004	184	188
Private household	338	331	139	130
Protective service	133	131	270	313
Service, except private household and protective	3,324	3,543	187	191
Precision production, craft, and repair	914	923	271	276
Mechanics and repairers	166	153	414	409
Construction trades	37	30	(¹)	(¹)
Other precision production, craft, and repair	711	740	250	260
Operators, fabricators, and laborers	3,508	3,480	216	225
Machine operators, assemblers, and inspectors	2,718	2,764	215	220
Transportation and material moving occupations	216	204	287	296
Handlers, equipment cleaners, helpers, and laborers	574	512	212	236
Farming, forestry, and fishing	139	141	193	184

¹ Data not shown where base is less than 100,000.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-76. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	4th Quarter 1986							
	Metropolitan areas			Nonmetropolitan areas			Urban areas	Rural areas
	Total	Central cities	Suburbs	Total	Farm	Nonfarm		
TOTAL								
Civilian noninstitutional population	140,504	56,819	83,685	40,861	2,808	38,053	133,715	47,650
Civilian labor force	93,216	36,446	56,769	25,241	1,916	23,325	87,816	30,641
Percent of population	66.3	64.1	67.8	61.8	68.2	61.3	65.7	64.3
Employed	87,441	33,582	53,859	23,291	1,865	21,426	82,084	28,648
Unemployed	5,775	2,865	2,910	1,950	52	1,898	5,732	1,993
Unemployment rate	6.2	7.9	5.1	7.7	2.7	8.1	6.5	6.5
Not in labor force	47,288	20,373	26,915	15,620	892	14,729	45,899	17,009
Men, 20 years and over								
Civilian noninstitutional population	61,009	24,259	36,750	17,871	1,335	16,535	57,531	21,349
Civilian labor force	48,341	18,703	29,638	13,256	1,122	12,133	45,181	16,416
Percent of population	79.2	77.1	80.6	74.2	84.0	73.4	78.5	76.9
Employed	45,633	17,329	28,305	12,364	1,105	11,260	42,535	15,462
Unemployed	2,708	1,374	1,334	891	17	874	2,646	953
Unemployment rate	5.8	7.3	4.5	6.7	1.5	7.2	5.9	5.8
Not in labor force	12,668	5,557	7,112	4,615	213	4,402	12,349	4,934
Women, 20 years and over								
Civilian noninstitutional population	68,221	28,244	39,978	19,717	1,255	18,462	65,640	22,298
Civilian labor force	39,018	15,662	23,355	10,364	668	9,696	37,131	12,251
Percent of population	57.2	55.5	58.4	52.6	53.2	52.5	56.6	54.9
Employed	36,941	14,603	22,338	9,624	648	8,976	35,032	11,532
Unemployed	2,077	1,060	1,017	740	20	720	2,098	719
Unemployment rate	5.3	6.8	4.4	7.1	3.0	7.4	5.7	5.9
Not in labor force	29,204	12,581	16,622	9,353	587	8,766	28,509	10,048
Both sexes, 16 to 19 years								
Civilian noninstitutional population	11,273	4,316	6,957	3,274	218	3,055	10,545	4,002
Civilian labor force	5,857	2,081	3,776	1,622	126	1,495	5,504	1,974
Percent of population	52.0	48.2	54.3	49.5	57.9	48.9	52.2	49.3
Employed	4,867	1,650	3,217	1,303	112	1,191	4,516	1,653
Unemployed	990	431	559	319	14	305	988	321
Unemployment rate	16.9	20.7	14.8	19.7	11.2	20.4	18.0	16.3
Not in labor force	5,416	2,235	3,181	1,652	92	1,560	5,041	2,028
White								
Civilian noninstitutional population	119,376	42,692	76,684	36,605	2,743	33,862	111,952	44,030
Civilian labor force	79,539	27,657	51,882	22,775	1,877	20,898	73,616	28,499
Percent of population	66.6	64.8	67.7	62.2	68.4	61.7	65.9	64.7
Employed	75,353	25,973	49,380	21,196	1,835	19,361	69,766	26,782
Unemployed	4,187	1,684	2,502	1,579	42	1,537	4,049	1,716
Unemployment rate	5.3	6.1	4.8	6.9	2.2	7.4	5.5	6.0
Not in labor force	39,637	15,035	24,802	13,831	867	12,964	38,136	15,531
Black								
Civilian noninstitutional population	16,622	11,878	4,744	3,498	52	3,446	17,229	2,891
Civilian labor force	10,621	7,307	3,314	2,050	31	2,019	10,964	1,708
Percent of population	63.9	61.5	69.9	58.6	(¹)	58.6	63.6	59.1
Employed	9,199	6,212	2,986	1,744	23	1,721	9,455	1,486
Unemployed	1,423	1,095	327	306	7	299	1,509	220
Unemployment rate	13.4	15.0	9.9	14.9	(¹)	14.8	13.6	12.9
Not in labor force	6,001	4,571	1,430	1,448	22	1,427	6,266	1,184
Hispanic origin								
Civilian noninstitutional population	11,609	6,752	4,858	896	37	859	11,592	913
Civilian labor force	7,871	4,338	3,333	572	25	546	7,629	614
Percent of population	66.1	64.2	68.6	63.8	(¹)	63.6	65.8	67.2
Employed	6,937	3,879	3,058	494	25	468	6,887	543
Unemployed	734	459	275	78	-	78	742	70
Unemployment rate	9.6	10.6	8.3	13.7	(¹)	14.3	9.7	11.4
Not in labor force	3,937	2,414	1,523	324	12	312	3,962	299

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

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are

included in both the white and black population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**HOUSEHOLD DATA
NOT SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-77. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin

(Numbers in thousands)

Employment status, race, and Hispanic origin	4th Quarter 1986					
	Total United States		Metropolitan areas		Nonmetropolitan areas	
	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas
TOTAL						
Civilian noninstitutional population	27,936	153,430	18,459	122,045	9,477	31,384
Civilian labor force	15,974	102,483	10,502	82,714	5,472	19,769
Percent of population	57.2	66.8	56.9	67.8	57.7	63.0
Employed	13,963	96,769	9,084	78,357	4,878	18,413
Unemployed	2,011	5,714	1,417	4,358	593	1,356
Unemployment rate	12.6	5.6	13.5	5.3	10.8	6.9
Men, 20 years and over	11.5	5.0	12.4	4.7	9.8	5.9
Women, 20 years and over	11.0	4.9	11.6	4.5	9.8	6.4
Both sexes, 16 to 19 years	32.3	15.2	34.5	14.6	27.6	17.7
Men	32.6	16.0	35.8	15.5	26.4	18.0
Women	31.9	14.4	33.1	13.7	29.1	17.3
Not in labor force ..	11,962	50,946	7,957	39,331	4,005	11,615
White						
Civilian noninstitutional population	16,762	139,220	9,768	109,608	6,994	29,611
Civilian labor force	9,717	92,597	5,632	73,907	4,085	18,690
Percent of population	58.0	66.5	57.7	67.4	58.4	63.1
Employed	8,785	87,763	5,040	70,313	3,746	17,450
Unemployed	932	4,834	592	3,595	340	1,239
Unemployment rate	9.6	5.2	10.5	4.9	8.3	6.6
Men, 20 years and over	9.2	4.6	10.2	4.4	7.8	5.7
Women, 20 years and over	7.9	4.5	8.6	4.1	7.0	6.1
Both sexes, 16 to 19 years	24.1	14.5	25.5	13.7	21.9	17.5
Men	23.1	15.4	25.5	14.8	19.2	17.8
Women	25.2	13.5	25.4	12.6	24.9	17.1
Not in labor force ..	7,045	46,623	4,136	35,701	2,909	10,922
Black						
Civilian noninstitutional population	10,161	9,960	7,984	8,638	2,177	1,321
Civilian labor force	5,684	6,988	4,458	6,164	1,226	824
Percent of population	55.9	70.2	55.8	71.4	56.3	62.4
Employed	4,688	6,254	3,677	5,522	1,011	733
Unemployed	996	733	781	642	215	91
Unemployment rate	17.5	10.5	17.5	10.4	17.5	11.0
Men, 20 years and over	15.7	9.6	15.8	9.8	15.4	8.5
Women, 20 years and over	15.3	9.4	15.0	9.1	16.6	12.1
Both sexes, 16 to 19 years	44.8	26.9	45.9	27.5	40.7	(¹)
Men	47.2	27.3	50.2	27.5	(¹)	(¹)
Women	42.3	26.5	41.7	27.5	(¹)	(¹)
Not in labor force ..	4,477	2,972	3,526	2,475	951	497
Hispanic origin						
Civilian noninstitutional population	4,329	8,175	3,982	7,626	347	549
Civilian labor force	2,474	5,769	2,267	5,405	207	365
Percent of population	57.1	70.6	56.9	70.9	59.7	66.4
Employed	2,146	5,285	1,967	4,970	178	315
Unemployed	328	485	299	435	29	49
Unemployment rate	13.3	8.4	13.2	8.0	13.9	13.6
Men, 20 years and over	12.9	7.8	12.9	7.5	13.9	12.5
Women, 20 years and over	11.1	7.6	11.1	7.2	11.4	14.0
Both sexes, 16 to 19 years	25.9	17.6	25.9	17.5	(¹)	(¹)
Men	21.1	18.6	21.4	18.7	(¹)	(¹)
Women	34.8	16.5	(¹)	16.0	(¹)	(¹)
Not in labor force ..	1,855	2,406	1,716	2,222	140	184

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

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

population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-2. Employees on nonagricultural payrolls by detailed industry

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Total		99,428	99,546	101,595	101,874	101,991					
Total private		82,534	82,686	84,554	84,661	84,810	66,830	66,946	68,460	68,560	68,691
Mining		911	901	747	747	738	647	639	525	528	519
Metal mining	10	45.1	43.8	40.4	40.9		33.1	32.0	29.9	30.3	
Iron ores	101	9.6	8.0	7.1	7.2		7.2	5.8	5.2	5.3	
Copper ores	102	13.1	13.5	12.8	13.0		9.6	10.0	10.0	10.2	
Coal mining	11,12	184.5	181.3	170.9	170.8		150.8	147.7	140.2	140.5	
Bituminous coal and lignite mining	12	182.4	179.2	168.6	168.5		149.3	146.2	138.3	138.6	
Oil and gas extraction	13	568.5	569.7	422.7	424.4	421.7	377.7	379.7	268.5	272.2	
Crude petroleum, natural gas, and natural gas liquids	131,2	253.8	254.3	219.4	218.5		119.4	120.7	108.4	108.5	
Oil and gas field services	138	314.7	315.4	203.3	205.9		258.3	259.0	160.1	163.7	
Nonmetallic minerals, except fuels	14	112.6	106.5	112.5	110.6		85.7	80.0	86.5	84.7	
Crushed and broken stone	142	38.9	36.4	39.1	38.3		31.7	29.1	31.7	30.8	
Sand and gravel	144	35.3	32.4	35.4	33.8		-	-	-	-	
Chemical and fertilizer minerals	147	20.0	19.8	19.3	19.9						
Construction		4,909	4,721	5,271	5,143	4,934	3,868	3,686	4,182	4,057	3,847
General building contractors	15	1,316.3	1,278.0	1,360.7	1,337.3	1,287.2	990.2	951.4	1,020.2	998.0	
Residential building construction	152	646.8	624.1	680.7	670.2		472.7	450.2	495.4	485.7	
Operative builders	153	59.0	58.5	56.2	55.2		30.9	30.5	30.5	28.9	
Nonresidential building construction	154	610.5	595.4	623.8	611.9		486.6	470.7	494.3	483.4	
Heavy construction contractors	16	801.6	735.8	838.8	786.8		663.5	600.6	710.7	660.3	
Highway and street construction	161	267.6	229.1	329.1	296.7		223.9	186.2	281.6	249.1	
Heavy construction, except highway	162	534.0	506.7	509.7	490.1		439.6	414.4	429.1	411.2	
Special trade contractors	17	2,791.2	2,707.3	3,071.5	3,018.9		2,213.9	2,134.1	2,451.1	2,398.3	
Plumbing, heating, and air conditioning	171	635.2	627.5	673.8	667.4		472.5	464.3	500.5	493.8	
Painting, paper hanging, and decorating	172	169.5	159.2	183.0	178.0		141.0	131.5	154.5	149.2	
Electrical work	173	516.0	519.3	553.9	554.6		400.2	402.6	433.1	433.3	
Masonry, stonework, and plastering	174	455.7	436.5	514.7	507.3		391.7	373.0	441.9	433.7	
Carpentering and flooring	175	166.0	163.2	186.6	181.5		126.4	123.2	144.4	139.4	
Roofing and sheet metal work	176	211.5	203.6	236.1	230.6		173.2	165.2	193.6	188.6	
Manufacturing		19,313	19,272	19,238	19,216	19,182	13,127	13,085	13,089	13,079	13,057
Durable goods		11,478	11,457	11,312	11,310	11,299	7,619	7,592	7,478	7,484	7,481
Lumber and wood products	24	706.7	696.5	750.3	741.6	735.8	593.4	584.6	630.0	621.0	615.9
Logging camps and logging contractors	241	82.6	78.6	88.3	85.2		68.5	65.8	75.5	72.3	
Sawmills and planing mills	242	194.0	192.3	205.7	203.7		171.3	169.6	179.8	178.1	
Sawmills and planing mills, general	2421	159.8	158.4	169.2	167.1		141.6	140.0	147.7	145.9	
Hardwood dimension and flooring	2426	30.8	30.7	32.8	32.8		26.9	26.9	28.9	28.9	
Millwork, plywood, and structural members	243	238.7	237.2	264.6	263.0		198.8	196.8	219.9	218.3	
Millwork	2431	91.4	90.8	102.5	100.9		73.9	73.1	83.3	81.9	
Wood kitchen cabinets	2434	64.5	64.7	70.9	71.5		52.6	52.9	57.4	57.8	
Hardwood veneer and plywood	2435	23.1	23.4	25.3	25.2		20.3	20.5	22.2	22.2	
Softwood veneer and plywood	2436	38.6	38.6	41.9	42.3		35.6	35.4	38.4	38.7	
Wood containers	244	40.6	40.5	41.3	40.8		34.2	34.2	34.7	34.3	
Wood buildings and mobile homes	245	73.2	70.9	72.3	71.2		56.0	54.0	55.0	53.7	
Mobile homes	2451	51.8	50.2	49.9	49.0		41.2	39.9	40.0	39.2	
Miscellaneous wood products	249	77.6	77.0	78.1	77.7		64.6	64.2	65.1	64.3	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Durable goods—Continued											
Furniture and fixtures	25	498.2	498.8	503.3	505.2	506.1	398.8	399.0	404.4	406.5	405.9
Household furniture	251	296.5	297.6	300.0	302.2	-	249.1	249.9	253.0	255.4	-
Wood household furniture	2511	133.5	133.0	133.9	134.6	-	116.6	116.1	117.4	117.9	-
Upholstered household furniture	2512	92.7	92.8	94.9	95.7	-	76.6	76.4	78.7	79.7	-
Metal household furniture	2514	27.6	29.5	30.1	31.3	-	22.4	24.2	24.5	25.7	-
Mattresses and bedsprings	2515	28.8	28.5	28.6	28.4	-	22.0	21.7	21.9	21.7	-
Office furniture	252	66.6	67.1	67.2	67.4	-	51.4	51.9	52.7	52.9	-
Public building and related furniture	253	26.7	26.8	27.0	27.2	-	20.5	20.6	20.7	20.9	-
Partitions and fixtures	254	69.2	68.0	71.4	70.8	-	50.8	49.5	52.1	51.3	-
Miscellaneous furniture and fixtures	259	39.2	39.3	37.7	37.6	-	27.0	27.1	25.9	26.0	-
Stone, clay, and glass products	32	596.4	585.4	601.6	595.3	586.0	459.1	448.1	465.3	459.8	451.1
Flat glass	321	15.3	15.5	14.6	14.6	-	12.0	12.2	11.4	11.3	-
Glass and glassware, pressed or blown	322	91.1	90.6	92.1	92.4	-	77.8	77.2	78.8	78.8	-
Glass containers	3221	47.6	47.3	48.6	48.1	-	42.5	42.2	43.9	43.3	-
Pressed and blown glass, nec	3229	43.5	43.3	43.5	44.3	-	35.3	35.0	34.9	35.5	-
Products of purchased glass	323	52.3	51.9	54.4	53.9	-	36.6	36.2	39.0	38.3	-
Cement, hydraulic	324	23.1	22.7	22.5	22.5	-	17.9	17.7	17.6	17.6	-
Structural clay products	325	37.7	37.7	37.4	37.9	-	29.2	29.3	29.1	29.4	-
Pottery and related products	326	36.1	35.7	35.1	35.2	-	28.5	28.1	27.4	27.7	-
Concrete, gypsum, and plaster products	327	214.4	205.3	222.0	216.8	-	167.5	158.6	173.5	168.7	-
Concrete block and brick	3271	19.5	19.1	20.5	20.4	-	13.3	12.9	13.7	13.6	-
Concrete products, nec	3272	71.6	69.6	72.0	70.6	-	54.8	53.1	55.4	54.0	-
Ready-mixed concrete	3273	102.7	96.0	108.7	105.4	-	83.3	76.5	88.4	85.3	-
Misc. nonmetallic mineral products	329	114.4	114.2	111.3	109.9	-	80.0	79.6	78.9	78.5	-
Abrasive products	3291	20.7	20.6	19.9	20.1	-	13.6	13.5	13.1	13.3	-
Asbestos products	3292	10.2	10.2	10.2	10.2	-	7.6	7.6	7.8	7.7	-
Mineral wool	3296	27.4	27.2	27.2	25.9	-	-	-	-	-	-
Primary metal industries	33	793.5	796.6	743.2	745.4	747.2	601.7	605.1	555.6	557.0	559.7
Blast furnaces and basic steel products	331	296.3	299.5	266.3	265.1	267.5	227.8	231.0	200.9	198.7	201.1
Blast furnaces and steel mills	3312	230.4	233.4	203.2	202.0	-	180.0	183.0	154.5	152.5	-
Steel pipe and tubes	3317	23.5	23.7	21.3	21.3	-	17.1	17.2	15.3	15.2	-
Iron and steel foundries	332	139.2	139.7	132.7	132.3	-	109.8	110.4	104.5	104.0	-
Gray iron foundries	3321	87.3	87.8	82.9	82.9	-	71.2	71.8	67.5	67.4	-
Malleable iron foundries	3322	9.8	9.9	9.2	8.7	-	7.1	7.2	6.5	6.1	-
Steel foundries, nec	3325	28.6	28.3	26.7	26.6	-	21.3	21.1	19.8	19.6	-
Primary nonferrous metals	333	42.4	41.8	36.9	39.8	-	30.3	29.6	24.2	26.9	-
Primary aluminum	3334	23.8	23.3	19.8	22.8	-	17.9	17.3	12.5	15.2	-
Nonferrous rolling and drawing	335	187.3	187.2	184.2	184.4	-	132.9	133.2	129.9	130.2	-
Copper rolling and drawing	3351	23.3	23.4	23.8	23.8	-	17.9	18.1	18.6	18.5	-
Aluminum sheet, plate, and foil	3353	30.9	30.8	29.3	29.4	-	21.9	21.8	20.7	21.1	-
Nonferrous wire drawing and insulating	3357	80.3	80.9	79.0	79.0	-	57.7	58.4	55.1	55.2	-
Nonferrous foundries	336	84.6	84.4	82.3	83.2	-	68.4	68.1	66.0	67.1	-
Aluminum foundries	3361	52.4	52.3	50.6	51.4	-	43.1	42.8	41.2	42.2	-
Fabricated metal products	34	1,466.9	1,459.2	1,439.0	1,437.2	1,434.6	1,084.6	1,077.4	1,065.0	1,064.2	1,063.4
Metal cans and shipping containers	341	57.6	57.0	57.7	57.1	-	49.2	48.5	49.5	49.1	-
Metal cans	3411	46.2	45.8	46.0	45.7	-	40.3	39.8	40.3	40.1	-
Cutlery, hand tools, and hardware	342	143.4	143.3	141.6	142.5	-	106.0	106.0	103.9	104.7	-
Hand and edge tools, and hand saws and blades	3423.5	48.6	48.5	48.3	48.9	-	35.7	35.8	35.1	35.5	-
Hardware, nec	3429	81.3	81.0	79.5	79.7	-	61.3	60.9	59.6	59.9	-
Plumbing and heating, except electric	343	66.3	66.0	66.9	66.9	-	47.6	47.2	48.4	48.3	-
Plumbing fittings and brass goods	3432	25.0	25.1	24.8	24.9	-	18.2	18.4	18.0	18.0	-
Heating equipment, except electric	3433	30.0	29.7	31.5	31.1	-	20.7	20.3	22.3	21.9	-
Fabricated structural metal products	344	444.8	439.3	437.5	435.3	-	312.4	307.6	309.2	307.9	-
Fabricated structural metal	3441	78.0	76.7	73.0	72.9	-	55.4	54.1	51.4	51.2	-
Metal doors, sash, and trim	3442	91.5	90.4	93.8	92.8	-	68.1	66.8	70.0	69.0	-
Fabricated plate work (boiler shops)	3443	100.7	99.9	94.0	94.2	-	63.3	63.2	59.0	59.8	-
Sheet metal work	3444	110.9	109.2	110.9	110.3	-	82.2	80.6	82.6	82.0	-
Architectural metal work	3446	28.0	27.8	28.9	28.9	-	20.3	20.2	21.3	21.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^a	Dec. 1986 ^a	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^a	Dec. 1986 ^a
Nondurable goods		7,835	7,815	7,926	7,906	7,883	5,508	5,493	5,611	5,595	5,57
Food and kindred products	20	1,624.8	1,612.4	1,691.5	1,666.8	1,641.5	1,138.0	1,126.8	1,202.4	1,180.0	1,156.
Meat products	201	374.2	376.6	390.7	394.3	-	317.5	320.1	332.7	335.7	-
Meat packing plants	2011	143.0	144.6	143.2	145.7		119.7	121.2	119.6	122.0	
Sausages and other prepared meats	2013	75.0	75.0	76.0	76.5		55.4	55.3	56.2	56.5	
Poultry dressing plants	2016	133.9	133.8	146.5	147.3		122.7	122.8	133.8	134.4	
Dairy products	202	161.6	162.3	163.9	163.6		95.4	96.2	97.4	97.5	
Cheese, natural and processed	2022	39.8	40.1	39.1	39.5		30.9	31.0	30.0	30.5	
Fluid milk	2026	86.5	86.9	87.8	87.9		41.8	42.3	43.1	43.2	
Preserved fruits and vegetables	203	230.8	217.4	264.1	240.0		188.8	175.5	221.2	197.4	
Canned specialties	2032	25.2	24.5	25.8	24.6		17.9	17.2	18.8	17.7	
Canned fruits and vegetables	2033	73.1	66.5	96.1	82.4		59.0	52.7	80.3	67.3	
Frozen fruits and vegetables	2037	51.8	47.7	59.7	54.3		45.5	41.4	53.6	47.7	
Grain mill products	204	124.9	125.1	124.1	123.7		84.9	85.3	85.8	85.4	
Flour and other grain mill products	2041	22.3	22.5	22.6	22.8		14.9	15.1	15.7	15.7	
Prepared feeds, nec	2048	45.6	45.5	43.9	43.7		28.7	28.9	27.7	27.7	
Bakery products	205	214.6	213.7	218.0	218.5		128.3	127.6	133.0	133.4	
Bread, cake, and related products	2051	169.7	169.1	171.0	171.2		92.0	91.5	94.6	94.8	
Cookies and crackers	2052	44.9	44.6	47.0	47.3		36.3	36.1	38.4	38.6	
Sugar and confectionery products	206	108.7	107.0	113.4	114.5		86.4	85.0	91.1	92.0	
Cane and beet sugar	2061-3	26.0	25.6	28.8	27.9		20.7	20.6	23.2	22.3	
Confectionery products	2065	62.6	60.8	64.4	66.3		52.0	50.3	54.2	55.9	
Fats and oils	207	36.2	36.0	35.8	34.2		26.8	26.8	26.0	25.6	
Beverages	208	214.2	213.8	215.8	215.1		91.9	91.2	91.6	92.0	
Malt beverages	2082	43.1	43.3	43.2	43.5		27.5	27.4	27.1	27.2	
Bottled and canned soft drinks	2086	125.5	125.1	126.0	125.4		40.2	40.2	40.2	40.3	
Misc. food and kindred products	209	159.6	160.5	165.7	162.9		118.0	119.1	123.6	121.0	
Tobacco manufactures	21	66.2	67.0	64.4	62.4	61.0	50.1	50.8	49.3	47.8	45.
Cigarettes	211	43.8	43.7	42.8	43.1	-	32.2	32.1	32.1	32.3	-
Textile mill products	22	703.0	702.3	716.6	719.5	720.2	607.6	607.2	621.1	624.3	625.
Weaving mills, cotton	221	102.4	102.3	99.3	100.6	-	92.3	92.4	89.6	90.6	-
Weaving mills, synthetics	222	90.4	90.4	90.1	90.4		80.2	80.3	80.3	80.5	
Weaving and finishing mills, wool	223	16.6	16.8	16.5	16.6		14.0	14.0	13.7	13.8	
Narrow fabric mills	224	20.9	20.8	21.5	21.6		18.0	17.9	18.6	18.8	
Knitting mills	225	199.1	198.0	208.2	207.4		173.3	172.4	181.7	181.4	
Women's hosiery, except socks	2251	35.5	35.3	35.2	35.5		31.6	31.4	31.2	31.4	
Hosiery, nec	2252	34.1	33.5	35.5	35.5		30.4	29.8	31.8	31.9	
Knit outerwear mills	2253	65.3	64.9	71.6	71.6		57.3	56.9	63.1	63.4	
Knit underwear mills	2254	24.3	24.1	23.8	23.4		20.2	20.1	19.9	19.5	
Circular knit fabric mills	2257	21.9	22.2	23.3	23.1		18.8	19.1	20.4	20.2	
Textile finishing, except wool	226	58.6	58.9	58.8	59.0		49.1	49.3	49.2	49.4	
Finishing plants, cotton	2261	22.7	22.8	22.9	23.1		19.2	19.3	19.4	19.6	
Finishing plants, synthetics	2262	21.7	21.7	21.5	21.7		17.7	17.7	17.4	17.5	
Floor covering mills	227	57.7	57.6	59.7	60.3		47.3	47.2	49.3	50.0	
Yarn and thread mills	228	101.9	102.1	106.3	107.1		90.6	90.9	95.2	96.0	
Yarn mills, except wool	2281	72.9	73.1	76.5	76.8		65.7	65.8	69.2	69.6	
Throwing and winding mills	2282	15.9	15.8	16.9	17.3		14.1	14.0	14.8	15.2	
Miscellaneous textile goods	229	55.4	55.4	56.2	56.5		42.8	42.8	43.5	43.8	
Apparel and other textile products	23	1,128.5	1,124.4	1,123.2	1,119.8	1,119.6	951.5	945.6	949.1	947.1	946.
Men's and boys' suits and coats	231	62.7	63.7	59.9	60.4	-	54.5	55.2	51.4	51.9	-
Men's and boys' furnishings	232	318.2	318.6	315.7	315.6		276.1	275.9	272.5	272.2	
Men's and boys' shirts and nightwear	2321	84.7	84.7	86.1	86.0		73.2	73.1	74.0	73.7	
Men's and boys' separate trousers	2327	58.6	58.5	54.6	54.7		51.4	51.3	47.6	48.1	
Men's and boys' work clothing	2328	100.3	100.1	97.7	97.0		88.1	87.7	85.4	84.7	
Women's and misses' outerwear	233	362.0	359.0	353.6	350.5		301.8	298.1	298.0	295.6	
Women's and misses' blouses and waists	2331	53.7	52.9	52.8	52.3		44.8	44.0	43.9	43.5	
Women's and misses' dresses	2335	93.6	92.5	91.5	87.9		78.7	77.5	76.6	73.4	
Women's and misses' suits and coats	2337	44.8	42.1	46.9	44.7		37.1	34.7	38.2	36.5	
Women's and misses' outerwear, nec	2339	169.9	171.5	162.4	165.6		141.2	141.9	139.3	142.2	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Nondurable goods—Continued											
Rubber and misc. plastics products	30	793.3	793.7	807.8	808.4	809.0	615.2	617.0	630.9	632.3	632.1
Tires and inner tubes	301	91.3	90.3	86.9	87.0	-	63.1	63.3	63.3	63.7	-
Rubber and plastics footwear	302	12.6	12.7	11.7	11.9	-	10.8	10.8	9.9	10.1	-
Reclaimed rubber, and rubber and plastics hose and belting	303,4	21.7	21.8	21.5	21.5	-	14.5	14.7	15.0	15.2	-
Fabricated rubber products, nec	306	108.0	108.3	108.8	109.1	-	82.9	83.0	83.3	83.8	-
Miscellaneous plastics products	307	559.7	560.6	578.9	578.9	-	443.9	445.2	459.4	459.5	-
Leather and leather products	31	167.1	164.0	153.8	154.0	151.2	139.4	136.1	127.0	127.2	124.1
Leather tanning and finishing	311	14.5	14.2	13.7	13.8	-	12.1	11.9	11.4	11.4	-
Footwear, except rubber	314	100.1	99.5	90.6	90.8	-	85.3	84.5	76.7	77.0	-
Men's footwear, except athletic	3143	41.9	42.3	38.7	39.1	-	34.2	34.3	31.3	31.7	-
Women's footwear, except athletic	3144	36.2	36.2	33.4	33.4	-	31.9	31.9	29.4	29.5	-
Luggage	316	11.4	11.1	11.0	10.8	-	8.5	8.2	7.8	7.7	-
Handbags and personal leather goods	317	22.4	21.1	20.7	20.3	-	18.3	16.9	16.8	16.3	-
Transportation and public utilities		5,296	5,307	5,366	5,373	5,389	4,396	4,407	4,437	4,446	4,471
Transportation		3,064	3,076	3,144	3,140	3,158	-	-	-	-	-
Railroad transportation	40	345.1	332.4	322.9	317.7	-	-	-	-	-	-
Class I railroads ²	4011	311.9	300.3	292.1	286.5	-	-	-	-	-	-
Local and interurban passenger transit	41	286.8	287.6	297.6	297.7	-	267.2	267.3	275.2	275.4	-
Local and suburban transportation	411	92.8	93.2	96.9	97.3	-	85.4	85.8	89.0	89.5	-
Taxicabs	412	37.8	37.9	36.2	36.8	-	-	-	-	-	-
Intercity highway transportation	413	34.6	35.1	35.9	35.1	-	32.1	32.3	32.4	31.7	-
School buses	415	97.8	98.3	102.3	102.7	-	-	-	-	-	-
Trucking and warehousing	42	1,413.3	1,433.3	1,452.0	1,452.2	-	1,231.9	1,252.0	1,267.6	1,267.1	-
Trucking and trucking terminals	421,3	1,311.1	1,334.1	1,342.6	1,346.4	-	1,145.3	1,168.3	1,174.0	1,177.3	-
Public warehousing	422	102.2	99.2	109.4	105.8	-	86.6	83.7	93.6	89.8	-
Water transportation	44	189.6	186.5	182.3	181.5	-	-	-	-	-	-
Local water transportation	445	26.9	27.2	27.6	27.0	-	-	-	-	-	-
Water transportation services	446	103.4	99.8	98.8	98.9	-	-	-	-	-	-
Transportation by air	45	529.9	536.9	576.9	579.3	-	-	-	-	-	-
Air transportation	451,2	465.8	471.5	509.5	511.5	-	-	-	-	-	-
Air transportation services	458	64.1	65.4	67.4	67.8	-	-	-	-	-	-
Pipe lines, except natural gas	46	18.8	18.7	18.0	18.0	-	13.5	13.5	13.2	13.2	-
Transportation services	47	280.4	280.9	294.1	293.2	-	-	-	-	-	-
Freight forwarding	471	64.2	64.5	72.0	72.5	-	-	-	-	-	-
Communication and public utilities		2,232	2,231	2,222	2,233	2,231	-	-	-	-	-
Communication	48	1,312.3	1,311.5	1,294.7	1,304.3	-	1,000.6	999.9	975.5	985.7	-
Telephone communication	481	900.9	898.1	875.6	885.6	-	670.6	667.6	638.1	648.2	-
Radio and television broadcasting	483	241.6	242.2	244.6	243.4	-	197.3	198.2	200.7	199.9	-
Radio broadcasting	4832	115.0	115.3	115.6	115.8	-	-	-	-	-	-
Television broadcasting	4833	126.6	126.9	129.0	127.6	-	-	-	-	-	-
Electric, gas, and sanitary services	49	919.7	919.5	927.1	929.1	-	731.7	731.5	735.1	736.5	-
Electric services	491	450.6	450.3	459.1	459.3	-	348.9	348.7	352.8	353.1	-
Gas production and distribution	492	172.9	172.5	162.2	164.2	-	135.6	135.4	128.1	130.2	-
Combination utility services	493	204.4	204.5	206.1	205.9	-	168.5	168.5	169.0	168.1	-
Sanitary services	495	65.6	66.1	72.1	72.3	-	57.3	57.6	62.9	63.1	-
Wholesale trade		5,812	5,815	5,888	5,881	5,862	4,676	4,675	4,727	4,718	4,69
Durable goods	50	3,454	3,459	3,492	3,495	3,487	2,759	2,761	2,779	2,783	-
Motor vehicles and automotive equipment	501	432.6	430.7	428.7	428.7	-	346.7	345.1	344.6	344.1	-
Automobiles and other motor vehicles	5012	108.5	108.6	107.2	107.3	-	-	-	-	-	-
Automotive parts and supplies	5013	292.0	290.2	289.2	288.9	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Retail trade—Continued											
Apparel and accessory stores	56	1,095.8	1,168.3	1,090.0	1,131.7		927.3	996.8	919.4	960.2	
Men's and boys' clothing and furnishings	561	115.8	126.0	109.2	115.7		96.9	106.5	90.5	96.8	
Women's ready-to-wear stores	562	399.3	421.2	402.6	411.7		338.9	360.3	344.1	353.0	
Family clothing stores	565	234.5	255.2	227.1	242.1		205.1	224.5	196.1	210.7	
Shoe stores	566	212.6	223.9	211.5	216.0		172.8	183.8	169.8	173.8	
Furniture and home furnishings stores	57	771.8	789.9	801.9	817.6		642.6	659.5	666.5	683.0	
Furniture and home furnishings stores	571	431.7	435.9	451.6	456.9		354.7	357.9	372.3	378.2	
Furniture stores	5712	269.6	271.6	278.1	280.7		-	-	-	-	
Household appliance stores	572	89.0	90.3	86.3	87.5		75.5	76.7	73.5	74.7	
Radio, television, and music stores	573	251.1	263.7	264.0	273.2		212.4	224.9	220.7	230.1	
Radio and television stores	5732	181.8	191.1	191.2	197.6		-	-	-	-	
Music stores	5733	69.3	72.6	72.8	75.6		-	-	-	-	
Eating and drinking places	58	5,734.0	5,749.6	5,987.7	5,956.6	5,992.9	5,210.3	5,217.8	5,455.3	5,423.5	
Miscellaneous retail	59	2,300.0	2,379.2	2,284.2	2,352.7		1,968.6	2,045.9	1,934.0	1,998.7	
Drug stores and proprietary stores	591	553.4	564.8	570.5	576.4		476.1	486.3	486.0	490.9	
Liquor stores	592	129.8	132.1	130.8	131.6		-	-	-	-	
Miscellaneous shopping goods stores	594	793.9	846.3	766.2	816.7		674.7	725.0	643.9	693.0	
Sporting goods and bicycle shops	5941	131.5	137.9	134.1	138.4		-	-	-	-	
Book stores	5942	78.4	83.7	78.0	78.9		-	-	-	-	
Stationery stores	5943	76.2	78.0	77.7	77.9		-	-	-	-	
Jewelry stores	5944	155.2	169.3	150.5	158.5		-	-	-	-	
Gift, novelty, and souvenir shops	5947	142.0	149.8	136.2	140.8		-	-	-	-	
Sewing, needlework, and piece goods	5949	70.6	70.5	67.5	69.5		-	-	-	-	
Nonstore retailers	596	281.3	286.8	266.9	270.0		254.6	260.1	242.1	245.3	
Mail order houses	5961	141.0	143.1	129.9	135.5		-	-	-	-	
Merchandising machine operators	5962	82.7	82.9	82.5	81.9		-	-	-	-	
Fuel and ice dealers	598	109.3	112.2	113.4	116.7		92.1	94.8	94.9	98.1	
Retail stores, nec	599	353.8	359.5	355.1	360.2		295.6	301.8	291.2	295.5	
Finance, insurance, and real estate³		6,054	6,080	6,395	6,416	6,450	4,481	4,497	4,714	4,731	4,751
Finance		3,033	3,051	3,202	3,215	3,234					
Banking	60	1,727.9	1,735.3	1,758.9	1,760.4		1,262.5	1,268.2	1,275.6	1,275.8	
Commercial and stock savings banks	602	1,561.0	1,566.9	1,579.8	1,579.2		1,134.4	1,139.2	1,141.4	1,139.9	
State banks, Federal Reserve	6022	339.0	340.5	351.2	351.9		-	-	-	-	
State banks, not Federal Reserve	6023,4	379.4	380.8	383.9	383.9		-	-	-	-	
Mutual savings banks	603	80.9	81.5	84.7	85.8		-	-	-	-	
Credit agencies other than banks	61	779.4	787.0	866.2	873.4		593.4	599.1	657.0	663.9	
Savings and loan associations	612	357.6	360.3	383.5	386.6		274.0	276.1	292.9	295.7	
Federal savings and loan associations	6122	200.8	202.7	216.0	217.7		-	-	-	-	
State associations, insured	6123	146.5	147.2	156.3	157.4		-	-	-	-	
Personal credit institutions	614	218.9	220.6	233.6	234.6		170.9	172.2	183.2	184.5	
Business credit institutions	615	50.8	51.8	54.8	55.0		-	-	-	-	
Mortgage bankers and brokers	616	128.5	130.8	169.5	172.3		-	-	-	-	
Security, commodity brokers, and services	62	361.2	363.4	401.9	403.8						
Security brokers and dealers	621	289.1	290.8	319.8	323.2						
Holding and other investment offices	67	164.1	165.7	175.3	177.2						
Insurance		1,860	1,866	1,967	1,978	1,988					
Insurance carriers	63	1,296.2	1,299.0	1,347.1	1,352.4		884.8	884.7	910.6	913.3	
Life insurance	631	554.7	555.3	558.8	560.4		340.3	339.9	338.6	340.2	
Medical service and health insurance	632	174.3	175.2	183.5	184.6		142.1	142.6	148.9	149.6	
Fire, marine, and casualty insurance	633	477.6	478.5	503.9	505.7		333.4	333.0	345.8	346.0	
Title insurance	636	52.6	52.6	59.3	59.7		-	-	-	-	
Insurance agents, brokers, and service	64	564.1	567.3	619.7	625.3						

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Finance, insurance, and real estate—Continued											
Real estate, and combined real estate, insurance, etc		1,161	1,163	1,226	1,223	1,228					
Real estate	65	1,147.0	1,148.6	1,212.0	1,209.5						
Real estate operators and lessors	651	509.7	514.7	518.3	517.7						
Real estate agents and managers	653	467.4	469.8	506.6	509.5						
Subdividers and developers	655	143.6	137.7	156.0	150.9						
Combined real estate, insurance, etc	66	13.8	14.1	13.8	13.6						
Services		22,406	22,389	23,452	23,444	23,468	19,730	19,701	20,585	20,567	20,576
Hotels and other lodging places	70	1,308.2	1,295.0	1,362.8	1,339.5		-	-	-	-	
Hotels, motels, and tourist courts	701	1,273.0	1,260.9	1,324.5	1,304.2		1,142.0	1,129.6	1,182.6	1,161.7	
Personal services	72	1,068.9	1,072.9	1,123.4	1,127.0		-	-	-	-	
Laundry, cleaning, and garment services	721	389.7	390.6	403.6	405.0		348.9	348.7	358.8	360.5	
Photographic studios, portrait	722	61.6	58.8	62.4	64.8		-	-	-	-	
Beauty shops	723	343.4	344.7	353.8	354.0		310.3	309.8	320.9	321.4	
Funeral service and crematories	726	74.1	74.5	76.6	76.7		-	-	-	-	
Business services	73	4,641.2	4,651.5	4,957.2	4,966.6	4,989.5	4,025.0	4,027.6	4,268.0	4,275.3	
Advertising	731	194.8	193.9	193.3	193.6	-	143.4	142.4	143.0	143.2	
Advertising agencies	7311	145.8	145.0	143.8	144.1		-	-	-	-	
Credit reporting and collection	732	91.2	91.7	101.4	101.2		-	-	-	-	
Mailing, reproduction, and stenographic	733	195.4	197.3	210.8	212.3		-	-	-	-	
Services to buildings	734	666.8	662.1	717.4	709.7		605.8	602.3	649.5	642.8	
Personnel supply services	736	968.7	972.5	1,077.4	1,084.0		-	-	-	-	
Employment agencies	7361	172.7	169.7	196.3	199.4		-	-	-	-	
Temporary help supply services	7362	750.8	757.9	835.4	838.8		-	-	-	-	
Computer and data processing services	737	565.5	572.3	592.9	595.0		462.3	467.4	470.9	470.6	
Computer programming and software	7372	205.7	208.1	217.8	218.5		-	-	-	-	
Data processing services	7374	266.6	269.1	275.6	276.7		-	-	-	-	
Miscellaneous business services	739	1,950.2	1,953.0	2,054.8	2,061.5						
Research development laboratories, nec	7391	185.5	186.1	195.7	196.9						
Management and public relations	7392	531.1	533.2	575.0	578.8						
Detective and protective services	7393	440.8	444.2	458.4	458.5						
Equipment rental and leasing	7394	185.6	184.7	191.7	191.4						
Photofinishing laboratories	7395	82.2	81.0	83.8	83.4						
Auto repair, services, and garages	75	737.8	743.6	777.2	777.8		619.5	624.1	650.2	651.0	
Automotive rentals, without drivers	751	154.2	156.3	170.0	171.4		-	-	-	-	
Automotive repair shops	753	451.6	451.6	468.7	466.0		376.7	376.3	390.1	388.2	
Miscellaneous repair services	76	329.3	331.9	328.2	329.9		274.7	276.1	272.6	273.7	
Electrical repair shops	762	103.2	103.6	105.4	105.8		-	-	-	-	
Motion pictures	78	211.8	214.3	219.3	222.1		179.8	181.7	184.7	187.9	
Motion picture production and services	781	104.0	104.4	112.9	116.7		87.1	86.9	92.7	96.6	
Motion picture theaters	783	96.8	98.8	95.4	94.1		-	-	-	-	
Amusement and recreation services	79	778.4	771.9	898.6	857.7		679.9	677.3	791.9	750.6	
Health services	80	6,395.1	6,410.5	6,677.1	6,682.9	6,713.0	5,686.4	5,703.1	5,935.2	5,939.9	
Offices of physicians	801	974.6	976.0	1,031.5	1,033.5	-	807.3	809.7	853.1	853.4	
Offices of dentists	802	446.2	448.3	466.1	467.1		395.7	398.5	411.6	413.3	
Nursing and personal care facilities	805	1,238.8	1,244.8	1,302.7	1,308.7		1,119.9	1,125.4	1,176.2	1,181.6	
Skilled nursing care facilities	8051	815.0	818.9	856.0	860.1		-	-	-	-	
Nursing and personal care, nec	8059	423.8	425.9	446.7	448.6		-	-	-	-	
Hospitals	806	3,002.9	3,003.0	3,067.4	3,066.8		2,735.6	2,735.6	2,796.2	2,795.0	
General medical and surgical hospitals	8062	2,819.5	2,819.7	2,880.6	2,878.7		-	-	-	-	
Psychiatric hospitals	8063	58.3	58.4	59.2	59.8		-	-	-	-	
Specialty hospitals, excluding psychiatric	8069	125.1	124.9	127.6	128.3		-	-	-	-	
Medical and dental laboratories	807	122.3	122.6	133.4	134.2		-	-	-	-	
Outpatient care facilities	808	225.4	227.7	252.6	248.2		-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1972 SIC Code	All employees					Production workers ¹				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Services—Continued											
Legal services	81	705.7	704.1	749.6	751.7		599.1	597.2	631.2	632.0	
Educational services	82	1,470.6	1,442.9	1,469.7	1,491.2						
Elementary and secondary schools	821	397.7	397.5	394.0	396.7						
Colleges and universities	822	933.8	907.5	933.5	949.8						
Correspondence and vocational schools	824	68.3	68.2	67.9	69.8						
Social services	83	1,395.4	1,398.6	1,449.1	1,466.2						
Individual and family services	832	270.6	269.8	290.4	296.9						
Job training and related services	833	210.6	212.9	216.1	218.0						
Residential care	836	299.1	301.5	313.5	314.8						
Museums, botanical and zoological gardens	84	41.5	41.5	46.2	45.1						
Membership organizations	86	1,514.3	1,514.7	1,500.7	1,501.2						
Business associations	861	87.9	88.5	90.2	88.4						
Labor organizations	863	140.8	142.4	142.9	142.5						
Civic and social associations	864	340.8	340.5	330.2	331.9						
Miscellaneous services	89	1,252.2	1,259.8	1,298.1	1,305.4		1,026.9	1,032.6	1,058.2	1,061.7	
Engineering and architectural services	891	691.2	693.4	713.3	717.5		585.5	587.4	601.4	602.9	
Noncommercial research organizations	892	117.2	118.9	121.4	123.1		-	-	-	-	
Accounting, auditing, and bookkeeping	893	416.9	421.0	436.3	437.7		327.3	330.9	338.9	339.9	
Government		16,894	16,860	17,041	17,213	17,181					
Federal Government ⁴		2,884	2,902	2,876	2,879	2,889					
Executive, by agency ⁴		2,827.2	2,755.0	2,821.0							
Department of Defense		993.3	966.4	971.5							
Postal Service ⁵		759.0	713.5	791.3							
Other executive agencies		1,074.9	1,075.1	1,058.2							
Legislative		38.5	39.4	36.1							
Judicial		18.0	17.1	18.7							
Federal government, by industry:											
Manufacturing activities		131.0	128.8	122.8	122.1						
Shipbuilding and repairing	3731	79.1	77.8	73.9	73.9						
Transportation and public utilities, except Postal Service		39.3	39.1	39.4	39.1						
Services		411.8	410.7	405.5	404.9						
Hospitals	806	249.1	249.6	245.8	245.7						
State government		4,013	3,974	4,050	4,084	4,065					
Hospitals	806	455.5	456.0	458.9	459.9	-					
Education	82	1,703.7	1,668.0	1,692.6	1,730.6						
General administration, including executive, legislative, and judicial functions		1,259.8	1,257.8	1,293.2	1,287.0						
Local government		9,997	9,984	10,115	10,250	10,227					
Transportation and public utilities		509.0	509.5	513.2	513.6	-					
Hospitals	806	614.4	613.8	626.7	626.8						
Education	82	5,688.6	5,676.1	5,758.7	5,861.4						
General administration, including executive, legislative, and judicial functions		2,884.4	2,884.1	2,919.1	2,953.0						

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

² Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

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

⁴ Prepared by the Office of Personnel Management. Data relate to civilian employment only and exclude the Central Intelligence Agency and

the National Security Agency.

⁵ Includes rural mail carriers.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision. Corrected September 1986 production-worker data for total private and transportation and public utilities are 68,481 and 4,441 respectively.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
NOT SEASONALLY ADJUSTED**

B-3. Women employees on nonagricultural payrolls by major industry and manufacturing group

(In thousands)

Industry	Sept. 1985	Oct. 1985	Aug. 1986	Sept. 1986	Oct. 1986
Total	44,259	44,760	45,172	46,070	46,622
Total private	36,190	36,356	37,553	37,744	37,924
Goods-producing	6,902	6,892	6,938	6,966	6,961
Mining	120	120	106	102	102
Construction	479	483	530	528	528
Manufacturing	6,303	6,289	6,302	6,336	6,331
Durable goods	3,019	3,022	3,004	3,020	3,025
Lumber and wood products	110	109	118	117	118
Furniture and fixtures	151	153	153	155	156
Stone, clay, and glass products	114	114	115	117	115
Primary metal industries	103	102	101	101	101
Fabricated metal products	323	324	322	326	326
Machinery, except electrical	465	464	448	445	446
Electrical and electronic equipment	911	909	900	904	905
Transportation equipment	363	364	370	377	378
Instruments and related products	309	308	308	308	307
Miscellaneous manufacturing	171	175	169	171	174
Nondurable goods	3,284	3,267	3,298	3,316	3,306
Food and kindred products	543	525	558	560	541
Tobacco manufactures	25	25	20	23	23
Textile mill products	338	339	347	348	348
Apparel and other textile products	907	909	890	897	901
Paper and allied products	167	167	170	171	171
Printing and publishing	610	611	630	632	637
Chemicals and allied products	289	286	290	290	288
Petroleum and coal products	27	27	25	25	24
Rubber and misc. plastics products	277	277	277	280	283
Leather and leather products	100	100	92	91	90
Service-producing	37,357	37,868	38,234	39,104	39,661
Transportation and public utilities	1,469	1,477	1,469	1,517	1,520
Wholesale trade	1,646	1,667	1,712	1,718	1,731
Retail trade	9,167	9,202	9,488	9,535	9,588
Finance, insurance, and real estate	3,677	3,690	3,985	3,963	3,974
Services	13,329	13,428	13,961	14,045	14,150
Government	8,069	8,404	7,619	8,326	8,698
Federal	1,014	1,014	1,035	1,026	1,023
State	1,775	1,861	1,746	1,826	1,919
Local	5,280	5,529	4,838	5,474	5,756

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are

introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES
SEASONALLY ADJUSTED**

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

(In thousands)

Industry	1985			1986									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
Total	44,427	44,601	44,753	44,955	45,127	45,237	45,397	45,556	45,602	45,758	45,906	46,074	46,271
Total private	36,160	36,319	36,446	36,639	36,767	36,867	37,014	37,142	37,182	37,386	37,508	37,568	37,720
Goods-producing	6,825	6,847	6,866	6,893	6,889	6,887	6,893	6,885	6,866	6,874	6,872	6,877	6,895
Mining	120	120	119	120	120	118	114	112	108	106	105	102	102
Construction	478	482	486	494	493	499	505	510	512	517	518	520	522
Manufacturing	6,227	6,245	6,261	6,279	6,276	6,270	6,274	6,263	6,246	6,251	6,249	6,255	6,271
Durable goods	3,009	3,012	3,011	3,020	3,017	3,014	3,019	3,016	2,996	3,003	3,008	3,008	3,013
Lumber and wood products	108	109	110	110	111	112	111	112	113	114	115	115	116
Furniture and fixtures	152	152	152	152	153	154	154	155	155	155	155	155	156
Stone, clay, and glass products	112	113	113	115	114	113	114	114	115	115	114	114	113
Primary metal industries	102	103	103	103	103	102	102	101	99	99	101	101	101
Fabricated metal products	322	322	322	322	322	322	324	323	324	322	322	325	324
Machinery, except electrical	466	463	461	464	460	460	461	458	456	454	451	448	448
Electrical and electronic equipment	907	906	905	905	903	901	902	903	887	901	903	901	903
Transportation equipment	363	366	366	368	370	369	370	370	369	370	373	374	377
Instruments and related products	309	309	310	311	311	312	311	310	309	308	308	308	308
Miscellaneous manufacturing	168	169	169	170	170	169	170	170	169	165	166	167	167
Nondurable goods	3,218	3,233	3,250	3,259	3,259	3,256	3,255	3,247	3,250	3,248	3,241	3,247	3,258
Food and kindred products	498	500	508	507	513	513	512	513	517	512	510	511	513
Tobacco manufactures	22	23	22	22	22	22	22	21	21	21	19	20	20
Textile mill products	335	337	337	340	342	343	341	343	343	346	345	344	344
Apparel and other textile products	900	901	908	912	902	899	902	895	892	894	889	890	892
Paper and allied products	166	168	167	167	168	168	168	168	168	169	168	169	170
Printing and publishing	611	616	617	619	622	623	626	625	629	632	632	634	637
Chemicals and allied products	286	286	287	287	287	287	286	287	288	287	288	288	289
Petroleum and coal products	27	27	27	26	26	26	26	26	25	25	25	25	24
Rubber and misc. plastics products	275	278	279	282	281	281	279	278	278	274	275	277	281
Leather and leather products	98	97	98	97	96	94	93	91	89	88	90	89	88
Service-producing	37,602	37,754	37,887	38,062	38,238	38,350	38,504	38,671	38,736	38,884	39,034	39,197	39,376
Transportation and public utilities	1,464	1,468	1,472	1,475	1,478	1,482	1,483	1,486	1,441	1,501	1,482	1,506	1,506
Wholesale trade	1,648	1,653	1,660	1,676	1,689	1,691	1,707	1,718	1,706	1,715	1,715	1,713	1,712
Retail trade	9,151	9,185	9,193	9,268	9,313	9,347	9,362	9,383	9,392	9,422	9,479	9,488	9,531
Finance, insurance, and real estate	3,699	3,730	3,748	3,771	3,796	3,816	3,848	3,878	3,904	3,932	3,957	3,967	3,982
Services	13,373	13,436	13,507	13,556	13,602	13,644	13,721	13,792	13,873	13,942	14,003	14,017	14,094
Government	8,267	8,282	8,307	8,316	8,360	8,370	8,383	8,414	8,420	8,372	8,398	8,506	8,551
Federal	1,022	1,026	1,031	1,034	1,038	1,036	1,034	1,030	1,020	1,017	1,021	1,031	1,030
State	1,816	1,821	1,824	1,832	1,843	1,847	1,856	1,863	1,868	1,868	1,867	1,861	1,872
Local	5,429	5,435	5,452	5,450	5,479	5,487	5,493	5,521	5,532	5,487	5,510	5,614	5,649

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
SEASONALLY ADJUSTED**

B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(In thousands)

Industry	1985	1986										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^P
Total private	66,510	66,856	66,945	66,916	67,167	67,261	67,223	67,517	67,632	67,742	67,854	68,064
Goods-producing	17,486	17,597	17,536	17,454	17,546	17,475	17,388	17,395	17,429	17,407	17,408	17,454
Mining	638	634	622	598	573	547	535	533	526	520	522	524
Construction	3,748	3,852	3,817	3,795	3,913	3,903	3,874	3,901	3,932	3,927	3,912	3,908
Manufacturing	13,100	13,111	13,097	13,061	13,060	13,025	12,979	12,961	12,971	12,960	12,974	13,022
Durable goods	7,595	7,595	7,579	7,545	7,547	7,519	7,462	7,441	7,458	7,438	7,435	7,456
Lumber and wood products	597	602	602	602	605	605	606	604	610	615	618	622
Furniture and fixtures	394	394	394	395	395	397	397	398	400	401	402	401
Stone, clay, and glass products	455	459	459	459	463	462	460	458	456	457	454	454
Primary metal industries	611	606	604	596	596	591	574	569	562	560	560	563
Blast furnaces and basic steel products	234	232	231	225	224	222	220	220	207	204	206	204
Fabricated metal products	1,076	1,076	1,072	1,069	1,073	1,068	1,062	1,052	1,054	1,058	1,056	1,057
Machinery, except electrical	1,278	1,280	1,272	1,267	1,263	1,256	1,250	1,240	1,239	1,215	1,211	1,206
Electrical and electronic equipment	1,267	1,262	1,258	1,252	1,249	1,250	1,224	1,246	1,249	1,245	1,247	1,251
Transportation equipment	1,263	1,259	1,258	1,247	1,245	1,233	1,233	1,223	1,235	1,235	1,236	1,250
Motor vehicles and equipment	676	669	666	660	658	645	644	629	640	639	630	643
Instruments and related products	390	391	392	392	392	390	389	387	389	388	387	386
Miscellaneous manufacturing	264	266	268	266	266	267	267	264	264	264	264	266
Nondurable goods	5,505	5,516	5,518	5,516	5,513	5,506	5,517	5,520	5,513	5,522	5,539	5,566
Food and kindred products	1,137	1,137	1,145	1,145	1,145	1,149	1,160	1,158	1,153	1,157	1,155	1,168
Tobacco manufactures	48	48	47	48	48	47	46	47	43	44	44	46
Textile mill products	606	608	609	611	607	610	611	614	615	612	616	622
Apparel and other textile products	952	956	946	940	943	938	933	936	935	937	940	941
Paper and allied products	520	521	521	521	522	523	524	522	519	523	527	528
Printing and publishing	808	811	815	817	820	820	823	828	825	827	832	832
Chemicals and allied products	575	573	574	573	572	569	572	572	574	572	571	571
Petroleum and coal products	104	104	104	103	103	103	103	102	103	102	102	102
Rubber and misc. plastics products	619	623	623	625	623	620	621	617	621	624	628	632
Leather and leather products	136	135	134	133	130	127	124	124	125	124	124	124
Service-producing	49,024	49,259	49,409	49,462	49,621	49,786	49,835	50,122	50,203	50,335	50,446	50,610
Transportation and public utilities	4,381	4,384	4,377	4,373	4,362	4,361	4,270	4,354	4,325	4,387	4,393	4,424
Wholesale trade	4,665	4,686	4,695	4,693	4,712	4,711	4,674	4,705	4,708	4,700	4,694	4,699
Retail trade	15,669	15,794	15,854	15,867	15,880	15,939	15,981	16,018	16,045	16,091	16,153	16,175
Finance, insurance, and real estate	4,513	4,532	4,554	4,571	4,603	4,629	4,651	4,683	4,704	4,716	4,723	4,745
Services	19,796	19,863	19,929	19,958	20,064	20,146	20,259	20,362	20,421	20,441	20,483	20,567

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

^P = preliminary.

NOTE: Establishment survey estimates are currently projected from 1985 benchmark levels. When more recent benchmark data are introduced seasonally adjusted data from January 1982 forward are subject to revision. September data for total private, service-producing, and transportation and public utilities have been corrected.

**ESTABLISHMENT DATA
INDEXES OF DIFFUSION
SEASONALLY ADJUSTED**

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1984.....	67.8	72.7	67.6	67.6	62.4	65.4	62.2	55.9	50.5	63.0	53.5	57.0
	1985.....	52.4	47.8	53.8	49.2	51.6	47.0	56.2	56.8	50.8	61.9	57.6	59.5
	1986.....	59.7	53.5	45.1	54.1	49.2	46.2	54.6	54.3	54.9	55.1	^P 61.1	^P 62.4
Over 3-month span	1984.....	76.5	75.1	75.9	71.4	71.6	68.1	63.2	58.1	56.8	53.5	58.1	53.0
	1985.....	51.1	49.7	46.2	46.2	45.1	51.4	49.7	51.1	55.1	55.9	61.4	60.5
	1986.....	58.1	54.3	51.1	49.7	48.4	44.9	47.3	54.1	54.9	^P 60.3	^P 65.1	
Over 6-month span	1984.....	78.1	76.5	77.0	75.1	69.2	65.1	63.2	59.2	58.6	53.2	49.7	54.9
	1985.....	49.2	47.8	43.0	45.9	44.3	44.3	48.9	50.8	54.1	57.0	57.0	55.9
	1986.....	53.8	53.8	47.6	45.9	45.9	48.6	49.7	^P 54.9	^P 60.5			
Over 12-month span	1984.....	81.1	78.1	72.2	72.2	68.9	67.8	65.7	62.7	59.7	54.6	51.4	48.6
	1985.....	46.2	45.7	46.8	43.8	44.9	47.3	47.6	48.9	47.3	49.5	48.9	48.6
	1986.....	50.3	51.1	52.2	52.4	^P 53.2	^P 53.5						

Based on the number of employees, seasonally adjusted for 1, 3, and 6 month spans, on the payrolls of 185 private nonagricultural industries. Data for the 12-month span are unadjusted.

^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 survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

B-8. Employees on nonagricultural payrolls in States and selected areas by major industry.

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Alabama	1,440.6	1,451.1	1,451.3	14.6	11.9	11.9	74.2	73.3	73.6
Birmingham	372.6	381.1	382.1	7.5	5.9	5.9	21.2	23.0	23.0
Huntsville	112.9	115.2	115.9	.1	.1	.1	4.4	4.8	4.8
Mobile	158.8	156.9	157.3	1.0	.7	.7	11.7	10.3	10.3
Montgomery	117.0	117.4	117.9	.1	.1	.1	7.4	7.6	7.7
Tuscaloosa	55.4	57.1	57.3	3.1	2.9	2.9	2.7	3.2	3.1
Alaska	228.9	224.2	217.7	9.3	7.8	7.8	16.9	16.8	13.7
Arizona	1,316.6	1,365.8	1,376.4	11.7	10.6	10.7	111.8	113.7	112.6
Phoenix	864.8	902.8	910.0	.6	.5	.6	77.9	78.7	77.8
Tucson	239.8	243.2	245.3	2.2	1.6	1.6	21.6	22.1	22.0
Arkansas	814.9	837.9	832.8	5.2	4.4	4.2	37.4	39.1	37.1
Fayetteville-Springdale	44.7	45.7	45.9	(¹)	(¹)	(¹)	2.0	2.0	2.0
Fort Smith	70.7	72.4	72.6	1.1	.9	.9	3.1	3.4	3.3
Little Rock-North Little Rock	224.8	224.8	224.2	.4	.4	.4	12.2	12.6	12.4
Pine Bluff	31.8	33.6	32.7	(¹)	(¹)	(¹)	2.0	3.5	2.9
California	11,127.9	11,363.9	11,402.7	50.4	42.6	42.4	495.3	510.1	506.0
Anaheim-Santa Ana	1,001.6	1,034.7	1,039.8	3.1	2.6	2.5	52.4	54.5	53.6
Bakersfield	156.8	150.4	152.2	16.7	11.4	11.5	9.2	8.4	8.3
Fresno	194.0	199.0	199.1	1.0	.7	.7	11.3	11.7	11.6
Los Angeles-Long Beach	3,882.9	3,944.6	3,969.5	12.6	11.6	11.5	121.7	123.9	124.0
Modesto	96.0	100.8	100.2	.1	.1	.1	6.4	6.3	6.3
Oakland	784.1	809.9	808.9	2.0	1.9	1.9	46.9	49.8	49.5
Oxnard-Ventura	189.5	196.0	197.3	3.2	3.1	3.1	8.8	10.3	10.3
Riverside-San Bernardino	526.5	547.1	554.3	1.3	1.3	1.3	39.5	42.2	41.6
Sacramento	502.8	521.8	521.4	.9	.8	.7	28.2	32.2	31.6
Salinas-Seaside-Monterey	102.5	106.1	106.3	.4	.5	.5	3.7	3.9	4.0
San Diego	798.1	819.4	824.2	.8	.8	.8	47.7	50.3	50.2
San Francisco	930.1	939.4	940.9	1.7	1.4	1.4	33.3	36.3	36.1
San Jose	790.8	792.2	790.6	.2	.2	.2	33.7	31.9	31.5
Santa Barbara-Santa Maria-Lompoc	140.9	144.7	144.2	1.5	1.4	1.4	6.6	6.7	6.7
Santa Rosa-Petaluma	116.1	117.3	117.7	.7	.5	.5	7.7	7.6	7.3
Stockton	132.2	137.8	135.4	.1	.1	.1	7.9	8.3	8.0
Vallejo-Fairfield-Napa	115.5	120.7	120.1	.4	.3	.3	6.7	7.6	7.6
Colorado	1,438.2	1,451.0	1,459.2	31.9	27.2	27.1	83.9	86.0	83.2
Boulder-Longmont	104.8	109.0	109.3	.3	.2	.2	4.7	4.9	4.7
Denver	825.2	826.6	827.7	20.7	17.9	17.8	46.0	44.7	43.7
Connecticut	1,598.0	1,625.4	1,846.1	1.7	1.8	1.8	71.0	76.9	76.6
Bridgeport-Milford	193.7	197.7	199.5	(¹)	(¹)	(¹)	7.8	8.7	8.8
Hartford	451.7	460.8	465.8	.3	.3	.3	17.5	19.4	19.4
New Britain	62.6	63.7	64.0	(¹)	(¹)	(¹)	3.7	3.8	3.8
New Haven-Meriden	240.3	239.7	246.8	.3	.3	.3	11.4	12.5	12.6
Stamford	122.5	124.4	125.6	.8	.8	.8	5.4	5.8	5.8
Waterbury	86.8	85.2	86.0	(¹)	(¹)	(¹)	3.9	4.3	4.3
Delaware	299.9	305.6	307.5	.1	.1	.1	19.1	18.0	17.7
Wilmington	260.6	264.8	266.8	.2	.2	.2	18.6	16.6	16.0
District of Columbia	634.0	651.0	655.5	.1	.1	.1	13.0	16.6	16.7
Washington MSA	1,954.1	2,009.7	2,020.5	1.3	1.2	1.2	116.1	128.8	128.4
Florida	4,499.5	4,618.2	4,667.5	9.9	10.0	10.1	338.9	341.1	342.0
Daytona Beach	102.6	109.5	109.5	(¹)	(¹)	(¹)	7.3	7.5	7.5
Fort Lauderdale-Hollywood-Pompano Beach	426.0	440.0	445.6	.4	.4	.4	37.1	37.2	36.9
Fort Myers-Cape Coral	95.0	100.4	102.8	(¹)	(¹)	(¹)	11.1	12.2	12.2
Gainesville	86.8	90.5	90.5	(¹)	(¹)	(¹)	4.2	4.6	4.4
Jacksonville	368.0	385.1	388.8	.5	.5	.5	27.1	27.8	27.5
Lakeland-Winter Haven	135.2	133.5	136.1	4.5	4.2	4.5	8.9	8.7	8.8
Melbourne-Titusville-Palm Bay	139.0	136.2	136.1	(¹)	(¹)	(¹)	9.3	8.7	8.7
Miami-Hialeah	795.4	809.9	815.3	.8	.8	.8	38.7	38.5	38.5
Orlando	419.6	445.1	449.9	(¹)	(¹)	(¹)	34.2	35.0	35.5
Pensacola	117.6	120.2	120.1	.3	.3	.3	9.4	10.2	10.0
Sarasota	92.2	94.8	96.2	(¹)	(¹)	(¹)	10.1	10.0	10.1
Tallahassee	99.5	104.1	104.3	(¹)	(¹)	(¹)	4.8	5.2	5.3
Tampa-St. Petersburg-Clearwater	741.3	753.5	757.8	.6	.6	.6	61.3	61.8	61.5
West Palm Beach-Boca Raton-DeLray Beach	291.4	300.9	308.9	(¹)	(¹)	(¹)	28.4	29.7	30.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Alabama	355.8	354.7	352.4	72.4	71.7	71.1	308.5	319.3	321.6
Birmingham	55.6	53.0	53.0	29.0	29.3	29.5	92.6	98.2	99.4
Huntsville	31.3	30.6	30.9	2.5	2.5	2.5	21.6	22.0	22.1
Mobile	26.0	25.8	25.9	9.4	9.0	8.5	42.3	42.6	43.3
Montgomery	16.9	17.4	17.3	4.7	4.5	4.5	26.3	26.3	26.6
Tuscaloosa	8.2	8.8	8.8	2.0	2.1	2.1	11.2	11.3	11.5
Alaska	9.1	10.5	9.3	18.6	18.7	18.4	47.2	44.7	43.7
Arizona	181.6	184.7	184.4	64.1	65.7	66.4	328.8	336.7	343.9
Phoenix	128.8	131.3	131.4	41.8	43.3	43.7	225.7	231.1	236.6
Tucson	32.6	32.3	32.1	9.3	9.7	9.8	54.1	55.6	56.4
Arkansas	209.8	215.7	214.0	48.9	52.4	52.0	186.3	190.3	190.2
Fayetteville-Springdale	9.4	10.1	10.1	3.8	3.9	3.9	10.9	10.9	11.2
Fort Smith	23.8	25.0	24.9	3.4	3.4	3.4	16.0	15.7	16.0
Little Rock-North Little Rock	33.9	32.0	31.6	15.0	14.6	14.6	55.1	55.2	55.4
Pine Bluff	5.6	5.8	5.7	2.9	2.9	2.9	6.7	6.6	6.5
California	2,092.3	2,113.2	2,105.9	568.3	575.6	573.4	2,656.6	2,735.1	2,767.0
Anaheim-Santa Ana	240.8	242.3	241.4	33.2	34.2	34.3	251.9	268.4	272.1
Bakersfield	10.5	10.3	10.3	8.4	8.5	8.4	39.4	39.5	40.2
Fresno	22.3	25.3	24.3	10.3	10.7	10.8	49.8	50.0	50.6
Los Angeles-Long Beach	904.8	912.7	916.0	199.6	200.7	200.0	908.9	920.5	931.7
Modesto	20.3	22.3	20.9	4.3	4.4	4.3	24.7	26.4	26.7
Oakland	104.9	104.8	104.5	51.5	55.8	55.5	199.3	203.0	205.3
Oxnard-Ventura	28.3	29.1	29.0	9.4	10.4	10.4	49.0	50.1	50.6
Riverside-San Bernardino	66.9	69.5	69.5	29.7	30.6	30.4	134.6	137.8	140.4
Sacramento	35.2	37.0	36.2	23.6	24.4	24.3	122.2	125.2	126.9
Salinas-Seaside-Monterey	9.4	9.9	9.7	5.3	5.3	5.3	28.5	29.5	29.6
San Diego	123.3	120.2	120.1	31.1	31.5	31.7	190.9	198.9	201.7
San Francisco	81.6	79.8	79.9	82.9	80.3	80.1	217.0	222.6	224.9
San Jose	285.5	279.9	276.8	22.2	22.3	22.2	154.7	158.7	160.6
Santa Barbara-Santa Maria-Lompoc	23.0	24.1	23.7	5.5	5.6	5.5	34.1	34.9	34.9
Santa Rosa-Petaluma	17.8	18.1	17.8	5.4	5.6	5.6	29.8	30.4	31.2
Stockton	20.5	21.6	20.7	8.0	8.6	8.4	31.5	34.2	33.0
Vallejo-Fairfield-Napa	10.4	11.4	11.2	4.4	4.6	4.6	27.7	29.1	29.5
Colorado	192.9	191.3	189.7	89.5	85.8	86.8	359.3	362.5	366.9
Boulder-Longmont	29.0	29.0	28.8	2.5	2.5	2.5	21.9	23.6	23.9
Denver	102.3	99.2	98.7	64.5	61.4	62.5	208.3	209.1	211.5
Connecticut	408.8	403.8	405.2	70.2	62.8	72.3	361.5	370.2	376.2
Bridgeport-Milford	62.7	62.2	62.4	7.5	6.9	7.8	45.4	47.4	48.0
Hartford	93.3	92.5	93.3	17.3	16.5	17.9	98.8	98.9	100.7
New Britain	21.5	21.1	21.0	3.4	3.4	3.6	12.0	12.5	12.5
New Haven-Meriden	47.5	47.0	47.2	17.7	12.5	17.9	57.0	58.7	59.6
Stamford	27.8	26.1	26.0	4.9	4.7	5.0	29.8	30.7	31.1
Waterbury	28.4	26.5	26.4	3.2	2.8	3.2	16.8	16.9	17.3
Delaware	72.3	68.8	69.2	12.3	12.0	12.1	66.1	69.1	70.3
Wilmington	62.0	59.2	59.7	13.3	13.8	13.7	54.2	56.4	57.7
District of Columbia	15.2	15.4	15.3	25.5	24.2	24.2	65.7	62.9	63.9
Washington MSA	83.2	82.8	82.7	88.1	89.5	90.2	396.1	396.3	403.0
Florida	520.0	526.5	528.5	244.7	244.3	246.2	1,214.5	1,257.7	1,280.4
Daytona Beach	12.1	12.5	12.5	3.3	3.4	3.4	29.6	32.1	32.0
Fort Lauderdale-Hollywood-Pompano Beach	44.0	45.0	45.4	20.8	20.7	20.8	127.4	127.6	130.1
Fort Myers-Cape Coral	4.9	5.2	5.2	4.2	4.6	4.6	28.8	30.3	31.6
Gainesville	5.2	5.3	5.4	1.7	1.8	1.8	18.9	20.8	20.7
Jacksonville	37.3	37.9	37.9	28.2	28.6	28.6	101.2	106.3	108.3
Lakeland-Winter Haven	22.5	20.5	21.3	6.2	6.4	6.6	36.8	36.4	37.3
Melbourne-Titusville-Palm Bay	26.8	26.5	26.0	5.5	5.4	5.4	31.9	31.8	32.3
Miami-Hialeah	94.3	93.6	93.3	68.2	68.9	69.0	213.9	218.3	221.4
Orlando	49.3	53.7	54.1	21.6	22.2	22.5	114.8	121.0	123.2
Pensacola	11.5	10.8	10.8	6.6	6.4	6.5	30.1	30.3	30.5
Sarasota	7.5	8.1	8.1	3.5	3.6	3.7	27.1	27.7	28.8
Tallahassee	4.1	4.1	4.1	2.8	3.0	3.0	21.1	22.3	22.4
Tampa-St. Petersburg-Clearwater	91.6	91.0	90.8	37.2	36.6	36.8	204.9	208.3	210.6
West Palm Beach-Boca Raton-Delray Beach	37.5	35.3	36.4	10.4	11.3	11.3	74.1	78.3	81.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Alabama	66.5	70.1	70.2	243.8	248.7	248.7	304.8	301.4	301.8
Birmingham	26.9	27.7	27.7	81.8	84.6	84.4	58.0	59.4	59.2
Huntsville	3.2	3.2	3.3	21.8	23.4	23.5	28.0	28.6	28.7
Mobile	8.0	7.7	7.7	32.6	33.3	33.2	27.8	27.5	27.7
Montgomery	7.0	7.1	7.1	23.4	23.4	23.4	31.2	31.0	31.2
Tuscaloosa	1.7	1.8	1.8	7.4	7.6	7.6	19.1	19.4	19.5
Alaska	12.9	12.8	12.7	45.1	43.9	43.1	69.8	69.0	69.0
Arizona	83.8	91.4	91.6	304.5	325.7	326.2	230.3	237.3	240.6
Phoenix	65.7	72.0	72.1	206.3	222.6	223.4	118.0	123.3	124.4
Tucson	11.9	13.0	13.1	57.7	59.6	59.6	50.4	49.3	50.7
Arkansas	36.9	37.9	37.7	141.2	149.4	148.3	149.2	148.7	149.3
Fayetteville-Springdale	1.5	1.5	1.4	6.1	6.3	6.3	11.0	11.0	11.0
Fort Smith	2.7	2.8	2.8	13.3	13.8	13.8	7.3	7.4	7.5
Little Rock-North Little Rock	15.1	15.2	15.2	47.7	49.5	49.3	45.4	45.3	45.3
Pine Bluff	1.6	1.7	1.7	5.6	5.6	5.5	7.4	7.5	7.5
California	749.3	768.1	769.8	2,674.3	2,755.6	2,755.9	1,841.4	1,863.6	1,882.3
Anaheim-Santa Ana	75.2	78.1	78.3	233.3	241.6	243.0	111.7	113.0	114.6
Bakersfield	5.9	5.9	6.0	29.4	29.7	29.9	37.3	38.7	37.6
Fresno	13.1	13.7	13.6	43.2	44.9	45.1	43.0	42.0	42.4
Los Angeles-Long Beach	263.6	270.6	271.5	982.8	1,009.7	1,015.2	488.9	494.9	499.6
Modesto	4.1	4.3	4.2	20.1	20.6	20.7	16.0	16.4	17.0
Oakland	47.6	52.1	52.2	175.3	183.2	180.5	156.6	159.3	159.5
Oxnard-Ventura	10.3	10.4	10.5	40.5	41.9	42.1	40.0	40.7	41.3
Riverside-San Bernardino	22.4	23.3	23.5	121.2	126.2	128.2	110.9	116.2	119.4
Sacramento	28.9	30.9	30.7	103.6	108.4	107.2	160.2	162.9	163.8
Salinas-Seaside-Monterey	4.8	5.0	5.0	24.4	25.9	25.7	26.0	26.1	26.5
San Diego	52.7	53.8	54.0	201.5	210.4	210.8	150.1	153.5	154.9
San Francisco	111.3	110.2	110.6	265.6	271.6	269.4	136.7	137.2	138.5
San Jose	32.0	33.1	33.0	181.1	184.5	183.0	81.4	81.6	83.3
Santa Barbara-Santa Maria-Lompoc	7.4	7.6	7.6	36.5	37.7	37.5	26.3	28.7	26.9
Santa Rosa-Petaluma	7.9	8.0	8.1	24.9	25.3	25.2	21.9	21.8	22.0
Stockton	8.1	8.0	8.0	27.6	28.2	28.0	28.5	28.8	29.2
Vallejo-Fairfield-Napa	4.7	5.0	5.0	25.2	26.7	25.8	36.0	36.0	36.1
Colorado	98.5	100.7	100.8	324.4	337.0	343.6	257.8	260.5	261.2
Boulder-Longmont	3.8	4.0	4.0	21.4	22.8	22.7	21.4	22.1	22.4
Denver	66.7	68.8	68.8	194.9	202.3	200.7	121.7	123.3	124.1
Connecticut	132.6	139.9	141.0	358.1	373.3	373.5	194.1	196.7	199.5
Bridgeport-Milford	10.1	10.8	10.9	41.7	42.9	42.8	18.5	18.8	18.8
Hartford	68.7	72.4	72.9	98.0	102.9	102.8	57.8	57.9	58.3
New Britain	3.2	3.6	3.6	12.2	12.8	12.8	6.6	6.5	6.7
New Haven-Meriden	13.6	14.2	14.2	62.6	64.8	65.0	30.2	29.4	30.0
Stamford	10.1	10.6	10.7	34.4	36.3	36.3	9.3	9.4	9.4
Waterbury	3.6	3.6	3.6	20.0	20.5	20.5	10.9	10.6	10.7
Delaware	20.4	22.2	22.2	63.8	68.5	68.3	45.9	46.9	47.5
Wilmington	18.9	21.3	21.4	56.6	60.0	60.3	36.8	37.3	37.8
District of Columbia	34.9	35.2	35.3	219.5	230.2	231.7	260.2	266.6	268.4
Washington MSA	109.5	115.3	115.8	598.3	625.0	626.5	561.6	570.8	572.7
Florida	324.4	335.1	337.1	1,153.0	1,187.1	1,203.4	694.1	716.4	719.8
Daytona Beach	6.1	6.6	6.5	27.2	30.0	30.0	17.0	17.4	17.6
Fort Lauderdale-Hollywood-Pompano Beach	36.4	37.8	37.9	115.9	117.5	120.2	53.0	53.8	53.9
Fort Myers-Cape Coral	7.1	7.3	7.5	24.5	25.9	26.6	14.3	14.8	15.0
Gainesville	3.3	3.5	3.4	19.0	20.1	20.2	34.4	34.3	34.5
Jacksonville	33.1	34.6	34.9	85.2	91.6	92.9	55.4	57.8	58.2
Lakeland-Winter Haven	7.7	7.8	7.8	30.3	30.6	30.8	18.3	18.9	19.0
Melbourne-Titusville-Palm Bay	5.1	5.0	5.0	41.5	39.4	39.3	18.8	19.3	19.3
Miami-Hialeah	66.0	67.5	67.8	211.1	214.6	216.9	102.4	107.7	107.6
Orlando	27.5	29.9	30.0	121.9	129.4	130.5	50.2	53.8	54.0
Pensacola	5.0	5.2	5.2	27.7	29.4	29.5	27.0	27.6	27.3
Sarasota	7.7	8.0	8.0	25.0	26.0	26.1	11.2	11.3	11.3
Tallahassee	4.5	4.5	4.5	18.7	19.8	19.9	43.2	44.9	44.9
Tampa-St. Petersburg-Clearwater	57.9	59.8	60.2	193.5	198.6	200.0	94.3	96.8	97.3
West Palm Beach-Boca Raton-Delray Beach	23.9	24.1	24.5	81.7	84.7	87.7	35.4	37.5	37.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Georgia	2,616.0	2,686.8	2,695.7	8.0	8.7	8.6	152.8	166.4	165.7
Albany	49.8	47.9	48.1	(¹)	(¹)	(¹)	2.5	2.4	2.4
Athens	60.2	61.3	61.3	.1	.1	.1	2.7	2.6	2.6
Atlanta	1,300.4	1,357.5	1,364.2	1.3	1.7	1.7	77.7	91.6	92.2
Augusta	147.3	146.7	146.8	.5	.5	.5	9.4	9.0	8.9
Columbus	89.7	89.5	89.7	.1	.1	.1	5.3	5.2	5.1
Macon-Warner Robins	116.3	116.8	117.0	.2	.2	.2	5.4	5.3	5.3
Savannah	96.6	99.9	100.5	(¹)	(¹)	(¹)	5.4	7.6	7.7
Hawaii	427.3	431.3	436.8	(¹)	(¹)	(¹)	17.4	19.3	19.4
Honolulu	344.7	347.3	351.5	(¹)	(¹)	(¹)	13.9	15.5	15.5
Idaho	346.1	342.7	340.1	3.8	2.6	2.5	17.0	16.0	14.8
Boise City	87.8	89.8	89.6	(¹)	(¹)	(¹)	5.7	5.9	5.7
Illinois	4,800.8	4,867.8	4,876.1	29.2	26.4	26.0	197.2	201.3	197.9
Aurora-Elgin	129.2	131.4	133.4	(¹)	(¹)	(¹)	4.9	5.4	5.4
Bloomington-Normal	52.9	53.7	53.5	(¹)	(¹)	(¹)	1.3	1.3	1.3
Champaign-Urbana-Rantoul	79.7	80.8	80.9	(¹)	(¹)	(¹)	2.0	2.1	2.1
Chicago	2,974.8	2,996.7	3,009.2	2.6	2.5	2.5	116.2	120.9	119.7
Davenport-Rock Island-Moline	149.5	145.1	145.2	(¹)	(¹)	(¹)	4.8	4.9	4.8
Decatur	50.2	50.1	49.8	(¹)	(¹)	(¹)	1.8	1.8	1.8
Joliet	92.9	93.8	93.7	(¹)	(¹)	(¹)	4.8	4.5	4.5
Kankakee	32.2	32.0	32.2	(¹)	(¹)	(¹)	1.3	1.2	1.2
Lake County	175.7	180.2	181.2	(¹)	(¹)	(¹)	7.2	7.2	7.1
Peoria	130.3	129.1	129.0	(¹)	(¹)	(¹)	5.9	5.8	5.8
Rockford	120.9	121.5	121.6	(¹)	(¹)	(¹)	3.7	3.9	3.9
Springfield	91.0	91.1	91.5	(¹)	(¹)	(¹)	2.7	2.8	2.7
Indiana	2,225.5	2,302.8	2,302.9	10.0	9.4	9.3	99.3	115.0	113.0
Anderson	48.4	48.5	48.4	(¹)	(¹)	(¹)	1.3	1.4	1.4
Elkhart-Goshen	88.4	92.0	92.2	(¹)	(¹)	(¹)	2.5	2.7	2.7
Evansville	123.2	123.5	124.3	2.8	2.6	2.6	7.2	7.3	7.1
Fort Wayne	169.6	173.9	175.0	(¹)	(¹)	(¹)	7.9	9.1	8.9
Gary-Hammond	218.2	210.4	210.2	(¹)	(¹)	(¹)	13.2	14.3	14.0
Indianapolis	562.5	581.7	582.5	(¹)	(¹)	(¹)	28.7	29.1	28.7
Lafayette	62.1	63.2	62.9	(¹)	(¹)	(¹)	1.8	2.2	2.1
Muncie	48.8	49.3	49.3	(¹)	(¹)	(¹)	1.6	1.8	1.7
South Bend-Mishawaka	106.4	108.3	108.5	(¹)	(¹)	(¹)	4.6	5.1	5.1
Terre Haute	52.5	52.8	52.7	.5	.5	.5	1.9	1.9	1.9
Iowa	1,087.8	1,081.4	1,082.1	2.2	2.3	2.2	36.4	40.0	36.8
Cedar Rapids	82.8	84.2	84.2	.2	.2	.2	3.0	3.4	3.4
Des Moines	195.4	196.2	197.0	(¹)	(¹)	(¹)	8.8	10.1	9.9
Dubuque	40.6	(²)	(²)	(¹)	(²)	(²)	1.1	(²)	(²)
Iowa City	49.2	(²)	(²)	(¹)	(²)	(²)	1.3	(²)	(²)
Sioux City	48.6	48.1	48.3	(¹)	(¹)	(¹)	1.5	1.5	1.3
Waterloo-Cedar Falls	60.9	57.1	56.9	(¹)	(¹)	(¹)	2.0	1.8	1.7
Kansas	994.1	1,003.1	1,011.0	16.5	11.3	11.8	45.8	45.8	44.3
Lawrence	31.0	(²)	(²)	(¹)	(²)	(²)	.9	(²)	(²)
Topeka	83.8	84.2	84.4	(¹)	(¹)	(¹)	3.4	4.2	4.0
Wichita	208.2	208.2	209.3	3.2	2.1	2.5	9.7	9.8	9.6
Kentucky	1,268.0	1,298.6	1,299.1	43.2	42.5	42.1	60.5	67.5	67.5
Lexington-Fayette	167.8	169.3	169.0	.9	1.0	1.0	9.3	11.4	11.2
Louisville	418.7	434.6	436.7	.7	.7	.7	21.3	22.0	21.6
Owensboro	32.6	32.8	32.9	1.0	1.0	1.0	1.7	2.0	2.0
Louisiana	1,606.1	1,519.5	1,518.1	80.0	57.8	57.7	105.4	91.8	89.9
Alexandria	45.7	(²)	(²)	.2	(²)	(²)	2.9	(²)	(²)
Baton Rouge	216.7	213.8	214.0	1.2	1.3	1.3	22.3	21.4	21.8
Houma-Thibodaux	62.3	53.6	52.9	7.9	6.4	6.4	2.8	2.0	1.9
Lafayette	99.5	86.6	85.9	17.1	13.2	12.7	5.4	4.3	4.0
Lake Charles	58.3	55.8	55.5	2.1	1.6	1.4	3.6	3.8	3.5
Monroe	56.4	55.3	55.2	.6	.4	.4	3.7	3.7	3.7
New Orleans	533.1	511.3	511.6	19.0	16.4	16.2	27.7	24.3	23.3
Shreveport	139.4	131.1	130.9	4.7	2.7	2.8	8.2	7.2	7.4
Maine	465.9	483.2	479.5	.1	.1	.1	24.7	29.7	28.6
Lewiston-Auburn	37.7	38.3	38.1	(¹)	(¹)	(¹)	1.8	1.9	1.8
Portland	110.6	115.4	115.8	(¹)	(¹)	(¹)	6.2	6.8	6.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Georgia	560.4	557.9	556.9	164.1	166.6	166.0	666.5	692.6	699.6
Albany	10.2	8.5	8.5	2.5	2.5	2.5	12.5	12.6	12.6
Athens	14.7	15.0	15.1	1.7	1.8	1.8	12.8	13.1	13.0
Atlanta	185.5	186.4	186.2	105.6	107.7	107.3	375.5	393.2	397.8
Augusta	37.2	36.0	36.4	4.9	4.9	4.8	32.1	31.8	31.9
Columbus	20.8	19.8	19.8	3.3	3.3	3.3	19.9	19.6	19.8
Macon-Warner Robins	20.1	20.0	20.0	4.9	4.9	4.9	25.8	25.6	25.7
Savannah	15.9	15.6	15.7	9.8	9.8	9.7	25.1	24.8	25.0
Hawaii	21.7	21.3	21.6	33.9	33.8	34.1	116.3	117.9	118.9
Honolulu	15.9	15.6	15.7	27.8	27.6	27.9	92.2	93.1	93.8
Idaho	56.1	53.3	53.2	19.4	18.8	18.6	87.2	85.6	85.5
Boise City	10.8	10.8	10.8	5.6	5.7	5.7	22.7	23.2	23.3
Illinois	973.6	958.3	959.7	279.0	275.4	274.7	1,186.0	1,215.9	1,224.0
Aurora-Elgin	37.0	37.1	37.3	3.1	3.2	3.3	35.6	35.8	36.6
Bloomington-Normal	4.3	4.8	4.6	3.2	2.9	2.9	12.8	12.8	12.8
Champaign-Urbana-Rantoul	7.3	7.5	7.5	2.3	2.0	2.0	19.5	19.5	19.5
Chicago	574.2	562.7	561.0	187.4	187.8	188.5	744.2	746.5	755.4
Davenport-Rock Island-Moline	32.4	28.4	28.4	8.2	8.0	8.1	41.2	41.0	41.1
Decatur	14.8	14.1	13.8	4.4	4.4	4.4	11.3	11.7	11.7
Joliet	19.5	20.6	20.4	8.7	8.6	8.6	21.6	21.5	21.7
Kankakee	5.1	5.1	5.3	1.4	1.4	1.4	8.2	8.2	8.2
Lake County	41.9	41.1	41.1	5.9	5.9	5.9	43.8	43.2	44.0
Peoria	31.4	30.3	30.1	6.6	6.5	6.4	33.9	33.5	33.5
Rockford	45.0	45.1	45.1	4.5	4.4	4.4	27.4	27.7	27.7
Springfield	3.8	3.7	3.7	4.7	4.6	4.6	18.6	18.5	18.7
Indiana	604.9	597.4	595.1	112.4	115.7	115.3	529.4	561.1	565.6
Anderson	19.2	18.6	18.3	1.2	1.3	1.3	10.5	10.8	11.0
Elkhart-Goshen	47.1	49.1	49.1	2.8	2.9	2.9	16.6	17.3	17.5
Evansville	31.4	30.6	31.1	6.6	6.7	6.7	31.2	31.6	31.9
Fort Wayne	46.8	47.7	47.9	11.0	11.2	11.1	42.4	41.9	43.1
Gary-Hammond	59.4	49.5	49.1	13.9	13.4	13.4	50.0	49.8	50.2
Indianapolis	105.9	106.5	105.8	33.0	34.2	34.3	147.0	150.7	152.1
Lafayette	11.5	11.5	11.5	1.8	1.7	1.7	13.0	12.9	12.9
Muncie	10.8	10.7	10.6	2.3	2.3	2.3	11.7	12.0	12.1
South Bend-Mishawaka	24.9	24.0	23.7	4.4	4.7	4.7	28.0	28.7	29.2
Terre Haute	10.6	10.6	10.5	2.6	2.6	2.6	14.1	14.4	14.4
Iowa	204.3	194.7	195.6	51.3	49.3	49.3	280.3	277.2	278.4
Cedar Rapids	22.3	22.7	22.6	3.9	4.0	4.0	20.2	19.9	19.9
Des Moines	22.1	20.8	21.0	13.0	12.7	12.6	51.4	51.3	51.8
Dubuque	12.1	(²)	(²)	1.7	(²)	(²)	9.1	(²)	(²)
Iowa City	3.9	(²)	(²)	1.1	(²)	(²)	9.8	(²)	(²)
Sioux City	10.1	9.7	9.7	3.1	3.1	3.1	12.5	12.0	12.2
Waterloo-Cedar Falls	13.7	9.5	9.3	2.0	1.9	1.9	14.3	14.1	14.3
Kansas	175.5	174.2	173.1	65.3	64.7	64.3	251.5	253.6	256.3
Lawrence	4.5	(²)	(²)	1.4	(²)	(²)	7.1	(²)	(²)
Topeka	9.2	8.9	9.1	7.1	6.8	6.8	19.3	18.8	18.9
Wichita	55.5	56.3	56.0	9.8	9.7	9.5	52.0	51.7	52.7
Kentucky	252.3	252.1	252.5	67.4	68.5	69.5	301.1	308.7	309.6
Lexington-Fayette	28.9	27.4	27.8	7.6	7.6	7.6	40.3	39.6	39.7
Louisville	85.5	85.8	85.5	24.9	25.4	25.3	107.8	112.0	114.0
Owensboro	6.1	5.7	5.7	2.3	2.3	2.3	8.3	8.2	8.3
Louisiana	174.7	167.8	167.7	115.1	103.1	101.9	394.3	376.9	378.2
Alexandria	3.5	(²)	(²)	2.3	(²)	(²)	11.1	(²)	(²)
Baton Rouge	20.5	19.9	20.0	10.3	10.6	10.5	51.7	50.7	51.0
Houma-Thibodaux	5.1	4.5	4.5	7.7	5.8	5.8	15.7	13.3	13.0
Lafayette	6.2	4.7	4.8	7.3	6.4	6.4	26.0	23.2	23.3
Lake Charles	9.0	8.6	8.5	4.2	4.1	4.1	14.8	14.1	14.4
Monroe	7.5	7.8	7.8	2.7	2.5	2.6	16.4	15.2	15.3
New Orleans	44.6	42.8	43.2	45.6	42.3	42.0	144.2	137.9	138.8
Shreveport	19.9	18.1	17.7	8.4	7.7	7.7	33.6	30.7	30.7
Maine	106.9	106.1	105.1	19.2	19.6	19.3	109.8	114.5	114.2
Lewiston-Auburn	10.5	10.3	10.1	1.4	1.4	1.4	9.0	9.0	9.1
Portland	16.6	16.7	17.1	5.5	5.9	5.8	32.8	33.5	34.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Georgia	139.6	145.6	145.7	471.6	495.7	496.5	453.1	455.4	456.6
Albany	2.5	2.5	2.5	7.7	7.5	7.7	11.8	11.9	11.9
Athens	1.9	2.0	2.0	8.2	8.6	8.6	18.1	18.2	18.2
Atlanta	91.4	94.4	94.8	285.5	300.2	301.3	177.9	182.2	182.9
Augusta	5.5	5.8	5.8	25.5	26.2	26.1	32.2	32.6	32.5
Columbus	5.9	6.2	6.3	14.1	14.5	14.5	20.4	20.7	20.8
Macon-Warner Robins	6.8	7.1	7.2	20.1	20.4	20.2	33.0	33.3	33.4
Savannah	4.4	4.4	4.4	20.2	20.8	20.8	16.7	17.0	17.2
Hawaii	32.1	32.7	32.8	111.2	113.1	114.2	94.7	93.2	95.8
Honolulu	27.2	27.8	27.9	87.4	89.2	89.7	80.3	78.5	81.0
Idaho	23.6	23.7	23.7	66.3	68.1	67.9	72.7	74.6	73.9
Boise City	8.3	8.3	8.3	18.1	19.2	19.0	16.5	16.7	16.8
Illinois	338.8	345.2	344.8	1,103.5	1,137.3	1,138.7	693.5	708.0	710.3
Aurora-Elgin	6.6	6.6	6.6	27.4	28.9	29.5	14.5	14.3	14.6
Bloomington-Normal	8.7	8.7	8.7	10.6	10.8	10.8	12.0	12.4	12.4
Champaign-Urbana-Rantoul	2.5	2.6	2.6	13.0	13.1	13.1	33.1	34.0	34.1
Chicago	244.7	251.3	251.3	748.4	767.3	768.6	357.1	357.7	362.2
Davenport-Rock Island-Moline	7.3	7.4	7.4	28.4	28.6	28.6	27.2	26.8	26.8
Decatur	2.6	2.5	2.5	9.8	10.0	10.0	5.3	5.5	5.5
Joliet	3.6	3.6	3.6	18.7	18.9	18.8	15.8	15.9	15.9
Kankakee	1.6	1.6	1.6	8.0	8.0	8.0	6.6	6.5	6.5
Lake County	5.6	5.4	5.4	39.1	43.5	43.7	31.7	33.2	33.3
Peoria	6.7	7.0	7.1	30.3	30.4	30.5	15.5	15.6	15.6
Rockford	4.8	4.9	5.0	23.4	23.2	23.2	12.1	12.3	12.3
Springfield	7.7	7.8	7.8	22.4	22.2	22.3	31.0	31.4	31.6
Indiana	107.4	113.1	113.4	418.2	440.0	439.5	343.9	351.0	351.7
Anderson	1.6	1.6	1.6	8.8	9.1	9.1	5.8	5.7	5.7
Elkhart-Goshen	2.3	2.4	2.4	11.8	12.3	12.3	5.3	5.3	5.3
Evansville	4.7	4.9	4.9	27.6	28.0	28.1	11.7	11.8	11.9
Fort Wayne	10.9	11.4	11.5	33.3	34.9	34.8	17.3	17.7	17.7
Gary-Hammond	7.8	7.9	7.9	42.8	44.3	44.3	31.1	31.2	31.3
Indianapolis	41.1	42.6	42.6	121.2	129.0	129.1	86.8	88.9	89.2
Lafayette	2.7	2.8	2.8	10.4	10.8	10.8	20.9	21.3	21.1
Muncie	1.5	1.5	1.5	9.4	9.7	9.6	11.5	11.3	11.5
South Bend-Mishawaka	5.2	5.3	5.3	28.4	29.4	29.4	10.9	11.1	11.1
Terre Haute	1.7	1.7	1.7	10.4	10.4	10.4	10.7	10.7	10.7
Iowa	63.8	65.0	65.0	234.5	238.6	238.0	215.0	214.3	216.8
Cedar Rapids	4.8	5.1	5.1	17.9	18.6	18.6	10.5	10.3	10.4
Des Moines	25.0	25.8	25.9	46.4	47.2	47.1	28.7	28.2	28.6
Dubuque	1.4	(²)	(²)	11.8	(²)	(²)	3.6	(²)	(²)
Iowa City	1.3	(²)	(²)	7.2	(²)	(²)	24.6	(²)	(²)
Sioux City	2.6	2.6	2.6	12.4	12.8	12.9	6.4	6.4	6.5
Waterloo-Cedar Falls	3.2	3.2	3.1	13.5	14.1	14.0	12.2	12.5	12.6
Kansas	53.5	54.4	54.8	188.7	197.6	197.5	197.3	201.5	208.9
Lawrence	9	(²)	(²)	5.0	(²)	(²)	11.2	(²)	(²)
Topeka	5.9	6.1	6.1	18.2	18.5	18.5	20.6	20.8	20.9
Wichita	10.9	11.6	11.6	41.4	42.2	42.3	25.7	24.8	25.1
Kentucky	58.5	61.8	61.5	251.9	256.9	257.4	231.1	238.6	239.0
Lexington-Fayette	8.4	8.7	8.7	38.0	38.8	38.1	34.4	34.8	34.9
Louisville	27.5	28.8	28.9	92.9	98.2	98.7	58.1	61.8	62.1
Owensboro	1.2	1.4	1.4	7.2	7.2	7.2	4.8	5.0	5.0
Louisiana	85.9	83.9	83.9	322.1	317.4	317.9	328.6	320.8	320.9
Alexandria	2.5	(²)	(²)	10.0	(²)	(²)	13.2	(²)	(²)
Baton Rouge	14.0	13.5	13.5	41.2	42.3	41.8	55.5	54.1	54.1
Houma-Thibodaux	2.6	2.6	2.6	9.1	8.0	7.7	11.4	11.0	11.0
Lafayette	3.9	3.4	3.5	19.8	17.5	17.2	13.8	13.9	14.0
Lake Charles	2.7	2.6	2.5	10.9	9.9	9.8	11.0	11.1	11.3
Monroe	4.5	4.5	4.5	11.1	11.1	10.8	9.9	10.1	10.1
New Orleans	33.3	32.9	32.9	133.4	130.1	130.5	85.3	84.6	84.7
Shreveport	8.0	7.9	7.8	30.1	30.4	30.2	26.5	26.4	26.6
Maine	21.3	23.0	23.0	93.7	100.0	98.0	90.2	90.2	91.2
Lewiston-Auburn	1.9	2.0	2.1	9.3	9.7	9.7	3.8	4.0	3.9
Portland	9.8	10.8	10.7	25.1	26.7	26.3	14.6	15.0	15.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Maryland	1,920.7	1,957.1	1,959.3	1.5	1.9	1.8	135.8	145.3	143.6
Baltimore MSA	1,042.6	1,062.7	1,064.6	.2	.2	.2	66.6	71.6	70.8
Baltimore City	464.0	469.3	471.8	(¹)	(¹)	(¹)	20.9	21.1	20.3
Suburban Maryland-D.C.	677.9	693.6	696.3	.6	.6	.6	57.7	63.5	63.2
Massachusetts	2,973.3	3,000.4	3,009.8	1.5	1.4	1.4	116.0	124.4	124.0
Boston	1,679.4	1,706.9	1,722.4	.7	.9	.9	60.4	66.5	66.5
Brockton	69.2	71.7	71.9	(¹)	(¹)	(¹)	3.4	4.5	4.5
Fall River	55.4	55.5	55.8	(¹)	(¹)	(¹)	2.0	2.4	2.4
Fitchburg-Leominster	40.2	41.2	41.5	(¹)	(¹)	(¹)	2.1	3.0	3.0
Lawrence-Haverhill	163.4	163.2	164.4	(¹)	(¹)	(¹)	11.6	8.1	8.0
Lowell	104.6	107.5	108.5	(¹)	(¹)	(¹)	4.7	5.6	5.6
New Bedford	67.8	67.8	69.5	(¹)	(¹)	(¹)	2.5	2.5	2.5
Pittsfield	41.3	42.7	42.5	(¹)	(¹)	(¹)	1.8	1.9	1.9
Springfield	227.6	230.2	231.0	.1	.2	.1	8.3	9.5	9.5
Worcester	185.8	188.0	189.3	.1	.1	.1	8.5	9.8	9.7
Michigan	3,578.0	3,639.0	3,652.0	10.6	10.7	10.6	113.7	127.1	122.3
Ann Arbor	155.8	161.2	161.8	.2	(¹)	(¹)	4.8	5.5	5.4
Battle Creek	54.6	(²)	(²)	(¹)	(²)	(²)	1.5	(²)	(²)
Benton Harbor	60.5	(²)	(²)	.1	(²)	(²)	1.5	(²)	(²)
Detroit	1,781.3	1,838.9	1,845.7	.9	1.0	1.0	51.4	57.7	56.7
Flint	176.1	172.1	175.4	(¹)	(¹)	(¹)	4.0	4.5	4.3
Grand Rapids	299.6	300.0	300.7	.4	(¹)	(¹)	11.7	13.1	12.6
Jackson	48.9	(²)	(²)	.2	(²)	(²)	1.1	(²)	(²)
Kalamazoo	100.1	102.2	102.1	.1	(¹)	(¹)	3.1	3.0	2.9
Lansing-East Lansing	196.2	202.6	202.4	.6	(¹)	(¹)	5.9	6.9	6.7
Muskegon	55.8	(²)	(²)	.1	(²)	(²)	2.1	(²)	(²)
Saginaw-Bay City-Midland	149.0	151.6	151.3	.2	(¹)	(¹)	6.2	6.4	6.3
Minnesota	1,895.5	1,929.8	1,925.2	8.6	6.1	5.3	77.2	86.4	81.9
Duluth	85.5	84.7	85.0	5.2	3.0	2.4	3.0	3.8	3.9
Minneapolis-St. Paul	1,233.7	1,252.2	1,252.5	(¹)	(¹)	(¹)	51.3	55.5	53.9
Rochester	56.0	(²)	(²)	(¹)	(²)	(²)	1.9	(²)	(²)
St. Cloud	64.3	67.0	66.1	(¹)	(¹)	(¹)	3.1	3.2	3.2
Mississippi	854.5	860.4	860.0	8.8	6.9	6.9	38.3	36.8	35.9
Jackson	167.7	171.3	171.0	1.6	1.1	1.1	8.4	8.9	8.3
Missouri	2,132.3	2,172.8	2,174.4	6.5	5.7	5.9	101.0	111.7	109.7
Kansas City	705.2	708.9	710.2	.5	.4	.4	31.8	32.0	31.4
St. Joseph	36.5	(²)	(²)	(¹)	(²)	(²)	1.3	(²)	(²)
St. Louis	1,078.6	1,078.7	1,087.2	3.8	3.4	3.5	56.6	57.0	56.4
Springfield	100.8	103.2	103.7	.1	.1	.1	4.6	4.6	4.3
Montana	280.1	275.8	272.7	6.3	6.7	6.3	12.0	11.4	9.1
Nebraska	659.0	668.2	670.7	2.0	2.1	2.1	27.7	29.8	28.7
Lincoln	106.5	106.4	107.9	(¹)	(¹)	(¹)	4.1	4.0	4.0
Omaha	292.5	292.1	292.9	.3	.3	.3	13.6	13.6	13.3
Nevada	454.1	474.2	474.9	6.3	6.4	6.5	23.2	28.4	27.7
Las Vegas	258.8	269.5	271.1	.3	.2	.2	14.6	17.0	16.6
Reno	124.1	128.9	128.8	.7	.8	.8	5.7	7.1	7.0
New Hampshire	480.4	495.2	492.1	.5	.5	.5	35.3	38.5	37.5
Manchester	81.4	(²)	(²)	(¹)	(²)	(²)	5.3	(²)	(²)
Nashua	84.4	85.7	85.8	.1	.1	.1	3.9	4.0	4.1
New Jersey	3,468.0	3,573.4	3,582.9	2.1	2.4	2.4	146.8	159.9	157.9
Atlantic City	145.7	(²)	(²)	(¹)	(²)	(²)	7.4	(²)	(²)
Bergen-Passaic	646.0	659.1	660.9	.1	.4	.4	27.4	29.8	29.6
Camden	405.0	419.3	421.0	.1	.1	.1	20.1	22.5	22.4
Jersey City	238.3	241.7	243.0	(¹)	(¹)	(¹)	6.1	7.1	7.2
Middlesex-Somerset-Hunterdon	487.9	503.9	506.8	.6	.6	.6	20.4	22.4	22.3
Monmouth-Ocean	297.2	313.0	312.0	(¹)	(¹)	(¹)	18.4	20.4	20.1
Newark	941.6	952.0	957.3	.7	.6	.6	34.6	33.3	32.9
Trenton	185.5	192.8	194.3	(¹)	(¹)	(¹)	4.1	4.8	4.7
Vineland-Millville-Bridgeton	53.2	(²)	(²)	.3	(²)	(²)	1.6	(²)	(²)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Maryland	215.6	208.3	207.3	91.2	92.0	92.1	485.6	484.2	487.4
Baltimore MSA	137.4	131.0	129.8	58.0	57.8	57.7	251.3	250.5	253.8
Baltimore City	51.6	48.3	48.5	32.4	31.8	31.7	99.5	95.2	96.9
Suburban Maryland-D.C.	35.4	34.6	34.5	19.5	19.8	20.0	179.8	178.4	181.4
Massachusetts	657.0	624.8	624.4	129.6	130.7	130.3	698.1	708.0	715.3
Boston	316.1	312.2	312.7	75.3	77.5	77.5	377.2	383.6	391.9
Brockton	11.3	10.8	10.8	4.9	4.8	4.8	20.6	21.3	21.6
Fall River	18.7	18.1	18.3	1.7	1.7	1.6	13.4	13.9	14.0
Fitchburg-Leominster	13.8	13.6	13.8	1.6	1.7	1.7	9.6	9.8	9.8
Lawrence-Haverhill	57.0	55.3	55.4	6.4	6.9	7.0	33.6	35.5	36.3
Lowell	38.6	37.0	37.4	3.8	3.9	3.8	22.9	25.0	25.5
New Bedford	23.6	21.3	22.5	2.6	2.6	2.5	15.5	16.2	16.4
Pittsfield	11.9	11.9	11.9	1.0	1.1	1.1	11.0	11.9	11.9
Springfield	53.3	52.6	52.5	8.8	8.7	8.7	53.3	53.7	54.2
Worcester	45.7	43.1	43.0	8.0	7.8	7.9	44.8	46.0	47.1
Michigan	986.7	970.6	976.3	144.3	148.6	147.9	798.3	818.8	826.7
Ann Arbor	35.8	37.1	37.3	4.6	4.3	4.4	25.3	27.4	27.4
Battle Creek	14.6	(²)	(²)	1.7	(²)	(²)	10.2	(²)	(²)
Benton Harbor	20.7	(²)	(²)	2.5	(²)	(²)	11.9	(²)	(²)
Detroit	478.5	477.4	478.7	79.4	82.0	81.6	414.8	433.5	438.8
Flint	68.5	62.8	65.3	4.4	4.3	4.3	40.8	41.4	41.7
Grand Rapids	99.3	96.5	96.9	10.6	10.6	10.6	73.9	74.8	75.6
Jackson	12.9	(²)	(²)	4.1	(²)	(²)	10.4	(²)	(²)
Kalamazoo	29.6	29.4	29.4	3.0	3.0	3.1	21.5	22.2	22.0
Lansing-East Lansing	39.6	38.7	38.3	5.1	5.1	5.1	36.9	38.4	38.7
Muskegon	19.5	(²)	(²)	2.6	(²)	(²)	11.7	(²)	(²)
Saginaw-Bay City-Midland	47.7	44.6	45.0	7.1	6.8	6.8	33.9	35.8	36.3
Minnesota	368.4	369.8	365.9	100.4	99.9	99.9	475.4	475.6	477.4
Duluth	6.9	6.8	7.5	6.0	5.7	5.7	22.2	21.8	21.9
Minneapolis-St. Paul	254.2	253.4	252.2	68.4	68.8	68.3	305.8	305.5	306.5
Rochester	11.0	(²)	(²)	1.8	(²)	(²)	11.7	(²)	(²)
St. Cloud	10.2	11.3	10.6	3.6	3.8	3.8	19.2	20.3	20.3
Mississippi	223.4	222.5	221.3	40.3	41.0	40.8	181.6	185.0	187.1
Jackson	19.8	21.1	20.9	10.9	10.9	10.9	40.5	41.5	42.0
Missouri	429.2	415.7	419.5	144.2	143.8	143.8	525.5	540.3	542.0
Kansas City	120.1	116.0	117.5	53.2	53.5	53.6	187.5	190.0	190.6
St. Joseph	9.0	(²)	(²)	2.1	(²)	(²)	9.1	(²)	(²)
St. Louis	222.7	216.3	220.9	72.8	70.8	71.4	259.9	260.6	263.8
Springfield	19.3	18.6	18.9	6.1	6.1	6.1	27.9	28.8	29.0
Montana	21.7	21.3	20.9	20.5	20.5	20.2	76.5	72.6	72.4
Nebraska	87.5	89.7	88.7	43.7	42.1	42.4	168.7	168.9	169.7
Lincoln	13.0	13.0	13.1	5.9	5.9	5.9	24.5	24.1	24.4
Omaha	34.0	34.2	34.0	23.7	22.2	22.5	73.1	72.6	73.3
Nevada	22.1	22.5	22.4	25.4	26.4	26.4	94.7	96.7	98.3
Las Vegas	7.9	8.1	8.1	14.5	14.6	14.9	54.6	55.6	56.7
Reno	8.2	8.3	8.3	7.9	8.6	8.7	28.7	29.3	29.8
New Hampshire	122.9	119.7	119.1	15.8	16.1	16.1	116.2	121.2	121.9
Manchester	15.4	(²)	(²)	4.9	(²)	(²)	21.7	(²)	(²)
Nashua	36.4	36.4	36.2	2.2	2.2	2.2	18.0	18.3	18.6
New Jersey	720.5	722.5	719.9	229.2	232.4	232.7	828.0	857.2	864.2
Atlantic City	8.0	(²)	(²)	5.9	(²)	(²)	28.9	(²)	(²)
Bergen-Passaic	166.5	166.6	166.4	31.5	31.9	31.6	184.0	184.8	185.7
Camden	77.5	76.5	78.5	17.5	17.8	17.7	109.4	112.8	113.4
Jersey City	56.6	55.4	55.5	30.7	30.9	31.2	55.8	58.5	59.3
Middlesex-Somerset-Hunterdon	114.1	114.2	114.8	37.5	38.0	38.0	118.1	120.4	121.8
Monmouth-Ocean	32.4	31.8	31.9	14.8	15.3	15.3	82.5	86.9	87.1
Newark	196.5	191.9	192.7	78.2	78.2	78.5	194.8	199.7	201.5
Trenton	33.0	34.1	34.1	5.9	6.2	6.2	30.2	31.4	32.0
Vineland-Millville-Bridgeton	14.8	(²)	(²)	2.2	(²)	(²)	10.8	(²)	(²)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Maryland	111.9	118.6	118.7	478.9	509.5	508.9	400.2	397.3	399.5
Baltimore MSA	68.4	72.1	72.7	254.1	273.5	272.4	206.6	206.0	207.2
Baltimore City	42.8	45.3	45.7	128.5	139.5	139.5	88.3	88.1	89.2
Suburban Maryland-D.C.	36.1	38.9	38.9	188.9	199.0	199.0	159.9	158.8	158.7
Massachusetts	194.2	202.3	202.9	794.1	828.9	829.1	382.8	379.9	382.4
Boston	131.6	138.7	139.6	521.3	538.9	542.0	196.8	188.6	191.3
Brockton	2.9	3.1	3.1	14.4	15.6	15.5	11.7	11.6	11.6
Fall River	2.7	2.8	2.8	10.3	10.2	10.3	6.6	6.4	6.4
Fitchburg-Leominster	1.5	1.6	1.6	7.1	7.1	7.0	4.5	4.4	4.6
Lawrence-Haverhill	5.4	5.7	5.6	31.1	32.6	32.8	18.3	19.1	19.3
Lowell	3.6	3.9	3.9	17.5	18.3	18.3	13.5	13.7	13.9
New Bedford	2.6	3.1	3.3	11.4	12.1	12.1	9.6	10.0	10.2
Pittsfield	2.1	2.1	2.1	8.7	8.9	8.7	4.8	4.8	4.8
Springfield	14.7	15.2	15.2	52.3	54.6	55.0	36.8	35.7	35.8
Worcester	11.5	12.1	12.1	43.7	46.0	46.1	23.5	23.1	23.3
Michigan	163.9	170.9	171.1	755.6	788.8	787.2	604.8	603.5	609.9
Ann Arbor	4.3	4.5	4.5	29.9	31.3	31.3	50.8	51.0	51.4
Battle Creek	3.9	(²)	(²)	11.0	(²)	(²)	11.6	(²)	(²)
Benton Harbor	2.2	(²)	(²)	13.4	(²)	(²)	8.4	(²)	(²)
Detroit	96.4	99.7	100.0	427.4	449.4	449.6	232.5	238.2	239.3
Flint	6.1	6.4	6.4	29.3	30.0	30.2	23.0	22.8	23.1
Grand Rapids	12.1	12.5	12.5	61.7	61.8	61.9	30.0	30.3	30.2
Jackson	1.5	(²)	(²)	9.4	(²)	(²)	9.3	(²)	(²)
Kalamazoo	4.0	4.3	4.3	22.0	23.2	23.2	16.8	17.0	17.1
Lansing-East Lansing	10.5	11.5	11.5	33.2	36.2	36.0	64.5	65.3	65.7
Muskegon	1.3	(²)	(²)	10.9	(²)	(²)	7.5	(²)	(²)
Saginaw-Bay City-Midland	5.9	5.9	5.9	28.6	31.4	30.2	19.4	20.5	20.6
Minnesota	111.9	116.9	117.1	439.3	457.0	456.1	314.1	318.1	321.7
Duluth	3.0	3.1	3.1	19.7	20.2	20.3	19.4	20.3	20.2
Minneapolis-St. Paul	86.0	90.4	90.5	298.2	308.6	308.7	168.9	169.0	171.4
Rochester	1.5	(²)	(²)	22.4	(²)	(²)	5.7	(²)	(²)
St. Cloud	2.2	2.3	2.3	13.2	13.4	13.5	12.5	12.4	12.3
Mississippi	35.9	37.1	37.0	132.6	137.1	137.1	193.7	194.0	193.7
Jackson	13.1	13.7	13.8	35.7	36.7	36.5	37.7	37.5	37.6
Missouri	121.8	126.1	126.5	465.3	491.6	486.7	338.8	337.9	340.3
Kansas City	52.1	53.3	53.4	154.4	156.9	156.0	105.7	106.8	107.3
St. Joseph	2.1	(²)	(²)	7.0	(²)	(²)	5.9	(²)	(²)
St. Louis	66.0	69.6	69.9	258.6	267.9	267.5	138.3	133.1	133.8
Springfield	4.6	4.6	4.6	25.1	26.5	26.6	13.1	13.9	14.1
Montana	13.1	12.7	12.6	60.0	60.0	60.7	69.9	70.6	70.5
Nebraska	45.6	47.8	47.8	144.3	147.3	147.0	139.5	140.5	144.3
Lincoln	7.7	8.0	8.0	21.5	21.9	22.0	29.8	29.5	30.5
Omaha	27.0	28.1	28.1	75.6	76.3	76.0	45.2	44.8	45.4
Nevada	22.2	23.2	23.3	199.2	207.0	206.9	61.0	63.6	63.4
Las Vegas	13.3	14.1	14.1	123.0	127.7	128.6	30.6	32.0	31.9
Reno	6.5	8.7	6.7	50.8	52.0	51.4	15.6	16.1	16.1
New Hampshire	25.7	28.3	28.3	100.5	108.8	106.4	61.5	62.1	62.3
Manchester	7.2	(²)	(²)	19.2	(²)	(²)	7.7	(²)	(²)
Nashua	2.7	2.8	2.7	15.2	15.6	15.5	5.9	6.3	6.4
New Jersey	194.0	204.0	205.0	801.8	847.1	846.2	545.5	547.9	554.6
Atlantic City	8.8	(²)	(²)	64.5	(²)	(²)	24.2	(²)	(²)
Bergen-Passaic	32.7	34.8	34.9	135.6	143.0	143.4	68.1	67.8	68.9
Camden	20.4	20.7	21.0	89.9	95.4	95.7	70.1	71.5	72.2
Jersey City	8.9	8.9	9.1	38.2	38.0	37.7	42.0	42.9	43.0
Middlesex-Somerset-Hunterdon	29.0	30.0	30.0	95.3	105.4	105.1	72.8	72.9	74.2
Monmouth-Ocean	14.6	15.9	15.9	75.5	82.3	80.5	59.0	60.3	61.1
Newark	70.0	73.3	73.6	229.7	239.1	239.6	137.0	135.9	137.9
Trenton	8.8	9.1	9.1	50.3	52.2	52.9	53.2	55.0	55.3
Vineland-Millville-Bridgeton	2.8	(²)	(²)	9.3	(²)	(²)	11.3	(²)	(²)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
New Mexico	526.0	525.6	525.4	20.2	14.8	14.3	37.1	36.7	36.3
Albuquerque	223.7	227.3	228.1	.3	.3	.2	18.8	18.1	18.0
Las Cruces	38.2	41.1	40.9	(¹)	(¹)	(¹)	2.5	2.8	2.8
Santa Fe	50.9	50.9	51.0	.1	.1	.1	3.5	3.5	3.5
New York	7,893.0	8,013.0	8,050.7	6.7	6.7	6.6	306.6	337.5	333.8
Albany-Schenectady-Troy	388.7	393.1	393.8	.3	.3	.3	16.2	18.4	17.8
Binghamton	119.1	118.2	118.7	(¹)	(¹)	(¹)	5.2	5.7	5.6
Buffalo	425.6	429.3	430.5	.5	.5	.5	18.2	18.8	17.8
Elmira	35.6	36.8	37.5	(¹)	(¹)	(¹)	1.3	1.7	1.7
Glens Falls	41.6	43.4	42.6	(¹)	(¹)	(¹)	1.9	2.1	2.1
Monroe County	374.4	(²)	(²)	.3	(²)	(²)	13.2	(²)	(²)
Nassau-Suffolk	1,096.7	1,119.7	1,125.8	.3	.3	.3	54.1	57.2	56.9
New York PMSA	4,047.4	4,088.4	4,112.5	1.8	1.7	1.7	140.9	149.0	149.6
New York City	3,538.9	3,573.8	3,594.8	1.3	1.2	1.2	111.8	118.3	118.8
Niagara Falls	80.4	80.3	79.9	(¹)	(¹)	(¹)	3.7	3.5	3.3
Orange County	94.3	96.1	96.0	(¹)	(¹)	(¹)	4.1	4.3	4.3
Poughkeepsie	116.5	116.1	116.7	.2	.2	.2	5.6	6.3	6.4
Rochester	461.2	461.2	460.7	.8	.8	.8	16.6	18.3	17.6
Rockland County	94.6	94.3	95.2	(²)	(²)	(²)	4.2	4.5	4.7
Syracuse	293.5	294.8	295.6	.3	.1	.1	17.0	16.0	15.3
Utica-Rome	118.7	118.9	118.5	.1	.2	.2	3.9	4.3	3.8
Westchester County	397.6	403.4	405.7	.3	.3	.3	23.7	24.5	24.4
North Carolina	2,699.8	2,769.0	2,778.6	4.7	4.7	4.7	155.6	165.6	165.4
Asheville	76.5	75.7	75.1	.1	.1	.1	3.8	3.8	3.7
Charlotte-Gastonia-Rock Hill	523.9	535.6	537.8	.3	.3	.3	29.8	31.4	31.3
Greensboro-Winston-Salem-High Point	442.8	449.4	450.1	.4	.4	.4	22.9	24.2	23.9
Raleigh-Durham	364.4	368.6	369.5	.3	.3	.3	24.5	24.6	24.3
North Dakota	253.5	253.0	251.9	6.9	4.4	4.3	12.1	12.6	11.2
Bismarck	36.1	36.4	36.1	.2	.2	.2	1.5	1.6	1.4
Fargo-Moorhead	68.4	70.0	70.3	(¹)	(¹)	(¹)	3.4	3.8	3.3
Grand Forks	28.8	29.4	29.5	(¹)	(¹)	(¹)	1.5	1.7	1.5
Ohio	4,473.1	4,584.4	4,603.9	26.6	24.4	24.5	166.6	183.2	177.3
Akron	264.0	271.2	272.8	.8	.7	.7	9.1	11.0	10.7
Canton	155.5	(²)	(²)	1.3	(²)	(²)	6.1	(²)	(²)
Cincinnati	642.9	669.0	671.5	.5	.5	.5	25.1	27.8	27.4
Cleveland	882.7	897.4	900.2	1.2	1.0	1.0	30.1	31.2	30.0
Columbus	627.4	658.4	662.0	1.0	1.0	1.0	23.2	26.7	26.1
Dayton-Springfield	417.4	430.0	432.0	.4	.4	.4	15.2	17.6	17.1
Toledo	273.2	279.6	281.5	.2	.3	.2	9.8	10.8	10.6
Youngstown-Warren	187.7	(²)	(²)	.8	(²)	(²)	7.0	(²)	(²)
Oklahoma	1,178.9	1,154.9	1,158.9	63.2	52.9	53.1	45.8	44.5	44.3
Enid	23.9	(²)	(²)	1.6	(²)	(²)	.9	(²)	(²)
Lawton	33.9	32.5	32.5	.2	.2	.2	1.4	1.3	1.3
Oklahoma City	429.3	410.9	410.5	16.3	13.1	13.2	17.0	16.2	15.6
Tulsa	304.5	302.2	303.3	20.3	19.0	19.1	13.8	13.4	13.3
Oregon	1,050.6	1,076.9	1,070.5	1.7	1.8	1.7	31.7	34.5	31.8
Eugene-Springfield	98.6	101.5	101.0	.2	.3	.2	3.2	3.6	3.3
Portland	529.1	532.3	533.6	.6	.5	.5	17.0	18.6	17.3
Salem	90.9	95.3	92.7	.1	.1	.1	2.9	3.3	3.0
Pennsylvania	4,828.1	4,880.1	4,895.8	35.6	34.3	34.4	206.4	220.5	215.0
Allentown-Bethlehem	264.8	265.7	265.9	.5	.5	.5	10.7	12.2	12.1
Altoona	50.0	50.7	50.9	(²)	(²)	(²)	2.8	3.1	2.9
Beaver County	53.1	51.6	51.8	(²)	(²)	(²)	4.3	4.8	4.9
Delaware Valley	1,690.5	1,700.1	1,709.1	1.1	1.1	1.0	68.2	73.9	73.0
Erie	111.0	112.2	112.3	.3	.3	.3	3.4	4.2	4.1
Harrisburg-Lebanon-Carlisle	280.8	285.8	287.4	.4	.4	.4	10.6	10.8	10.8
Johnstown	76.8	77.9	77.6	4.6	3.6	3.5	2.8	3.4	3.1
Lancaster	170.6	178.8	177.1	.4	.4	.4	8.9	9.9	9.9
Philadelphia PMSA	2,093.5	2,118.9	2,129.9	1.2	1.2	1.1	88.2	96.4	95.4
Philadelphia City	771.0	772.8	775.4	(²)	(²)	(²)	19.4	20.2	19.5
Pittsburgh	870.1	866.1	872.2	7.3	7.1	6.8	44.1	46.5	44.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
New Mexico	37.7	38.6	38.0	29.8	28.0	27.8	127.6	129.4	130.8
Albuquerque	19.4	19.6	19.4	12.2	12.3	12.3	57.8	58.3	58.9
Las Cruces	3.3	3.9	3.5	1.4	1.5	1.4	8.0	8.4	8.4
Santa Fe	1.6	1.5	1.5	1.2	1.1	1.1	10.0	10.1	10.3
New York	1,289.9	1,256.0	1,254.4	418.3	413.5	416.4	1,686.2	1,688.7	1,710.7
Albany-Schenectady-Troy	51.7	48.1	48.1	16.5	16.4	16.6	84.8	84.8	86.0
Binghamton	38.9	36.8	36.8	4.2	4.1	4.1	24.7	24.9	25.5
Buffalo	77.9	76.5	76.0	21.5	21.7	21.8	107.4	107.5	109.8
Elmira	6.9	7.2	7.4	1.3	1.3	1.3	10.3	10.3	10.6
Glens Falls	10.0	10.0	10.1	1.3	1.3	1.3	9.4	10.0	9.7
Monroe County	126.5	(²)	(²)	11.1	(²)	(²)	76.5	(²)	(²)
Nassau-Suffolk	182.9	182.1	182.9	47.2	48.2	48.3	297.1	303.4	308.1
New York PMSA	491.8	484.9	484.3	257.3	251.7	253.8	782.5	773.1	781.6
New York City	406.1	399.5	399.1	232.1	226.8	228.8	659.0	649.6	656.2
Niagara Falls	24.5	24.0	23.9	3.9	4.0	3.9	18.3	18.0	18.3
Orange County	15.1	15.4	15.1	5.7	5.7	5.6	24.8	25.6	25.7
Poughkeepsie	34.2	32.4	32.4	3.2	3.2	3.2	20.6	20.9	21.2
Rochester	147.9	138.4	137.4	13.6	13.7	13.7	95.6	97.2	98.5
Rockland County	16.0	15.4	15.5	4.0	4.2	4.2	22.3	22.0	22.3
Syracuse	56.3	54.1	54.0	16.1	16.7	16.8	67.4	68.8	69.3
Utica-Rome	25.4	24.5	24.5	4.7	4.7	4.7	25.4	25.7	25.6
Westchester County	68.0	68.2	68.0	20.6	20.2	20.3	97.3	97.5	99.2
North Carolina	829.0	833.8	834.8	130.3	138.1	136.0	590.4	607.3	614.3
Asheville	21.2	20.0	20.1	3.6	3.7	3.8	17.6	17.4	17.5
Charlotte-Gastonia-Rock Hill	146.5	146.7	147.4	45.8	46.8	47.1	124.2	127.2	128.2
Greensboro-Winston-Salem-High Point	153.1	151.0	151.6	24.6	25.7	25.4	95.6	97.4	97.7
Raleigh-Durham	59.4	57.4	57.5	16.9	17.8	17.9	76.1	77.8	78.7
North Dakota	15.4	16.2	16.1	16.4	15.9	15.7	67.8	67.3	67.4
Bismarck	2.0	2.0	1.9	2.8	2.7	2.7	9.9	9.7	9.8
Fargo-Moorhead	4.7	5.1	4.9	4.1	4.0	4.0	20.4	20.9	21.0
Grand Forks	1.4	1.5	1.5	1.4	1.4	1.4	8.2	8.1	8.2
Ohio	1,123.1	1,089.2	1,097.9	204.3	207.7	207.8	1,072.8	1,114.6	1,126.0
Akron	67.2	65.8	65.8	12.9	13.3	13.3	64.9	67.2	68.7
Canton	46.1	(²)	(²)	8.0	(²)	(²)	38.2	(²)	(²)
Cincinnati	149.5	149.4	149.6	33.9	35.0	35.0	164.3	172.7	174.5
Cleveland	208.9	202.3	203.4	42.3	42.4	42.6	213.4	217.1	218.7
Columbus	106.8	103.9	104.7	26.2	27.1	27.3	160.3	168.8	171.0
Dayton-Springfield	106.6	104.3	104.2	14.7	15.8	15.8	93.9	97.9	99.0
Toledo	66.2	62.4	62.7	14.0	14.4	14.4	67.6	69.9	71.2
Youngstown-Warren	52.7	(²)	(²)	7.6	(²)	(²)	47.2	(²)	(²)
Oklahoma	170.4	157.7	157.7	64.0	61.9	61.7	290.0	288.8	291.3
Enid	1.9	(²)	(²)	2.6	(²)	(²)	6.8	(²)	(²)
Lawton	3.6	3.4	3.4	1.3	1.2	1.2	9.3	8.8	8.8
Oklahoma City	52.3	48.8	48.9	21.5	20.6	20.6	109.9	102.1	102.0
Tulsa	53.5	51.6	51.7	21.4	21.8	21.7	74.3	74.5	75.0
Oregon	201.1	203.4	196.9	58.8	59.2	59.4	266.5	268.1	270.2
Eugene-Springfield	18.2	18.5	18.3	4.5	4.0	4.0	25.0	25.4	25.5
Portland	93.8	90.7	89.6	34.8	34.6	34.6	141.5	140.7	143.1
Salem	13.6	15.1	12.5	2.7	2.8	2.5	20.5	21.7	21.8
Pennsylvania	1,074.8	1,037.0	1,034.1	241.1	241.7	243.5	1,109.9	1,132.6	1,149.6
Allentown-Bethlehem	84.5	78.4	77.8	13.9	14.1	14.0	57.3	58.8	59.7
Altoona	10.9	11.1	11.0	4.6	4.4	4.5	13.2	13.5	13.8
Beaver County	12.2	9.8	9.7	5.0	5.1	5.1	11.6	11.6	11.8
Delaware Valley	320.6	309.4	309.9	78.5	79.4	79.7	382.6	389.8	395.2
Erie	35.6	33.8	33.6	4.3	4.3	4.3	24.1	24.8	25.0
Harrisburg-Lebanon-Carlisle	51.6	50.3	51.0	18.2	18.3	18.5	63.4	65.0	65.9
Johnstown	12.2	12.3	12.3	5.2	5.1	5.1	16.7	17.4	17.3
Lancaster	58.4	60.2	60.3	6.8	7.1	6.8	41.3	42.6	43.0
Philadelphia PMSA	398.1	387.6	388.3	96.0	97.2	97.4	492.0	502.5	508.8
Philadelphia City	103.2	100.6	100.7	44.7	46.1	46.2	150.6	151.8	153.9
Pittsburgh	137.7	126.5	126.2	46.9	45.7	45.9	223.0	219.7	226.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
New Mexico	25.5	26.5	26.6	113.5	116.2	115.8	134.6	135.4	135.8
Albuquerque	13.5	13.8	13.9	57.7	59.0	58.5	44.0	45.9	46.9
Las Cruces	1.5	1.7	1.6	5.5	5.8	6.0	16.0	17.0	17.2
Santa Fe	2.0	2.1	2.1	12.1	12.7	12.5	20.4	19.8	19.9
New York	723.1	746.9	748.0	2,093.0	2,167.6	2,172.5	1,369.1	1,396.1	1,408.3
Albany-Schenectady-Troy	19.7	20.7	20.8	92.8	96.0	95.2	106.7	108.3	108.9
Binghamton	3.8	3.9	3.8	21.5	21.8	21.8	20.9	21.0	21.2
Buffalo	22.7	23.4	23.4	105.4	108.4	108.2	72.0	72.5	73.0
Elmira	1.2	1.2	1.2	8.3	8.7	8.7	6.4	6.4	6.7
Glens Falls	1.8	1.9	1.9	8.0	8.6	8.2	9.0	9.2	9.2
Monroe County	17.6	(^a)	(^a)	88.6	(^a)	(^a)	40.6	(^a)	(^a)
Nassau-Suffolk	65.9	69.4	69.4	270.1	278.5	276.8	179.1	180.7	183.0
New York PMSA	537.2	552.0	552.9	1,196.2	1,225.0	1,233.2	639.7	650.9	655.4
New York City	508.7	522.2	523.0	1,060.9	1,086.0	1,094.0	559.0	570.2	573.8
Niagara Falls	1.9	1.9	1.9	15.8	16.4	16.1	12.3	12.3	12.4
Orange County	3.5	3.5	3.7	19.3	19.9	19.6	21.7	21.8	21.8
Poughkeepsie	3.6	3.9	3.9	24.5	24.7	24.8	24.4	24.5	24.6
Rochester	19.5	20.7	20.7	103.2	107.4	107.0	63.9	64.7	65.0
Rockland County	3.6	3.8	3.8	23.4	23.0	23.1	21.1	21.3	21.7
Syracuse	18.9	19.0	19.0	68.9	70.6	71.3	48.5	49.5	49.9
Utica-Rome	6.2	6.3	6.3	24.0	24.4	24.1	29.0	28.9	29.2
Westchester County	24.3	25.4	25.6	107.7	111.7	111.9	55.7	55.5	56.1
North Carolina	111.1	117.9	118.4	437.7	463.0	459.8	440.9	440.8	445.1
Asheville	2.5	2.5	2.5	15.6	16.2	15.6	12.0	12.0	11.9
Charlotte-Gastonia-Rock Hill	29.2	30.6	30.6	89.0	94.2	93.9	59.2	58.5	59.1
Greensboro-Winston-Salem-High Point	20.5	21.8	21.9	72.4	74.5	74.4	53.1	54.3	54.8
Raleigh-Durham	19.7	20.8	21.0	81.8	84.8	84.4	85.7	85.0	85.5
North Dakota	12.4	12.5	12.5	58.3	60.0	60.0	64.2	64.1	64.7
Bismarck	1.7	1.7	1.7	10.0	10.3	10.2	8.0	8.2	8.2
Fargo-Moorhead	4.3	4.4	4.4	17.8	18.3	18.5	13.7	13.5	14.2
Grand Forks	1.1	1.1	1.1	6.1	6.4	6.4	9.1	9.2	9.4
Ohio	221.2	231.7	232.3	974.6	1,044.4	1,043.0	683.9	689.0	695.0
Akron	9.9	10.3	10.4	55.4	59.0	58.7	43.7	44.2	44.6
Canton	6.2	(^a)	(^a)	33.9	(^a)	(^a)	17.6	(^a)	(^a)
Cincinnati	36.0	38.2	38.3	149.7	160.0	160.1	84.0	85.5	86.2
Cleveland	49.9	52.6	52.6	220.8	233.5	233.6	116.3	117.3	118.3
Columbus	50.1	53.0	53.1	144.4	159.5	159.5	115.5	118.2	119.2
Dayton-Springfield	16.8	17.4	17.4	96.8	104.1	104.9	73.1	72.5	73.0
Toledo	10.6	11.7	11.7	62.8	67.6	67.6	41.9	42.6	43.0
Youngstown-Warren	7.4	(^a)	(^a)	41.2	(^a)	(^a)	23.8	(^a)	(^a)
Oklahoma	63.8	62.9	63.1	226.5	229.7	228.9	255.2	256.5	258.8
Enid	1.2	(^a)	(^a)	5.3	(^a)	(^a)	3.8	(^a)	(^a)
Lawton	1.6	1.5	1.5	5.2	5.2	5.2	11.3	11.0	10.9
Oklahoma City	27.4	26.2	26.0	86.3	85.8	85.2	98.6	98.1	99.0
Tulsa	16.9	16.6	16.7	69.5	70.0	70.2	34.8	35.3	35.6
Oregon	67.5	70.8	71.2	218.8	233.7	231.7	204.5	205.4	207.6
Eugene-Springfield	4.5	4.7	4.6	21.0	22.3	22.1	22.0	22.7	23.0
Portland	42.8	44.1	44.3	122.7	126.7	126.8	75.9	76.4	77.4
Salem	5.1	5.3	5.4	17.5	18.3	18.4	28.5	28.9	29.0
Pennsylvania	265.8	274.7	275.0	1,201.3	1,256.9	1,252.9	693.2	682.4	691.3
Allentown-Bethlehem	10.0	10.5	10.5	59.2	62.4	62.2	28.7	28.8	29.1
Altoona	1.5	1.5	1.5	9.9	10.1	10.1	7.1	7.0	7.1
Beaver County	1.8	1.9	1.9	11.0	11.2	11.2	7.2	7.2	7.2
Delaware Valley	123.9	125.2	124.8	488.9	499.3	500.7	226.7	222.0	224.8
Erie	5.0	5.2	5.2	25.0	26.5	26.6	13.3	13.1	13.2
Harrisburg-Lebanon-Carlisle	15.3	16.2	16.2	56.1	59.5	58.8	65.2	65.3	65.8
Johnstown	4.4	4.5	4.5	18.2	19.1	19.0	12.7	12.5	12.8
Lancaster	6.2	6.5	6.6	33.1	34.7	34.6	15.5	15.4	15.5
Philadelphia PMSA	144.2	145.8	145.8	577.0	594.7	596.3	296.8	293.5	297.0
Philadelphia City	66.9	68.6	68.0	247.2	249.3	249.5	139.0	136.0	137.6
Pittsburgh	50.7	51.9	51.9	251.3	260.9	261.3	109.1	107.8	109.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Pennsylvania-Continued									
Reading	145.1	146.8	147.6	(³)	(³)	(³)	6.2	6.7	6.5
Scranton-Wilkes-Barre	278.5	284.3	282.8	0.8	0.8	0.8	11.4	12.7	12.3
Sharon	40.7	41.0	40.7	.2	.2	.2	1.2	1.7	1.5
State College	52.1	52.8	52.5	.3	.3	.3	1.8	1.9	1.7
Williamsport	47.0	48.4	48.3	(³)	(³)	(³)	2.0	2.1	2.1
York	164.6	166.6	166.0	.4	.4	.4	8.7	9.3	8.8
Rhode Island	433.7	436.5	437.9	.1	.2	.1	15.5	16.6	16.4
Pawtucket-Woonsocket-Attleboro	130.8	131.1	131.3	.1	.1	.1	4.5	4.7	4.6
Providence	306.5	309.6	310.6	.1	.1	.1	11.3	12.2	12.0
South Carolina	1,319.6	1,360.0	1,361.2	1.7	1.7	1.7	85.7	89.6	90.1
Charleston	174.6	182.1	183.2	(¹)	(¹)	(¹)	12.8	14.0	13.9
Columbia	208.6	219.1	220.0	(¹)	(¹)	(¹)	12.5	13.8	13.9
Greenville-Spartanburg	289.4	294.2	294.9	(¹)	(¹)	(¹)	20.1	20.4	20.4
South Dakota	246.5	254.8	253.4	2.4	2.3	2.3	10.2	10.9	9.7
Rapid City	33.2	34.6	34.2	.3	.3	.3	2.1	2.0	1.9
Sioux Falls	60.0	63.8	63.7	(¹)	(¹)	(¹)	2.9	3.6	3.0
Tennessee	1,899.2	1,975.5	1,979.6	7.7	6.9	6.8	85.2	91.3	90.2
Chattanooga	182.2	180.7	180.3	1.0	1.0	1.0	6.4	7.6	7.4
Johnson City-Kingsport-Bristol	153.0	154.3	155.0	.1	.1	.1	6.3	5.8	5.8
Knoxville	230.9	237.3	235.4	2.1	1.7	1.7	11.1	12.2	12.1
Memphis	388.6	392.6	393.6	.1	.2	.1	17.8	18.7	18.5
Nashville	434.6	438.6	440.9	.7	.7	.7	25.6	29.2	29.2
Texas	6,747.3	6,685.3	6,683.7	252.6	192.5	192.2	448.1	413.7	406.7
Abilene	54.1	52.6	52.8	4.1	3.2	3.2	2.9	2.9	2.9
Amarillo	82.7	80.8	81.5	1.8	1.2	1.3	4.6	4.0	4.2
Austin	368.5	367.3	367.2	1.1	1.0	1.0	27.1	24.6	24.2
Beaumont-Port Arthur	136.0	128.6	128.5	2.5	1.2	1.2	9.7	8.5	8.5
Brazoria	59.1	57.3	57.4	1.8	1.4	1.4	6.3	5.9	5.9
Brownsville-Harlingen	64.9	65.5	66.2	.1	.1	.1	3.1	3.1	3.2
Bryan-College Station	50.5	(²)	(²)	1.3	(²)	(²)	2.8	(²)	(²)
Corpus Christi	137.2	134.4	134.5	7.5	6.1	6.0	11.4	11.4	11.4
Dallas	1,326.7	1,347.2	1,340.1	23.8	20.3	20.0	85.4	74.0	70.4
El Paso	178.0	178.4	178.5	.4	.2	.2	9.0	9.2	9.0
Ft. Worth-Arlington	510.3	510.3	510.2	4.5	3.3	3.3	33.3	32.0	31.2
Galveston-Texas City	72.5	71.8	71.6	.8	.4	.4	3.4	3.0	2.9
Houston	1,499.3	1,459.7	1,456.1	90.3	76.8	75.8	105.3	96.3	93.8
Killeen-Temple	67.6	68.0	68.1	.1	.1	.1	4.0	3.7	3.6
Laredo	34.6	(²)	(²)	1.9	(²)	(²)	1.4	(²)	(²)
Longview-Marshall	69.2	66.9	66.6	4.5	4.1	4.1	3.5	3.1	3.1
Lubbock	93.6	92.1	92.3	.6	.3	.3	4.7	3.9	3.8
McAllen-Edinburg-Mission	85.1	85.9	86.0	1.6	1.4	1.4	4.5	4.4	4.4
Midland	49.7	45.8	45.7	11.3	8.6	8.6	2.5	2.2	2.2
Odessa	52.2	45.6	45.6	8.9	6.6	6.5	3.3	2.3	2.2
San Angelo	37.7	(²)	(²)	.9	(²)	(²)	2.3	(²)	(²)
San Antonio	484.1	484.6	484.4	3.4	2.7	2.6	36.5	32.8	31.8
Sherman-Denison	37.4	(²)	(²)	.3	(²)	(²)	1.7	(²)	(²)
Texarkana	45.7	(²)	(²)	.1	(²)	(²)	2.2	(²)	(²)
Tyler	63.5	63.1	63.0	2.7	2.1	2.1	3.0	2.7	2.5
Victoria	29.7	(²)	(²)	3.2	(²)	(²)	2.2	(²)	(²)
Waco	78.9	78.8	79.1	.2	.1	.1	4.4	4.4	4.5
Wichita Falls	52.5	(²)	(²)	3.0	(²)	(²)	2.2	(²)	(²)
Utah	638.2	643.1	644.9	9.2	8.2	8.1	37.3	35.2	33.9
Provo-Orem	71.8	74.3	74.7	.1	.1	.1	3.5	3.5	3.3
Salt Lake City-Ogden	443.8	450.0	452.2	2.0	2.3	2.3	24.8	25.8	25.1
Vermont	227.6	230.1	230.2	.4	.8	.7	16.0	13.5	13.3
Burlington	70.0	69.3	69.9	(¹)	(¹)	(¹)	4.7	3.5	3.3
Springfield	13.5	13.8	13.4	(¹)	(¹)	(¹)	1.3	1.1	1.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Pennsylvania-Continued									
Reading	49.4	49.3	48.8	6.1	6.5	6.6	31.4	31.4	31.9
Scranton-Wilkes-Barre	73.0	72.8	72.7	14.8	15.3	15.4	62.3	61.4	62.1
Sharon	10.1	9.2	9.2	2.1	1.9	1.8	10.1	10.6	10.5
State College	7.5	7.4	7.5	1.3	1.3	1.3	9.7	9.6	9.5
Williamsport	14.8	15.1	14.9	1.9	1.9	1.9	10.5	11.0	11.0
York	58.8	58.1	57.7	7.0	7.3	7.2	39.1	39.2	39.6
Rhode Island									
Pawtucket-Woonsocket-Attleboro	122.3	121.9	121.5	13.9	14.3	14.4	95.4	95.5	97.2
Providence	56.8	56.5	56.5	3.6	3.6	3.6	29.9	29.7	30.1
	77.5	78.3	78.0	10.6	10.8	10.8	66.2	66.8	68.0
South Carolina									
Charleston	363.6	361.8	361.9	57.1	57.3	57.4	283.6	300.3	301.3
Columbia	19.9	20.2	20.3	9.1	9.3	9.4	42.2	42.8	43.2
Greenville-Spartanburg	27.7	27.9	28.0	9.6	9.4	9.4	45.9	47.1	47.6
	96.5	96.0	95.9	10.2	10.5	10.5	65.6	67.7	68.5
South Dakota									
Rapid City	24.7	29.5	28.8	12.8	12.7	12.6	65.0	66.2	66.2
Sioux Falls	3.6	3.9	3.9	1.8	1.8	1.7	9.3	9.8	9.7
	5.8	8.3	8.4	4.6	4.6	4.5	16.7	16.2	16.4
Tennessee									
Chattanooga	485.9	488.7	489.3	92.2	93.7	93.5	456.5	475.3	477.2
Johnson City-Kingsport-Bristol	43.9	43.1	43.1	8.1	7.9	7.9	39.2	38.8	38.4
Knoxville	51.7	51.2	51.1	5.6	5.6	5.7	33.7	33.7	34.7
Memphis	48.9	47.9	47.8	8.8	8.8	8.7	55.2	56.1	55.1
Nashville	50.7	51.2	51.5	32.8	34.3	34.6	108.1	108.1	108.3
	91.9	90.3	90.7	21.6	19.9	20.0	104.9	105.0	106.2
Texas									
Abilene	998.1	963.5	959.7	384.1	375.2	376.0	1,726.4	1,718.7	1,719.9
Amarillo	5.4	4.9	4.9	2.9	2.7	2.7	14.3	14.4	14.5
Austin	10.3	10.1	10.2	6.3	5.9	5.9	24.5	24.5	24.7
Beaumont-Port Arthur	41.8	40.2	40.1	11.0	11.5	11.5	83.3	82.3	82.5
Brazoria	26.8	25.2	25.1	10.1	9.5	9.4	33.4	31.7	31.9
Brownsville-Harlingen	16.3	15.3	15.3	2.2	1.9	2.0	11.4	11.1	11.0
Bryan-College Station	9.4	9.1	9.3	3.3	3.3	3.4	18.3	18.2	18.3
Corpus Christi	3.7	(^a)	(^a)	1.5	(^a)	(^a)	11.1	(^a)	(^a)
Dallas	13.0	12.2	12.1	7.6	7.4	7.4	34.7	34.2	34.4
El Paso	233.3	233.5	232.3	84.1	85.7	85.7	354.3	358.9	360.2
Ft. Worth-Arlington	36.0	32.9	32.5	9.4	9.4	9.6	44.1	46.0	46.2
Galveston-Texas City	115.5	115.5	115.6	27.1	28.6	29.0	138.9	136.5	137.3
Houston	10.1	9.2	9.2	5.4	5.6	5.6	13.7	13.5	13.5
Killeen-Temple	171.5	158.2	156.9	101.4	96.6	96.8	382.3	388.9	389.4
Laredo	6.6	8.6	8.5	2.9	2.8	2.8	16.5	16.4	16.5
Longview-Marshall	1.8	(^a)	(^a)	3.8	(^a)	(^a)	10.3	(^a)	(^a)
Lubbock	16.5	15.2	15.0	3.5	3.5	3.5	17.7	17.7	17.7
McAllen-Edinburg-Mission	7.5	7.4	7.1	4.8	4.4	4.4	28.1	27.8	28.3
Midland	11.7	12.3	12.2	2.6	2.6	2.6	26.1	25.6	25.7
Odessa	3.9	3.5	3.5	2.5	2.2	2.2	11.1	10.7	10.7
San Angelo	5.0	4.2	4.1	2.6	2.3	2.3	14.8	13.2	13.4
San Antonio	5.4	(^a)	(^a)	3.1	(^a)	(^a)	9.8	(^a)	(^a)
Sherman-Denison	49.6	48.0	47.2	19.0	17.9	17.9	126.1	126.5	127.2
Texarkana	11.7	(^a)	(^a)	2.0	(^a)	(^a)	8.1	(^a)	(^a)
Tyler	7.7	(^a)	(^a)	2.0	(^a)	(^a)	10.8	(^a)	(^a)
Victoria	11.6	11.1	10.9	3.1	3.0	2.9	17.5	17.8	17.8
Waco	3.2	(^a)	(^a)	1.8	(^a)	(^a)	8.3	(^a)	(^a)
Wichita Falls	16.7	15.0	15.1	3.5	3.5	3.5	19.0	19.3	19.4
	8.6	(^a)	(^a)	2.8	(^a)	(^a)	13.2	(^a)	(^a)
Utah									
Provo-Orem	93.6	91.3	91.2	37.5	37.6	37.6	152.0	154.8	157.8
Salt Lake City-Ogden	11.1	10.3	10.1	2.3	2.4	2.3	15.2	15.7	16.1
	63.4	62.1	62.1	28.6	28.4	28.4	112.0	112.5	115.0
Vermont									
Burlington	49.4	49.7	50.2	9.6	9.6	9.6	51.9	53.1	52.9
Springfield	16.3	16.5	16.6	2.8	2.8	2.8	16.4	16.6	16.7
	3.7	3.9	3.6	.6	.6	.6	2.5	2.8	2.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Pennsylvania—Continued									
Reading	7.2	8.0	8.0	27.8	28.7	28.9	17.0	16.2	16.9
Scranton-Wilkes-Barre	11.6	12.2	12.2	63.2	68.2	66.6	41.4	40.9	40.7
Sharon	1.3	1.3	1.3	10.4	10.9	10.9	5.3	5.2	5.3
State College	1.5	1.5	1.5	8.4	8.9	8.9	21.6	21.9	21.8
Williamsport	2.3	2.3	2.3	9.0	9.5	9.6	6.5	6.5	6.5
York	4.6	4.8	4.9	28.2	29.5	29.3	17.8	18.0	18.1
Rhode Island									
Pawtucket-Woonsocket-Attleboro	3.4	3.5	3.5	22.6	23.2	23.0	9.9	9.8	9.9
Providence	19.7	19.9	19.9	77.9	77.9	78.1	43.2	43.6	43.7
South Carolina									
.....	57.4	59.5	59.3	212.9	228.7	226.2	257.6	261.1	263.3
Charleston	8.0	8.3	8.2	33.3	36.3	36.4	49.2	51.1	51.7
Columbia	17.0	18.3	18.3	38.0	39.9	40.0	57.6	62.4	62.5
Greenville-Spartanburg	11.0	11.0	11.0	47.0	49.1	49.0	38.7	39.1	39.2
South Dakota									
.....	13.7	13.9	13.7	58.6	60.4	59.6	59.1	59.0	60.5
Rapid City	1.7	1.7	1.7	8.0	8.5	8.2	6.5	6.6	6.8
Sioux Falls	5.7	5.6	5.6	17.0	17.9	17.9	7.3	7.5	7.8
Tennessee									
.....	90.4	90.7	90.9	368.9	403.8	405.8	312.4	325.1	325.9
Chattanooga	10.7	11.5	11.6	42.4	39.6	39.7	30.4	31.2	31.2
Johnson City-Kingsport-Bristol	4.6	4.7	4.6	24.7	25.1	25.1	26.3	28.1	27.9
Knoxville	8.8	8.3	8.1	47.9	50.2	49.8	48.3	52.1	52.1
Memphis	22.9	23.3	23.3	88.5	88.0	88.1	67.7	68.8	69.2
Nashville	30.1	29.7	29.8	96.4	98.2	98.1	83.4	65.6	66.2
Texas									
.....	446.6	452.7	453.8	1,357.6	1,387.1	1,384.4	1,133.8	1,181.9	1,191.0
Abilene	2.8	2.8	2.8	13.5	13.6	13.6	8.2	8.1	8.2
Amarillo	4.5	4.3	4.3	16.2	16.5	16.6	14.5	14.3	14.3
Austin	25.3	25.7	25.6	83.4	85.8	85.9	95.5	96.2	96.4
Beaumont-Port Arthur	5.7	5.3	5.3	27.4	27.0	26.8	20.4	20.2	20.3
Brazoria	2.3	2.2	2.2	8.1	8.3	8.4	10.7	11.2	11.2
Brownsville-Harlingen	3.6	3.5	3.5	12.4	12.9	12.9	14.7	15.3	15.5
Bryan-College Station	2.1	(²)	(²)	7.6	(²)	(²)	20.4	(²)	(²)
Corpus Christi	6.9	6.9	6.9	28.1	28.3	28.4	28.0	27.9	27.9
Dallas	127.1	133.0	133.0	278.9	294.2	291.3	139.8	147.6	147.2
El Paso	9.0	9.5	9.6	33.9	34.1	33.9	36.2	37.1	37.5
Ft. Worth-Arlington	28.5	28.2	27.8	101.0	105.5	105.1	81.5	60.7	60.9
Galveston-Texas City	4.6	4.7	4.7	12.6	12.9	12.7	21.9	22.5	22.6
Houston	111.8	111.4	110.3	349.0	356.5	357.1	187.7	195.0	196.0
Killeen-Temple	2.9	2.9	2.8	13.0	13.5	13.7	19.6	20.0	20.1
Laredo	1.4	(²)	(²)	5.8	(²)	(²)	8.2	(²)	(²)
Longview-Marshall	3.5	3.6	3.7	11.9	11.7	11.5	8.1	8.0	8.0
Lubbock	5.5	5.4	5.3	19.8	20.4	20.6	22.6	22.5	22.5
McAllen-Edinburg-Mission	4.0	3.9	3.9	13.0	13.4	13.2	21.6	22.3	22.6
Midland	3.2	3.1	3.1	8.9	8.9	8.8	6.3	6.6	6.6
Odessa	1.9	1.8	1.8	8.3	8.1	8.1	7.4	7.1	7.2
San Angelo	2.0	(²)	(²)	7.4	(²)	(²)	6.8	(²)	(²)
San Antonio	36.7	37.1	37.3	108.8	110.8	110.3	104.0	108.8	110.1
Sherman-Denison	1.4	(²)	(²)	7.2	(²)	(²)	5.0	(²)	(²)
Texarkana	1.9	(²)	(²)	8.4	(²)	(²)	12.8	(²)	(²)
Tyler	4.0	4.0	4.0	13.0	13.7	14.0	8.6	8.7	8.8
Victoria	1.6	(²)	(²)	5.3	(²)	(²)	4.3	(²)	(²)
Waco	4.7	4.7	4.7	18.5	19.4	19.3	11.9	12.4	12.5
Wichita Falls	2.3	(²)	(²)	9.9	(²)	(²)	10.5	(²)	(²)
Utah									
.....	31.5	33.3	33.3	135.3	139.8	139.1	141.7	143.1	144.0
Provo-Orem	2.1	2.3	2.3	24.7	26.1	26.4	12.9	14.0	14.2
Salt Lake City-Ogden	26.0	27.7	27.7	93.6	95.9	95.8	93.3	95.3	95.7
Vermont									
.....	10.2	11.0	10.9	51.7	54.3	53.8	38.4	38.1	38.8
Burlington	2.9	3.0	3.0	15.7	16.0	16.0	11.2	10.9	11.5
Springfield .....	.4	.4	.4	3.2	3.2	3.0	1.8	1.8	1.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Total			Mining			Construction		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Virginia	2,507.3	2,581.3	2,593.7	17.2	16.5	16.4	157.0	169.8	168.5
Bristol	29.4	30.3	30.4	.1	.1	.1	1.5	1.6	1.6
Charlottesville	61.8	([?])	([?])	.1	([?])	([?])	3.8	([?])	([?])
Danville	39.8	([?])	([?])	.1	([?])	([?])	1.4	([?])	([?])
Lynchburg	70.0	71.1	71.7	.1	.1	.1	2.8	3.3	3.3
Norfolk-Virginia Beach-Newport News	519.8	533.1	536.4	.1	.1	.1	35.1	37.6	37.6
Northern Virginia	642.3	665.1	668.5	.6	.5	.5	45.5	48.8	48.6
Richmond-Petersburg	407.8	413.2	414.4	.3	.3	.3	24.2	24.1	24.4
Roanoke	114.7	115.5	116.2	.2	.2	.2	7.1	7.7	7.6
Washington	1,738.9	1,794.2	1,784.0	2.9	2.8	2.7	81.5	89.0	84.0
Seattle	870.4	901.0	903.5	.5	.5	.5	43.5	47.4	46.0
West Virginia	600.4	601.2	600.7	43.0	38.5	38.4	25.4	27.6	26.2
Charleston	108.4	107.7	107.7	2.5	2.1	2.1	4.7	5.2	4.9
Huntington-Ashland	101.5	101.7	101.9	1.2	1.2	1.2	4.3	4.5	4.3
Parkersburg-Marietta	58.4	58.8	58.5	1.1	.9	.9	3.0	3.1	2.9
Wheeling	58.7	56.3	56.3	2.6	2.4	2.4	2.1	2.0	1.9
Wisconsin	2,009.3	2,046.0	2,049.5	2.4	2.9	2.7	67.5	71.1	68.7
Appleton-Oshkosh-Neenah	138.9	141.3	140.7	([!])	([!])	([!])	6.1	5.9	5.7
Eau Claire	52.0	55.5	55.5	([!])	([!])	([!])	1.9	2.1	1.8
Green Bay	89.0	90.5	91.3	([!])	([!])	([!])	3.7	3.5	3.6
Janesville-Beloit	53.3	49.7	53.2	([!])	([!])	([!])	1.6	1.5	1.6
Kenosha	38.8	38.1	38.2	([!])	([!])	([!])	1.5	1.3	1.3
La Crosse	49.4	49.7	50.0	([!])	([!])	([!])	1.2	1.3	1.1
Madison	193.8	194.9	195.3	([!])	([!])	([!])	6.6	6.0	5.7
Milwaukee	669.9	681.0	684.2	([!])	([!])	([!])	20.0	21.1	20.7
Racine	67.0	67.6	67.8	([!])	([!])	([!])	1.8	2.0	2.2
Sheboygan	44.1	46.1	46.1	([!])	([!])	([!])	1.3	1.5	1.6
Wausau	42.7	43.4	43.5	([!])	([!])	([!])	1.6	1.7	1.7
Wyoming	203.7	198.0	194.3	26.5	21.1	20.9	13.0	14.7	12.4
Puerto Rico	694.3	710.3	714.8	.6	.7	.7	23.3	29.5	28.7
Caguas	43.3	43.6	44.1	([!])	([!])	([!])	([!])	([!])	([!])
Mayaguez	50.4	50.4	50.8	([!])	([!])	([!])	([!])	([!])	([!])
Ponce	42.9	44.4	44.3	([!])	([!])	([!])	2.0	2.9	2.7
San Juan	429.0	436.9	439.9	.3	.3	.4	18.0	23.2	22.4
Virgin Islands	36.1	36.2	37.1	([!])	([!])	([!])	2.5	2.6	2.7

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Manufacturing			Transportation and public utilities			Wholesale and retail trade		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Virginia	425.6	431.6	432.2	132.9	135.4	136.5	569.5	586.3	597.2
Bristol	9.4	9.8	9.8	1.1	1.1	1.1	7.3	7.5	7.6
Charlottesville	9.5	(²)	(²)	1.8	(²)	(²)	12.6	(²)	(²)
Danville	16.4	(²)	(²)	.9	(²)	(²)	8.8	(²)	(²)
Lynchburg	24.8	24.5	24.8	3.0	3.0	3.0	13.6	13.8	14.1
Norfolk-Virginia Beach-Newport News	68.0	67.6	67.6	25.2	24.1	24.5	126.7	131.5	134.5
Northern Virginia	32.5	32.8	32.8	43.2	45.5	45.9	150.6	155.0	157.6
Richmond-Petersburg	62.0	61.7	61.5	21.4	21.5	21.3	98.3	98.4	100.7
Roanoke	20.7	20.6	20.6	9.8	9.4	9.5	29.7	30.3	30.8
Washington	297.1	302.9	298.2	95.2	96.2	95.7	433.8	444.4	446.8
Seattle	167.0	173.8	174.4	56.9	58.5	58.3	218.8	226.6	226.3
West Virginia	88.2	87.8	87.5	37.4	36.5	36.4	135.7	135.3	136.0
Charleston	13.3	12.4	12.4	8.7	8.5	8.4	28.1	27.8	28.0
Huntington-Ashland	19.7	19.3	19.2	7.9	7.6	7.6	26.5	26.9	27.1
Parkersburg-Marietta	14.6	14.2	14.1	2.0	1.9	2.0	13.9	14.2	14.1
Wheeling	8.1	6.9	6.8	3.2	3.2	3.2	15.2	15.0	15.1
Wisconsin	516.3	517.3	519.3	95.2	97.4	97.0	472.0	480.7	483.2
Appleton-Oshkosh-Neenah	49.4	49.9	49.1	4.9	5.0	4.9	30.2	30.7	31.0
Eau Claire	9.6	10.1	10.1	2.7	2.6	2.7	14.9	16.5	16.9
Green Bay	23.8	24.1	24.0	6.3	6.3	6.3	23.1	22.7	23.1
Janesville-Beloit	18.3	14.1	17.4	2.0	1.8	2.0	13.0	13.1	13.1
Kenosha	12.2	11.4	11.4	1.2	1.2	1.2	8.3	8.5	8.5
La Crosse	10.9	10.6	10.5	2.4	2.4	2.3	13.1	12.9	12.9
Madison	21.1	21.7	21.7	6.6	6.8	6.8	43.0	43.5	44.4
Milwaukee	171.8	170.9	171.3	35.9	36.1	36.1	151.8	155.4	156.9
Racine	24.2	23.3	23.1	2.2	2.2	2.2	15.4	15.9	15.9
Sheboygan	18.0	18.5	18.4	1.4	1.5	1.5	8.3	8.5	8.5
Wausau	11.0	11.2	11.2	2.5	2.5	2.5	10.5	11.0	11.0
Wyoming	8.0	8.6	8.5	15.4	14.3	14.2	45.3	43.0	42.5
Puerto Rico	150.9	149.7	150.3	14.1	14.1	14.3	122.4	123.0	124.5
Caguas	14.9	15.1	15.3	(¹)	(¹)	(¹)	8.2	8.2	8.6
Mayaguez	20.6	20.9	21.1	(¹)	(¹)	(¹)	6.3	6.3	6.4
Ponce	8.7	8.5	8.3	(¹)	(¹)	(¹)	6.5	6.6	6.8
San Juan	67.0	65.4	66.0	11.1	10.6	10.7	84.2	84.3	85.2
Virgin Islands	1.9	1.7	1.7	2.2	2.4	2.4	8.1	7.8	8.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT
NOT SEASONALLY ADJUSTED**

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

(In thousands)

State and area	Finance, insurance, and real estate			Services			Government		
	Nov. 1985	Oct. 1986	Nov. 1986 ^p	Nov. 1985	Oct. 1986	Nov. 1986 ^p	Nov. 1985	Oct. 1986	Nov. 1986 ^p
Virginia	124.7	131.5	132.3	548.7	573.7	571.0	531.6	536.4	539.7
Bristol .....	.9	.9	.9	4.0	4.2	4.1	5.2	5.1	5.2
Charlottesville	3.1	(¹)	(²)	10.3	(²)	(²)	20.5	(²)	(²)
Danville	1.1	(²)	(²)	5.6	(²)	(²)	5.5	(²)	(²)
Lynchburg	3.5	3.6	3.6	12.6	13.0	13.0	9.6	9.8	9.8
Norfolk-Virginia Beach-Newport News	22.8	23.3	23.6	116.9	124.5	123.2	125.0	124.5	125.3
Northern Virginia	38.5	41.3	41.7	189.9	195.7	195.8	141.5	145.4	145.7
Richmond-Petersburg	32.6	35.0	35.0	79.7	82.9	81.7	89.2	89.2	89.5
Roanoke	6.9	7.0	6.9	26.0	26.4	26.3	14.4	14.0	14.3
Washington	100.6	105.5	104.3	376.7	398.4	395.5	351.1	355.0	356.8
Seattle	63.6	65.9	65.7	193.1	201.6	201.5	127.0	129.7	130.8
West Virginia	23.7	24.1	24.1	117.8	121.3	121.3	129.2	130.1	130.8
Charleston	5.9	6.0	6.0	23.5	24.2	24.3	21.7	21.5	21.6
Huntington-Ashland	3.8	3.9	3.9	18.4	19.0	19.0	19.7	19.4	19.6
Parkersburg-Marietta	2.0	2.1	2.1	12.3	12.7	12.8	9.5	9.7	9.6
Wheeling	3.0	2.8	2.8	15.2	14.8	14.9	9.3	9.2	9.2
Wisconsin	104.9	109.5	109.6	417.7	433.8	431.3	333.4	333.5	337.8
Appleton-Oshkosh-Neenah	6.9	7.2	7.2	24.5	26.3	26.1	16.6	16.3	16.6
Eau Claire	1.9	2.0	2.0	10.4	11.5	11.4	10.6	10.6	10.6
Green Bay	3.0	3.2	3.2	18.8	20.3	20.5	10.3	10.3	10.5
Janesville-Beloit	1.6	1.7	1.7	9.9	10.5	10.4	6.7	6.9	7.0
Kenosha	1.0	1.1	1.1	8.0	8.0	8.0	6.6	6.5	6.6
La Crosse	1.3	1.4	1.5	12.8	13.9	14.0	7.7	7.2	7.6
Madison	15.9	16.8	17.0	40.6	41.2	41.1	59.7	58.5	58.4
Milwaukee	44.6	46.0	46.5	165.2	170.5	170.1	80.2	80.5	82.1
Racine	2.3	2.3	2.3	13.1	13.7	13.9	8.0	8.2	8.2
Sheboygan	2.0	2.0	2.0	7.6	8.4	8.3	5.5	5.7	5.7
Wausau	3.3	3.3	3.4	7.5	7.7	7.7	6.2	5.9	6.1
Wyoming	8.0	7.8	7.8	33.2	33.8	32.6	54.3	54.8	55.3
Puerto Rico	30.8	31.6	31.9	94.7	98.0	99.8	257.4	263.8	264.6
Caguas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15.0	15.2	15.2
Mayaguez	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	15.5	15.5	15.5
Ponce	(¹)	(¹)	(¹)	7.4	7.7	7.7	15.0	15.2	15.2
San Juan	24.8	25.6	25.7	69.6	71.4	72.8	154.0	156.0	156.7
Virgin Islands	1.7	1.7	1.8	6.6	7.1	7.6	13.1	12.9	12.8

¹ Not available.

² Publication of data has been suspended because of budget cuts.

³ Combined with construction.

^p = preliminary.

NOTE: Area definitions are published annually in the May issue of this publication. All State and area data have been adjusted to March 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date

Year and month	Total private ¹			Mining			Construction		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	38.7	\$2.36	\$91.33	41.9	\$2.81	\$117.74	37.2	\$3.55	\$132.06
1965	38.8	2.46	95.45	42.3	2.92	123.52	37.4	3.70	138.38
1966	38.6	2.56	98.82	42.7	3.05	130.24	37.6	3.89	146.26
1967	38.0	2.68	101.84	42.6	3.19	135.89	37.7	4.11	154.95
1968	37.8	2.85	107.73	42.6	3.35	142.71	37.3	4.41	164.49
1969	37.7	3.04	114.61	43.0	3.60	154.80	37.9	4.79	181.54
1970	37.1	3.23	119.83	42.7	3.85	164.40	37.3	5.24	195.45
1971	36.9	3.45	127.31	42.4	4.06	172.14	37.2	5.69	211.67
1972	37.0	3.70	136.90	42.6	4.44	189.14	36.5	6.06	221.19
1973	36.9	3.94	145.39	42.4	4.75	201.40	36.8	6.41	235.89
1974	36.5	4.24	154.76	41.9	5.23	219.14	36.6	6.81	249.25
1975	36.1	4.53	163.53	41.9	5.95	249.31	36.4	7.31	266.08
1976	36.1	4.86	175.45	42.4	6.46	273.90	36.8	7.71	283.73
1977	36.0	5.25	189.00	43.4	6.94	301.20	36.5	8.10	295.65
1978	35.8	5.69	203.70	43.4	7.67	332.88	36.8	8.66	318.69
1979	35.7	6.16	219.91	43.0	8.49	365.07	37.0	9.27	342.99
1980	35.3	6.66	235.10	43.3	9.17	397.06	37.0	9.94	367.78
1981	35.2	7.25	255.20	43.7	10.04	438.75	36.9	10.82	399.26
1982	34.8	7.68	267.26	42.7	10.77	459.88	36.7	11.63	426.82
1983	35.0	8.02	280.70	42.5	11.28	479.40	37.1	11.94	442.97
1984	35.2	8.32	292.86	43.3	11.63	503.58	37.8	12.13	458.51
1985	34.9	8.57	299.09	43.4	11.98	519.93	37.7	12.31	464.09
1986 ^p	34.8	8.76	304.85	42.3	12.45	526.64	37.5	12.42	465.75
Monthly data, not seasonally adjusted									
1985:									
December	35.2	\$8.71	\$306.59	43.8	\$12.27	\$537.43	36.9	\$12.47	\$460.14
1986:									
January	34.7	8.72	302.58	44.4	12.24	543.46	37.2	12.34	459.05
February	34.4	8.74	300.66	42.4	12.32	522.37	35.2	12.35	434.72
March	34.7	8.73	302.93	42.3	12.35	522.41	36.4	12.22	444.81
April	34.6	8.72	301.71	42.0	12.43	522.06	37.6	12.29	462.10
May	34.7	8.72	302.58	41.8	12.44	519.99	37.9	12.33	467.31
June	34.9	8.71	303.98	42.0	12.50	525.00	37.8	12.31	465.32
July	35.0	8.69	304.15	41.6	12.46	518.34	38.3	12.31	471.47
August	35.1	8.70	305.37	42.3	12.51	529.17	38.4	12.39	475.78
September	34.8	8.81	306.59	42.3	12.52	529.60	38.5	12.54	482.79
October	34.7	8.81	305.71	42.2	12.51	527.92	38.0	12.62	479.56
November ^p	34.7	8.86	307.44	41.7	12.57	524.17	36.6	12.59	460.79
December ^p	34.9	8.85	308.87	42.2	12.64	533.41	37.0	12.71	470.27

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date—Continued

Year and month	Manufacturing				Transportation and public utilities			Wholesale trade		
	Weekly hours	Hourly earnings	Hourly earnings, excluding overtime	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages										
1964	40.7	\$2.53	\$2.43	\$102.97	41.1	\$2.89	\$118.78	40.7	\$2.52	\$102.56
1965	41.2	2.61	2.50	107.53	41.3	3.03	125.14	40.8	2.61	106.49
1966	41.4	2.71	2.59	112.19	41.2	3.11	128.13	40.7	2.73	111.11
1967	40.6	2.82	2.71	114.49	40.5	3.23	130.82	40.3	2.88	116.06
1968	40.7	3.01	2.88	122.51	40.6	3.42	138.85	40.1	3.05	122.31
1969	40.6	3.19	3.05	129.51	40.7	3.63	147.74	40.2	3.23	129.85
1970	39.8	3.35	3.23	133.33	40.5	3.85	155.93	39.9	3.44	137.26
1971	39.9	3.57	3.45	142.44	40.1	4.21	168.82	39.5	3.65	144.18
1972	40.5	3.82	3.66	154.71	40.4	4.65	187.86	39.4	3.85	151.69
1973	40.7	4.09	3.91	166.46	40.5	5.02	203.31	39.3	4.08	160.34
1974	40.0	4.42	4.25	176.80	40.2	5.41	217.48	38.8	4.39	170.33
1975	39.5	4.83	4.67	190.79	39.7	5.88	233.44	38.7	4.73	183.05
1976	40.1	5.22	5.02	209.32	39.8	6.45	256.71	38.7	5.03	194.66
1977	40.3	5.68	5.44	228.90	39.9	6.99	278.90	38.8	5.39	209.13
1978	40.4	6.17	5.91	249.27	40.0	7.57	302.80	38.8	5.88	228.14
1979	40.2	6.70	6.43	269.34	39.9	8.16	325.58	38.8	6.39	247.93
1980	39.7	7.27	7.02	288.62	39.6	8.87	351.25	38.5	6.96	267.96
1981	39.8	7.99	7.72	318.00	39.4	9.70	382.18	38.5	7.56	291.06
1982	38.9	8.49	8.25	330.26	39.0	10.32	402.48	38.3	8.09	309.85
1983	40.1	8.83	8.52	354.08	39.0	10.79	420.81	38.5	8.55	329.18
1984	40.7	9.19	8.82	374.03	39.4	11.12	438.13	38.5	8.89	342.27
1985	40.5	9.53	9.16	385.97	39.5	11.40	450.30	38.4	9.16	351.74
1986 ^a	40.7	9.73	9.33	396.01	39.2	11.64	456.29	38.4	9.36	359.42
Monthly data, not seasonally adjusted										
1985:										
December	41.7	\$9.74	\$9.31	\$406.16	39.7	\$11.61	\$460.92	38.6	\$9.33	\$360.14
1986:										
January	40.7	9.70	9.31	394.79	39.0	11.59	452.01	38.3	9.28	355.42
February	40.3	9.70	9.33	390.91	39.2	11.64	456.29	38.0	9.36	355.68
March	40.7	9.72	9.33	395.60	39.4	11.62	457.83	38.3	9.33	357.34
April	40.5	9.70	9.33	392.85	39.0	11.55	450.45	38.3	9.29	355.81
May	40.6	9.71	9.34	394.23	39.0	11.54	450.06	38.4	9.29	356.74
June	40.8	9.70	9.32	395.76	39.4	11.57	455.86	38.5	9.32	358.82
July	40.2	9.74	9.35	391.55	39.4	11.61	457.43	38.5	9.30	358.05
August	40.7	9.68	9.27	393.98	39.4	11.61	457.43	38.5	9.32	358.82
September	41.0	9.73	9.31	398.93	39.1	11.70	457.47	38.3	9.37	358.87
October	40.8	9.72	9.31	396.58	39.1	11.68	456.69	38.4	9.35	359.04
November ^a	41.0	9.77	9.36	400.57	39.3	11.77	462.56	38.4	9.54	366.34
December ^a	41.7	9.86	9.42	411.16	39.2	11.76	460.99	38.4	9.54	366.34

See footnotes at end of table.

**ESTABLISHMENT DATA
HISTORICAL HOURS AND EARNINGS**

C-1. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, 1964 to date—Continued

Year and month	Retail trade			Finance, insurance, and real estate			Services		
	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings
Annual averages									
1964	37.0	\$1.75	\$64.75	37.3	\$2.30	\$85.79	36.1	\$1.94	\$70.03
1965	36.6	1.82	66.61	37.2	2.39	88.91	35.9	2.05	73.60
1966	35.9	1.91	68.57	37.3	2.47	92.13	35.5	2.17	77.04
1967	35.3	2.01	70.95	37.1	2.58	95.72	35.1	2.29	80.38
1968	34.7	2.16	74.95	37.0	2.75	101.75	34.7	2.42	83.97
1969	34.2	2.30	78.66	37.1	2.93	108.70	34.7	2.61	90.57
1970	33.8	2.44	82.47	36.7	3.07	112.67	34.4	2.81	96.66
1971	33.7	2.60	87.62	36.6	3.22	117.85	33.9	3.04	103.06
1972	33.4	2.75	91.85	36.6	3.36	122.98	33.9	3.27	110.85
1973	33.1	2.91	96.32	36.6	3.53	129.20	33.8	3.47	117.29
1974	32.7	3.14	102.68	36.5	3.77	137.61	33.6	3.75	126.00
1975	32.4	3.36	108.86	36.5	4.06	148.19	33.5	4.02	134.67
1976	32.1	3.57	114.60	36.4	4.27	155.43	33.3	4.31	143.52
1977	31.6	3.85	121.66	36.4	4.54	165.26	33.0	4.65	153.45
1978	31.0	4.20	130.20	36.4	4.89	178.00	32.8	4.99	163.67
1979	30.6	4.53	138.62	36.2	5.27	190.77	32.7	5.36	175.27
1980	30.2	4.88	147.38	36.2	5.79	209.60	32.6	5.85	190.71
1981	30.1	5.25	158.03	36.3	6.31	229.05	32.6	6.41	208.97
1982	29.9	5.48	163.85	36.2	6.78	245.44	32.6	6.92	225.59
1983	29.8	5.74	171.05	36.2	7.29	263.90	32.7	7.31	239.04
1984	29.8	5.85	174.33	36.5	7.63	278.50	32.6	7.59	247.43
1985	29.4	5.94	174.64	36.4	7.94	289.02	32.5	7.89	256.43
1986 ^p	29.2	6.02	175.78	36.5	8.35	304.78	32.5	8.16	265.20
Monthly data, not seasonally adjusted									
1985:									
December	29.8	\$5.99	\$178.50	36.7	\$8.15	\$299.11	32.5	\$8.12	\$263.90
1986:									
January	28.7	6.03	173.06	36.4	8.14	296.30	32.4	8.12	263.09
February	28.6	6.04	172.74	36.8	8.28	304.70	32.4	8.17	264.71
March	28.9	6.03	174.27	36.7	8.30	304.61	32.4	8.18	265.03
April	28.9	6.01	173.69	36.4	8.29	301.76	32.4	8.12	263.09
May	29.1	6.00	174.60	36.3	8.31	301.65	32.4	8.10	262.44
June	29.5	5.99	176.71	36.6	8.37	306.34	32.6	8.10	264.06
July	29.9	5.97	178.50	36.5	8.30	302.95	32.8	8.04	263.71
August	29.9	5.97	178.50	36.6	8.33	304.88	32.8	8.05	264.04
September	29.2	6.05	176.66	36.4	8.37	304.67	32.3	8.19	264.54
October	29.0	6.04	175.16	36.6	8.38	306.71	32.4	8.22	266.33
November ^p	29.0	6.06	175.74	36.8	8.56	315.01	32.4	8.32	269.57
December ^p	29.4	6.02	176.99	36.5	8.52	310.98	32.4	8.31	269.24

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

^p = preliminary.
NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Total private		34.8	35.2	34.7	34.7	34.9					
Mining		43.2	43.8	42.2	41.7	42.2					
Metal mining	10	40.9	41.7	41.2	41.0						
Iron ores	101	39.3	40.6	39.8	40.3						
Copper ores	102	41.7	41.8	41.8	41.9						
Coal mining	11,12	40.1	41.7	41.0	39.7						
Bituminous coal and lignite mining	12	40.1	41.8	41.0	39.7						
Oil and gas extraction	13	44.4	44.7	41.9	42.0						
Crude petroleum, natural gas, and natural gas liquids	131,2	42.1	43.5	41.4	42.1						
Oil and gas field services	138	45.5	45.3	42.3	41.9						
Nonmetallic minerals, except fuels	14	44.3	43.6	45.5	44.3						
Crushed and broken stone	142	45.2	44.7	46.3	45.2						
Construction		36.7	36.9	38.0	36.6	37.0					
General building contractors	15	36.5	36.8	37.5	36.6						
Residential building construction	152	35.7	36.1	36.8	36.0						
Operative builders	153	40.0	40.1	37.8	37.5						
Nonresidential building construction	154	37.0	37.2	38.1	37.2						
Heavy construction contractors	16	39.8	38.9	41.7	38.7						
Highway and street construction	161	38.4	36.8	43.0	37.5						
Heavy construction, except highway	162	40.5	39.9	40.8	39.5						
Special trade contractors	17	35.9	36.5	37.1	35.9						
Plumbing, heating, and air conditioning	171	37.4	38.4	38.5	37.8						
Painting, paper hanging, and decorating	172	33.7	34.2	35.6	34.2						
Electrical work	173	38.6	39.5	39.1	38.7						
Masonry, stonework, and plastering	174	34.2	34.7	35.3	33.5						
Carpentering and flooring	175	34.5	35.0	35.2	35.2						
Roofing and sheet metal work	176	31.7	32.0	34.1	31.8						
Manufacturing		40.9	41.7	40.8	41.0	41.7	3.5	3.8	3.5	3.6	3.9
Durable goods		41.5	42.5	41.3	41.6	42.4	3.7	4.1	3.6	3.7	4.1
Lumber and wood products	24	39.5	40.2	40.5	40.3	40.5	3.1	3.3	3.6	3.6	
Logging camps and logging contractors	241	37.6	38.8	40.0	38.8		3.2	2.8	4.5	3.7	
Sawmills and planing mills	242	40.3	41.2	41.4	41.4		3.6	3.9	4.3	4.5	
Sawmills and planing mills, general	2421	40.4	41.3	41.5	41.5		3.8	4.0	4.6	4.7	
Hardwood dimension and flooring	2426	40.0	41.4	41.3	40.9		3.1	3.5	3.4	3.7	
Millwork, plywood, and structural members	243	40.1	40.8	40.6	40.8		3.1	3.5	3.3	3.5	
Millwork	2431	40.7	40.7	40.9	40.4		2.7	2.9	2.8	2.6	
Wood kitchen cabinets	2434	39.0	40.5	39.9	40.7		3.0	3.6	3.1	3.7	
Hardwood veneer and plywood	2435	39.3	40.9	40.5	40.0		2.6	3.3	3.4	3.2	
Softwood veneer and plywood	2436	41.2	42.0	41.8	42.9		4.5	4.7	4.5	5.3	
Wood containers	244	38.4	38.6	38.8	38.5		2.2	2.5	2.6	2.6	
Wood buildings and mobile homes	245	37.7	37.2	39.5	38.2		2.1	2.2	2.9	2.1	
Mobile homes	2451	37.9	37.6	39.6	37.9		2.1	2.1	2.8	1.7	
Miscellaneous wood products	249	39.9	40.7	40.1	40.3		3.1	3.3	3.2	3.2	
Furniture and fixtures	25	39.8	41.1	40.4	40.1	41.0	2.6	3.1	3.0	2.7	
Household furniture	251	39.0	40.3	39.9	39.7		2.2	2.8	2.8	2.5	
Wood household furniture	2511	39.6	40.4	40.5	40.7		2.6	2.9	3.1	3.0	
Upholstered household furniture	2512	38.6	40.7	39.8	39.1		1.8	3.2	2.6	2.3	
Metal household furniture	2514	38.8	40.4	39.1	39.3		1.9	2.7	2.1	1.9	
Mattresses and bedsprings	2515	38.1	38.8	38.6	37.4		1.8	2.1	2.5	1.9	
Office furniture	252	40.9	42.6	40.9	40.9		2.8	3.7	3.0	2.6	
Public building and related furniture	253	40.7	41.9	40.5	40.7		3.2	4.3	3.1	3.3	
Partitions and fixtures	254	41.2	41.8	41.8	41.2		3.5	3.5	3.7	3.3	
Miscellaneous furniture and fixtures	259	41.6	43.2	40.4	40.0		3.5	3.5	3.1	2.4	
Stone, clay, and glass products	32	41.8	41.7	42.7	41.9	42.1	4.7	4.4	5.1	4.7	
Flat glass	321	47.1	44.9	44.9	45.0		7.5	6.3	6.0	6.4	
Glass and glassware, pressed or blown	322	41.2	41.9	42.0	41.8		4.5	4.4	4.7	4.8	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ²	Dec. 1986 ²	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ²	Dec. 1986 ²
Nondurable goods—Continued											
Printing and publishing	27	38.2	38.8	38.1	38.3	38.7	3.0	3.3	3.2	3.2	
Newspapers	271	34.6	35.0	33.7	34.3	-	1.9	2.1	1.9	1.9	
Periodicals	272	38.7	39.0	38.8	38.7		3.3	3.6	3.9	3.5	
Books	273	38.9	40.1	39.6	39.2		2.9	3.6	3.5	3.2	
Book publishing	2731	37.2	38.3	38.3	38.6		2.2	2.9	2.3	2.5	
Book printing	2732	41.2	42.7	41.5	40.0		3.8	4.6	5.4	4.3	
Miscellaneous publishing	274	36.7	36.7	36.2	36.3		2.4	2.4	2.2	2.3	
Commercial printing	275	39.4	39.9	39.9	40.0		3.5	3.7	3.8	3.9	
Commercial printing, letterpress	2751	38.9	39.5	39.4	39.6		2.9	3.1	3.2	3.4	
Commercial printing, lithographic	2752	39.3	39.9	40.0	40.0		3.6	3.8	4.0	3.9	
Manifold business forms	276	41.9	43.7	40.7	41.8		4.3	5.5	3.1	4.0	
Blankbooks and bookbinding	278	38.6	40.4	38.0	37.9		2.5	2.8	2.2	2.5	
Printing trade services	279	39.1	38.9	38.3	38.5		3.4	3.0	3.7	3.6	
Chemicals and allied products	28	42.0	42.5	41.9	42.7	43.0	3.4	3.6	3.7	3.9	
Industrial inorganic chemicals	281	41.7	41.9	42.5	43.3	-	3.2	3.3	3.8	3.9	
Industrial inorganic chemicals, nec	2819	41.7	42.3	42.9	43.9		3.0	3.3	3.8	4.0	
Plastics materials and synthetics	282	42.5	42.5	41.9	42.8		3.7	3.6	3.8	4.0	
Plastics materials and resins	2821	43.8	43.9	42.9	44.0		4.8	4.7	4.7	4.7	
Organic fibers, noncellulosic	2824	42.0	42.0	41.1	42.1		2.8	2.7	3.1	3.5	
Drugs	283	41.3	42.0	41.6	42.9		2.9	3.2	2.9	2.9	
Pharmaceutical preparations	2834	41.0	41.8	41.3	42.2		2.9	3.2	3.0	3.0	
Soap, cleaners, and toilet goods	284	40.8	42.3	40.6	41.2		2.6	3.3	3.1	3.3	
Soap and other detergents	2841	44.1	45.6	42.9	43.9		4.5	5.2	4.8	5.1	
Toilet preparations	2844	38.5	40.3	39.2	39.6		1.8	2.6	2.4	2.7	
Polishing, sanitation, and finishing preparations	2842,3	41.2	42.4	40.7	41.1		2.0	2.4	2.6	2.5	
Paints and allied products	285	40.7	41.3	41.5	41.3		2.8	2.9	3.3	2.8	
Industrial organic chemicals	286	43.8	43.8	43.3	43.9		4.4	4.5	5.0	5.6	
Cyclic crudes and intermediates	2865	43.8	44.5	42.8	43.8		5.0	5.4	4.8	4.9	
Gum, wood, and industrial organic chemicals, nec	2861,9	43.8	43.6	43.4	44.0		4.2	4.2	5.0	5.8	
Agricultural chemicals	287	42.5	42.9	41.8	42.1		4.1	3.9	4.5	4.1	
Miscellaneous chemical products	289	42.5	42.6	41.8	43.0		3.7	3.7	3.7	4.2	
Petroleum and coal products	29	43.4	43.7	43.8	43.8	43.9	4.4	4.5	4.9	4.8	
Petroleum refining	291	44.0	44.3	43.6	44.1	-	4.2	4.4	4.3	4.3	
Paving and roofing materials	295	42.7	42.8	45.7	43.3		6.1	5.6	7.6	6.9	
Rubber and misc. plastics products	30	41.3	42.0	41.4	41.7	42.2	3.7	3.9	3.9	3.9	
Tires and inner tubes	301	41.6	42.9	43.5	43.7	-	4.2	4.3	5.2	5.5	
Rubber and plastics footwear	302	39.2	39.9	40.0	40.0		1.2	1.6	2.5	2.7	
Reclaimed rubber, and rubber and plastics hose and belting	303,4	42.7	43.5	42.0	41.8		3.5	4.0	3.9	3.4	
Fabricated rubber products, nec	306	41.8	42.3	41.3	41.4		3.3	3.5	3.5	3.4	
Miscellaneous plastics products	307	41.1	41.8	41.2	41.5		3.8	4.0	3.8	3.9	
Leather and leather products	31	37.6	37.9	36.8	37.1	37.9	1.9	1.6	1.8	2.0	
Leather tanning and finishing	311	41.2	41.3	39.9	41.1	-	3.4	3.7	2.8	3.2	
Footwear, except rubber	314	36.9	37.5	35.9	36.2		1.6	1.4	1.5	1.6	
Men's footwear, except athletic	3143	35.8	36.8	35.6	35.3		1.1	1.2	1.3	1.3	
Women's footwear, except athletic	3144	37.9	37.9	36.3	37.1		2.0	1.7	1.7	2.0	
Luggage	316	40.2	39.6	38.1	38.7		2.7	2.0	1.2	1.2	
Handbags and personal leather goods	317	37.8	36.9	37.6	38.0		2.4	1.4	2.9	3.3	
Transportation and public utilities		39.5	39.7	39.1	39.3	39.2					
Railroad transportation: Class I railroads ³	4011	43.5	44.3	43.7	44.3						
Local and interurban passenger transit	41	33.4	34.3	33.8	33.2						
Local and suburban transportation	411	38.4	38.9	37.8	37.8						
Intercity highway transportation	413	38.4	39.0	41.1	41.3						
Trucking and warehousing	42	38.2	38.9	38.5	38.4						
Trucking and trucking terminals	421,3	38.1	38.9	38.4	38.4						
Public warehousing	422	39.6	39.2	39.7	39.4						
Pipe lines, except natural gas	46	42.2	41.9	41.2	41.4						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Transportation and public utilities—Continued											
Communication	48	40.9	40.3	39.9	40.4						
Telephone communication	481	42.4	41.5	41.4	42.0						
Radio and television broadcasting	483	36.9	36.8	36.7	36.9						
Electric, gas, and sanitary services	49	42.3	41.9	41.8	42.1						
Electric services	491	42.4	42.0	41.9	42.1						
Gas production and distribution	492	41.3	41.1	41.8	41.9						
Combination utility services	493	42.8	42.6	41.8	42.5						
Sanitary services	495	43.1	42.6	42.0	42.4						
Wholesale trade		38.5	38.6	38.4	38.4	38.4					
Durable goods	50	38.9	39.1	38.8	38.7						
Motor vehicles and automotive equipment	501	38.3	38.5	37.9	37.8						
Furniture and home furnishings	502	37.0	37.0	36.7	37.2						
Lumber and construction materials	503	39.3	39.3	39.9	39.6						
Sporting goods, toys, and hobby goods	504	36.9	37.6	36.5	36.6						
Metals and minerals, except petroleum	505	40.1	40.4	40.5	40.6						
Electrical goods	506	38.8	39.0	38.9	38.8						
Hardware, plumbing, and heating equipment	507	38.7	38.7	38.5	38.4						
Machinery, equipment, and supplies	508	39.4	39.7	39.2	39.2						
Miscellaneous durable goods	509	37.8	38.0	37.5	37.7						
Nondurable goods	51	37.8	38.0	37.9	37.9						
Paper and paper products	511	38.3	38.2	37.6	37.4						
Drugs, proprietaries, and sundries	512	37.5	37.9	37.7	37.1						
Apparel, piece goods, and notions	513	36.4	36.3	36.5	36.9						
Groceries and related products	514	38.0	38.6	38.1	38.5						
Chemicals and allied products	516	39.4	39.1	40.3	40.1						
Petroleum and petroleum products	517	39.4	39.4	38.8	39.0						
Beer, wine, and distilled beverages	518	36.3	36.3	36.4	36.4						
Miscellaneous nondurable goods	519	37.2	37.4	37.6	37.1						
Retail trade		29.1	29.8	29.0	29.0	29.4					
Building materials and garden supplies	52	36.2	36.2	36.6	36.3						
Lumber and other building materials	521	38.2	37.8	38.6	38.4						
Hardware stores	525	33.0	33.3	32.5	32.6						
General merchandise stores	53	28.2	30.2	28.0	28.0						
Department stores	531	28.1	30.0	27.8	27.8						
Variety stores	533	29.4	31.4	29.0	29.3						
Misc. general merchandise stores	539	29.1	31.0	29.2	29.2						
Food stores	54	29.9	30.0	29.7	29.7						
Grocery stores	541	30.2	30.2	30.0	30.0						
Retail bakeries	546	28.9	29.2	27.9	27.5						
Automotive dealers and service stations	55	36.7	36.8	36.6	36.5						
New and used car dealers	551,2	37.6	37.8	37.6	37.4						
Auto and home supply stores	553	40.0	39.8	39.4	39.4						
Gasoline service stations	554	34.1	34.3	34.0	33.9						
Apparel and accessory stores	56	26.8	28.3	26.5	26.6						
Men's and boys' clothing and furnishings	561	29.0	30.8	29.7	28.6						
Women's ready-to-wear stores	562	25.6	27.0	25.3	25.3						
Family clothing stores	565	27.4	28.9	26.7	27.1						
Shoe stores	566	26.9	28.7	27.3	27.4						
Furniture and home furnishings stores	57	33.4	33.7	33.2	33.2						
Furniture and home furnishings stores	571	33.4	33.7	33.0	33.1						
Household appliance stores	572	34.8	35.2	34.5	34.2						
Radio, television, and music stores	573	33.0	33.3	33.2	33.2						
Eating and drinking places ⁴	58	25.4	25.5	25.5	25.6						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average weekly hours					Average overtime hours				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Retail trade—Continued											
Miscellaneous retail	59	30.3	31.8	30.1	30.1						
Drug stores and proprietary stores	591	28.5	29.0	28.3	28.1						
Miscellaneous shopping goods stores	594	28.5	30.8	28.3	28.2						
Nonstore retailers	596	33.9	35.3	32.6	33.2						
Fuel and ice dealers	598	38.6	39.7	38.6	40.2						
Retail stores, nec	599	31.7	33.2	32.1	31.8						
Finance, insurance, and real estate⁵		36.2	36.7	36.6	36.8	36.5					
Banking	60	36.0	36.5	36.4	36.5						
Commercial and stock savings banks	602	36.0	36.5	36.5	36.6						
Credit agencies other than banks	61	37.0	37.9	37.5	38.0						
Savings and loan associations	612	36.2	36.8	36.2	36.7						
Personal credit institutions	614	37.2	38.5	37.7	37.9						
Insurance carriers	63	37.5	37.8	37.4	37.5						
Life insurance	631	37.0	37.2	36.9	37.1						
Medical service and health insurance	632	38.6	38.7	37.7	38.2						
Fire, marine, and casualty insurance	633	37.2	37.6	37.3	37.3						
Services		32.3	32.5	32.4	32.4	32.4					
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	30.1	30.0	31.0	31.0						
Personal services:											
Laundry, cleaning, and garment services	721	34.2	34.0	34.5	34.4						
Beauty shops ⁴	723	30.1	29.9	30.0	30.3						
Business services	73	33.4	33.7	33.3	33.4						
Advertising	731	36.3	36.4	36.4	36.5						
Services to buildings	734	28.2	28.5	28.5	28.4						
Computer and data processing services	737	38.3	38.5	37.7	38.2						
Auto repair, services, and garages	75	37.1	37.3	37.5	37.3						
Automotive repair shops	753	38.3	38.2	38.7	38.3						
Miscellaneous repair services	76	38.6	38.7	38.2	37.8						
Motion pictures	78	27.6	29.1	28.4	28.5						
Motion picture production and services	781	34.8	37.2	36.0	35.8						
Amusement and recreation services	79	28.1	28.7	28.2	28.4						
Health services	80	32.5	32.5	32.3	32.4						
Offices of physicians	801	30.6	30.5	30.9	31.0						
Offices of dentists	802	28.5	28.4	27.8	27.6						
Nursing and personal care facilities	805	31.1	31.6	31.3	31.6						
Hospitals	806	34.4	34.3	34.1	34.2						
Legal services	81	34.6	34.9	34.6	34.6						
Miscellaneous services	89	38.3	38.4	38.4	38.2						
Engineering and architectural services	891	39.4	39.6	39.7	39.6						
Accounting, auditing, and bookkeeping	893	37.2	36.9	37.0	36.7						

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

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

Industry	1972 SIC Code	Average hourly earnings					Average weekly earnings				
		Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Retail trade—Continued											
Miscellaneous retail	59	\$5.93	\$5.95	\$6.18	\$6.16		\$179.68	\$189.21	\$186.02	\$185.42	
Drug stores and proprietary stores	591	5.50	5.51	5.71	5.68		156.75	159.79	161.59	159.61	
Miscellaneous shopping goods stores	594	5.51	5.49	5.77	5.69		157.04	169.09	163.29	160.46	
Nonstore retailers	596	6.44	6.56	6.99	7.01		218.32	231.57	227.87	232.73	
Fuel and ice dealers	598	8.62	8.91	8.85	8.88		332.73	353.73	341.61	356.98	
Retail stores, nec	599	6.16	6.18	6.35	6.34		195.27	205.18	203.84	201.61	
Finance, insurance, and real estate⁵		8.06	8.15	8.38	8.56	\$8.52	291.77	299.11	306.71	315.01	\$310.98
Banking	60	6.96	7.03	7.23	7.37		250.56	256.60	263.17	269.01	
Commercial and stock savings banks	602	6.81	6.88	7.01	7.15		245.16	251.12	255.87	261.69	
Credit agencies other than banks	61	7.34	7.49	7.73	7.86		271.58	283.87	289.88	298.68	
Savings and loan associations	612	6.86	6.96	7.32	7.43		248.33	256.13	264.98	272.68	
Personal credit institutions	614	7.04	7.21	7.26	7.35		261.89	277.59	273.70	278.57	
Insurance carriers	63	8.74	8.82	9.23	9.29		327.75	333.40	345.20	348.38	
Life insurance	631	8.27	8.29	8.79	8.84		305.99	308.39	324.35	327.96	
Medical service and health insurance	632	8.88	9.10	9.15	9.29		342.77	352.17	344.96	354.88	
Fire, marine, and casualty insurance	633	9.07	9.13	9.54	9.58		337.40	343.29	355.84	357.33	
Services		8.05	8.12	8.22	8.32	8.31	260.02	263.90	266.33	269.57	269.24
Hotels and other lodging places:											
Hotels, motels, and tourist courts ⁴	701	5.99	6.04	6.02	6.12		180.30	181.20	186.62	189.72	
Personal services:											
Laundry, cleaning, and garment services	721	5.87	5.93	6.02	6.01		200.75	201.62	207.69	206.74	
Beauty shops ⁴	723	6.07	6.24	6.08	6.15		182.71	186.58	182.40	186.35	
Business services	73	8.26	8.32	8.42	8.52		275.88	280.38	280.39	284.57	
Advertising	731	10.71	11.09	11.25	11.50		388.77	403.68	409.50	419.75	
Services to buildings	734	6.38	6.33	6.49	6.53		179.92	180.41	184.97	185.45	
Computer and data processing services	737	11.18	11.22	11.72	11.81		428.19	431.97	441.84	451.14	
Auto repair, services, and garages	75	7.53	7.55	7.65	7.67		279.36	281.62	286.88	286.09	
Automotive repair shops	753	8.09	8.16	8.22	8.25		309.85	311.71	318.11	315.98	
Miscellaneous repair services	76	8.78	8.78	8.86	8.95		338.91	339.79	338.45	338.31	
Motion pictures	78	13.19	13.54	12.79	13.28		364.04	394.01	363.24	378.48	
Motion picture production and services	781	18.03	18.62	16.82	17.45		627.44	692.66	605.52	624.71	
Amusement and recreation services	79	7.39	7.32	6.87	7.02		207.66	210.08	193.73	199.37	
Health services	80	8.17	8.20	8.41	8.44		265.53	266.50	271.64	273.46	
Offices of physicians	801	7.98	8.08	8.21	8.31		244.19	246.44	253.69	257.61	
Offices of dentists	802	8.03	8.17	8.26	8.34		228.86	232.03	229.63	230.18	
Nursing and personal care facilities	805	5.68	5.70	5.81	5.81		176.65	180.12	181.85	183.60	
Hospitals	806	9.16	9.17	9.51	9.52		315.10	314.53	324.29	325.58	
Legal services	81	10.67	10.93	11.28	11.65		369.18	381.46	390.29	403.09	
Miscellaneous services	89	11.53	11.77	11.79	11.99		441.60	451.97	452.74	458.02	
Engineering and architectural services	891	12.48	12.69	12.70	12.82		491.71	502.52	504.19	507.67	
Accounting, auditing, and bookkeeping	893	9.62	9.93	9.93	10.24		357.86	366.42	367.41	375.81	

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

² See table C-2a for average hourly earnings in the aircraft industry (SIC 3721).

³ Data relate to line haul railroads with operating revenues of \$50,000,000 or more.

⁴ Money payments only; tips, not included.

⁵ Data for nonoffice sales agents are excluded from all series in this division.

- Data not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

A Note on Average Hourly Earnings in Aircraft Manufacturing

For many years, the Bureau of Labor Statistics' average hourly earnings series for production workers in aircraft manufacturing (SIC 3721) has been used to escalate labor costs in contracts between aircraft companies and their customers. Although the Bureau's series by definition takes account of traditional wage rate changes, it does not capture "lump-sum payments to workers in lieu of general wage increases" which were negotiated in aircraft manufacturers' collective bargaining agreements beginning in late 1983.

As a service to aircraft companies and other interested parties, BLS has calculated an average hourly earnings series for SIC 3721 which includes lump-sum payments. This series is presented in table C-2a along with the average hourly earnings series produced as part of the Current Employment Statistics program. The series begins in October 1983, the effective date of the first aircraft bargaining agreement using lump-sum payments.

The general practice in the industry has been to make this payment at the beginning of the contract year "in lieu of a wage increase" and to base the amount of the payment on the workers' earnings during the preceding year. As a result, the Bureau considered three approaches to the method for calculating an average hourly earnings series which includes lump-sum payments:

1. The entire payment could be included in the month in which the payment was made.
2. The payments could be prorated backward to payroll periods used to determine the amount of the lump-sum payment.
3. The payments could be prorated forward as an advance

payment for payroll periods in the year following the payment.

The first approach, attractive because it includes the payment in the month in which it is received by the worker, creates 1-month "spikes" and a series which would not be useful for escalation purposes. The second approach, which prorates the payments backward, places emphasis on the determination of the amount of the payment from workers' earnings in the previous year. This approach generally relates the payments to the workers who receive them. However, the Bureau has received statements from both union and company officials who negotiated the agreements covering a majority of the workers in the industry. These statements make clear that the intent of the bargainers was to make an advance payment for the upcoming contract year in lieu of an increase in wage rates for that following year.

Because BLS has a longstanding policy of leaving the interpretation of collective bargaining agreements to the parties involved, the Bureau calculated the inclusion of lump-sum payments using the third method, prorating the payments forward through the years covered by the contract. Because the payments prorated forward under this approach may include payments to workers no longer on the payroll, data provided by the aircraft companies have been used to adjust for this difference.

Lump-sum payments are but one of several recent changes in the way that employees are compensated. The changes are widespread and they differ by industry. Because of these developments, the Bureau plans to conduct a broad-based review of all concepts and definitions used in its earnings and wage programs to determine the proper treatment of lump-sum payments and other new compensation practices.

C-2a. Average hourly earnings in aircraft manufacturing (SIC 3721)

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average hourly earnings, excluding lump-sum payments													
1983												\$12.83	\$12.93
1984	\$12.91	\$12.82	\$12.88	\$12.85	\$12.81	\$12.78	\$12.87	\$12.89	\$12.87	\$12.97	\$13.04	13.05	13.13
1985	13.18	13.01	13.12	13.11	13.04	13.06	13.11	13.05	13.16	13.26	13.35	13.37	13.48
1986		13.38	13.44	13.46	13.46	13.38	13.42	13.41	13.43	13.48	13.52	^P 13.55	
Average hourly earnings, including lump-sum payments													
1983												\$12.92	\$13.03
1984	\$13.11	\$12.95	\$13.02	\$13.02	\$12.98	\$12.97	\$13.06	\$13.11	\$13.09	\$13.19	\$13.26	13.28	13.37
1985	13.40	13.26	13.36	13.33	13.26	13.27	13.33	13.29	13.39	13.48	13.54	13.57	13.68
1986		13.58	13.64	13.66	13.66	13.58	13.63	13.61	13.63	13.68	14.00	^P 14.06	

^P = preliminary.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-3. Average hourly earnings, excluding overtime¹ of production workers on manufacturing payrolls

Industry	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ²	Dec. 1986 ²
Manufacturing	\$9.23	\$9.31	\$9.31	\$9.36	\$9.42
Durable goods	9.78	9.86	9.85	9.89	9.96
Lumber and wood products	7.97	8.02	8.01	8.03	(°)
Furniture and fixtures	7.09	7.11	7.23	7.27	(°)
Stone, clay, and glass products	9.38	9.45	9.52	9.59	(°)
Primary metal industries	11.23	11.27	11.27	11.29	(°)
Fabricated metal products	9.36	9.46	9.46	9.51	(°)
Machinery, except electrical	10.05	10.07	10.15	10.15	(°)
Electrical and electronic equipment	9.26	9.31	9.39	9.39	(°)
Transportation equipment	12.13	12.26	12.25	12.27	(°)
Instruments and related products	8.97	9.04	9.24	9.28	(°)
Miscellaneous manufacturing	7.12	7.22	7.35	7.36	(°)
Nondurable goods	8.43	8.50	8.58	8.62	\$8.67
Food and kindred products	8.20	8.30	8.27	8.37	(°)
Tobacco manufactures	11.79	11.58	11.83	12.40	(°)
Textile mill products	6.48	6.51	6.69	6.72	(°)
Apparel and other textile products	5.63	5.67	5.69	5.69	(°)
Paper and allied products	10.40	10.46	10.61	10.58	(°)
Printing and publishing	9.46	9.52	9.68	9.71	(°)
Chemicals and allied products	11.34	11.37	11.57	11.62	(°)
Petroleum and coal products	13.39	13.54	13.43	13.59	(°)
Rubber and misc. plastics products	8.26	8.34	8.37	8.40	(°)
Leather and leather products	5.69	5.71	5.78	5.83	(°)

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

² Not available.

° = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EARNINGS
NOT SEASONALLY ADJUSTED**

C-4. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry, in current and constant (1977) dollars.

Industry	Average hourly earnings					Average weekly earnings				
	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p	Nov. 1985	Dec. 1985	Oct. 1986	Nov. 1986 ^p	Dec. 1986 ^p
Total private:										
Current dollars	\$8.66	\$8.71	\$8.81	\$8.86	\$8.85	\$301.37	\$306.59	\$305.71	\$307.44	\$308.87
Constant (1977) dollars	4.87	4.89	4.92	4.94	(²)	169.59	172.05	170.69	171.47	(²)
Mining:										
Current dollars	12.07	12.27	12.51	12.57	\$12.64	521.42	537.43	527.92	524.17	\$533.41
Constant (1977) dollars	6.79	6.89	6.99	7.01	(²)	293.43	301.59	294.76	292.34	(²)
Construction:										
Current dollars	12.28	12.47	12.62	12.59	\$12.71	450.68	460.14	479.56	460.79	\$470.27
Constant (1977) dollars	6.91	7.00	7.05	7.02	(²)	253.62	258.22	267.76	256.99	(²)
Manufacturing:										
Current dollars	9.63	9.74	9.72	9.77	\$9.86	393.87	406.16	396.58	400.57	\$411.16
Constant (1977) dollars	5.42	5.47	5.43	5.45	(²)	221.65	227.92	221.43	223.41	(²)
Transportation and public utilities:										
Current dollars	11.59	11.61	11.68	11.77	\$11.76	457.81	460.92	456.69	462.56	\$460.99
Constant (1977) dollars	6.52	6.52	6.52	6.56	(²)	257.63	258.65	254.99	257.98	(²)
Wholesale trade:										
Current dollars	9.23	9.33	9.35	9.54	\$9.54	355.36	360.14	359.04	366.34	\$366.34
Constant (1977) dollars	5.19	5.24	5.22	5.32	(²)	199.98	202.10	200.47	204.32	(²)
Retail trade:										
Current dollars	5.97	5.99	6.04	6.06	\$6.02	173.73	178.50	175.16	175.74	\$176.99
Constant (1977) dollars	3.36	3.36	3.37	3.38	(²)	97.77	100.17	97.80	98.01	(²)
Finance, insurance, and real estate:										
Current dollars	8.06	8.15	8.38	8.56	\$8.52	291.77	299.11	306.71	315.01	\$310.98
Constant (1977) dollars	4.54	4.57	4.68	4.77	(²)	164.19	167.85	171.25	175.69	(²)
Services:										
Current dollars	8.05	8.12	8.22	8.32	\$8.31	260.02	263.90	266.33	269.57	\$269.24
Constant (1977) dollars	4.53	4.56	4.59	4.64	(²)	146.33	148.09	148.70	150.35	(²)

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

² Not available.

^p = preliminary.

NOTE: The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate the earnings series. Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-5. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

Industry	1985		1986										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
Total private	34.9	35.0	34.9	34.9	34.8	34.8	34.7	34.7	34.8	34.7	34.7	34.8	34.6
Mining	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Construction	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Manufacturing	40.9	40.8	40.7	40.7	40.7	40.7	40.6	40.6	40.8	40.8	40.7	40.8	40.9
<i>Overtime hours</i>	3.6	3.5	3.4	3.4	3.4	3.4	3.3	3.4	3.5	3.5	3.5	3.5	3.6
Durable goods	41.6	41.5	41.4	41.4	41.3	41.2	41.2	41.1	41.4	41.4	41.3	41.4	41.4
<i>Overtime hours</i>	3.7	3.6	3.5	3.6	3.6	3.4	3.5	3.5	3.5	3.6	3.6	3.6	3.7
Lumber and wood products	40.2	40.4	40.0	40.2	40.3	40.3	39.9	40.1	40.2	40.1	40.3	40.7	40.4
Furniture and fixtures	39.9	40.0	39.7	39.4	39.1	39.4	39.4	39.4	39.9	40.0	39.8	39.7	39.7
Stone, clay, and glass products	41.8	42.7	41.9	41.9	42.4	42.3	42.2	42.2	42.5	42.5	42.3	41.9	42.2
Primary metal industries	42.1	41.9	42.1	41.9	41.3	41.7	41.6	41.3	41.9	42.0	42.3	42.4	43.0
Blast furnaces and basic steel products ..	41.9	41.7	41.8	41.7	40.5	41.5	41.1	41.2	41.5	41.6	42.3	42.5	43.7
Fabricated metal products	41.6	41.5	41.5	41.4	41.2	41.1	41.1	41.1	41.2	41.5	41.2	41.4	41.3
Machinery, except electrical	41.7	41.6	41.6	41.6	41.8	41.8	41.7	41.4	41.7	41.7	41.6	41.7	41.6
Electrical and electronic equipment	41.1	41.0	40.9	41.0	41.1	41.0	41.0	41.1	41.2	41.2	40.9	40.9	40.9
Transportation equipment	43.0	42.8	42.7	42.7	42.1	41.9	42.2	42.1	42.6	42.6	42.1	42.3	42.3
Motor vehicles and equipment	44.0	43.6	43.4	43.3	41.9	41.8	42.4	42.4	42.8	42.7	42.1	42.5	42.6
Instruments and related products	41.6	41.1	41.2	41.3	41.3	40.9	41.0	40.8	41.0	40.7	41.1	41.2	41.6
Miscellaneous manufacturing	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Nondurable goods	40.0	39.9	39.7	39.8	39.9	39.9	39.8	39.8	40.0	39.9	39.9	40.1	40.1
<i>Overtime hours</i>	3.4	3.3	3.2	3.2	3.3	3.4	3.2	3.4	3.4	3.3	3.4	3.5	3.5
Food and kindred products	40.1	40.1	39.8	39.9	40.2	40.2	40.0	40.0	40.3	39.7	39.8	39.9	39.9
Tobacco manufactures	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Textile mill products	41.0	40.8	40.6	40.7	41.3	41.1	40.8	40.9	41.4	41.6	41.5	41.6	41.8
Apparel and other textile products	36.8	36.7	36.3	36.5	36.9	36.5	36.5	36.6	36.5	36.7	36.7	36.9	37.1
Paper and allied products	43.5	43.6	43.5	43.5	43.0	43.2	43.1	43.2	43.5	43.0	43.0	43.2	43.2
Printing and publishing	38.1	38.0	38.0	38.0	38.0	38.0	37.8	37.9	38.0	38.0	38.0	38.0	38.0
Chemicals and allied products	42.0	41.9	41.8	41.9	41.9	42.0	41.9	41.9	42.1	42.0	42.2	42.6	42.5
Petroleum and coal products	43.6	43.5	43.7	43.8	43.6	43.4	44.0	43.5	44.3	43.4	43.7	43.7	43.8
Rubber and misc. plastics products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Leather and leather products	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Transportation and public utilities	39.5	39.4	39.5	39.6	39.2	39.2	39.1	39.2	39.1	38.9	39.1	39.3	39.0
Wholesale trade	38.4	38.5	38.4	38.5	38.5	38.4	38.3	38.3	38.4	38.2	38.4	38.3	38.2
Retail trade	29.2	29.3	29.3	29.3	29.2	29.2	29.1	29.2	29.2	29.2	29.1	29.2	28.8
Finance, insurance, and real estate	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Services	32.5	32.6	32.6	32.5	32.5	32.5	32.4	32.4	32.4	32.3	32.4	32.5	32.4

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

² These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular

components and consequently cannot be separated with sufficient precision.
^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS
SEASONALLY ADJUSTED**

C-6. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group, seasonally adjusted

(1977 = 100)

Industry	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
Total private	116.8	117.8	117.5	117.4	117.8	117.7	117.3	117.9	118.4	118.3	118.6	119.3	119.0
Goods-producing	99.3	100.6	98.8	98.5	99.4	98.8	98.0	98.1	98.9	98.7	98.5	98.9	99.2
Mining	102.8	104.5	99.3	95.0	90.2	85.3	83.4	83.7	83.0	81.2	82.1	81.5	80.3
Construction	126.4	134.1	126.3	126.6	133.7	132.6	130.3	132.2	134.0	134.2	133.0	132.1	132.7
Manufacturing	94.0	93.9	93.5	93.3	93.2	92.9	92.4	92.2	92.9	92.7	92.6	93.2	93.6
Durable goods	92.7	92.6	92.1	91.7	91.5	91.0	90.3	89.9	90.7	90.5	90.1	90.6	91.0
Lumber and wood products	97.8	99.1	98.1	98.6	99.3	99.3	98.5	98.7	99.9	100.5	101.4	103.1	103.3
Furniture and fixtures	105.5	105.7	104.9	104.4	103.6	104.9	104.9	105.2	107.1	107.6	107.3	106.8	106.8
Stone, clay, and glass products	86.5	89.1	87.4	87.4	89.2	88.8	88.2	87.9	88.1	88.3	87.3	86.5	87.9
Primary metal industries	67.6	66.7	66.8	65.6	64.7	64.8	62.7	61.8	61.9	61.8	62.2	62.7	63.8
Blast furnaces and basic steel products	56.3	53.4	55.1	53.6	51.8	52.6	51.6	51.7	49.0	48.4	49.7	49.5	53.2
Fabricated metal products	91.2	91.0	90.6	90.2	90.1	89.4	88.9	88.1	88.5	89.4	88.6	89.1	89.3
Machinery, except electrical	90.3	90.2	89.6	89.3	89.4	88.9	88.3	87.0	87.5	85.8	85.3	85.2	84.9
Electrical and electronic equipment	104.4	103.8	103.2	102.9	103.0	102.8	100.6	102.7	103.2	102.9	102.3	102.6	102.7
Transportation equipment	99.0	98.2	97.9	97.1	95.6	94.2	94.9	93.9	95.9	95.9	94.9	96.4	96.4
Motor vehicles and equipment	92.8	92.1	89.4	88.4	85.3	83.4	84.5	82.5	84.8	84.4	82.1	84.6	84.5
Instruments and related products	106.3	105.3	105.8	106.1	106.1	104.5	104.5	103.5	104.5	103.5	104.2	104.2	105.8
Miscellaneous manufacturing	81.3	82.4	82.4	81.8	81.6	81.2	81.7	80.1	80.1	79.9	79.9	81.3	83.3
Nondurable goods	95.8	95.9	95.5	95.7	95.8	95.7	95.6	95.7	96.1	96.0	96.3	97.1	97.6
Food and kindred products	98.2	98.2	98.2	98.4	99.1	99.5	99.9	99.8	100.1	98.9	99.0	100.4	100.2
Tobacco manufactures	84.5	85.2	82.8	85.4	81.6	82.1	79.5	81.5	72.2	76.6	77.5	78.9	75.9
Textile mill products	77.7	77.6	77.3	77.8	78.4	78.4	77.9	78.5	79.6	79.6	79.9	80.9	81.6
Apparel and other textile products	87.2	87.3	85.5	85.4	86.6	85.2	84.8	85.3	85.0	85.6	85.9	86.4	87.8
Paper and allied products	101.8	102.3	102.0	102.0	101.0	101.7	101.7	101.5	101.6	101.2	102.0	102.7	103.7
Printing and publishing	126.3	126.4	127.0	127.4	127.8	127.8	127.6	128.7	128.6	128.9	129.7	129.7	130.5
Chemicals and allied products	93.9	93.4	93.3	93.4	93.2	92.9	93.2	93.2	94.0	93.4	93.7	94.6	94.2
Petroleum and coal products	80.8	80.6	81.0	80.4	80.1	79.7	80.8	79.1	81.3	78.9	79.4	79.4	80.4
Rubber and misc. plastics products	111.6	112.4	112.1	112.7	111.8	111.8	111.7	110.5	112.6	113.4	113.5	114.8	114.9
Leather and leather products	63.3	62.6	61.3	60.9	58.5	57.5	56.8	56.4	56.9	56.6	56.8	56.9	58.1
Service-producing	126.5	127.3	127.8	127.8	127.9	128.2	128.0	128.9	129.2	129.2	129.7	130.5	129.9
Transportation and public utilities	108.1	107.9	108.0	108.2	106.8	106.8	104.3	106.7	105.7	106.6	107.3	108.6	108.3
Wholesale trade	119.1	119.9	119.8	120.1	120.6	120.2	119.0	119.8	120.2	119.3	119.8	119.6	119.0
Retail trade	116.5	117.8	118.3	118.4	118.1	118.5	118.4	119.1	119.3	119.6	119.7	120.3	118.6
Finance, insurance, and real estate	133.5	133.3	135.4	135.6	135.4	135.8	137.6	137.8	139.1	138.7	139.7	141.5	140.2
Services	142.3	143.2	143.7	143.5	144.2	144.8	145.2	145.9	146.4	146.0	146.8	147.9	148.2

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision. September data for total private and transportation and public utilities have been corrected.

**ESTABLISHMENT DATA
EARNINGS
SEASONALLY ADJUSTED**

C-7. The Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1985	1986											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^p	Dec. ^p
Hourly Earnings Index ² (1977=100)													
Total private (in current dollars)	167.7	167.3	168.2	168.5	168.4	168.7	169.2	168.9	169.3	169.6	170.0	170.9	170.8
Mining	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Construction	151.2	149.7	149.7	149.2	150.6	151.0	151.4	150.8	151.3	151.2	152.6	153.9	153.8
Manufacturing	171.0	170.7	171.3	171.8	172.0	172.5	172.5	172.7	172.9	172.8	173.1	173.1	173.7
Transportation and public utilities	169.1	168.6	169.6	170.2	169.3	170.1	170.7	170.3	170.1	170.8	170.9	171.4	171.6
Wholesale trade	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Retail trade	157.5	157.0	157.3	157.4	157.3	157.2	157.8	157.7	158.5	159.1	159.1	159.3	158.5
Finance, insurance, and real estate	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Services	171.6	171.7	173.1	174.0	173.1	173.4	174.3	173.4	174.3	174.4	175.3	176.7	175.9
Total private (in constant dollars) ⁴	94.0	93.5	94.4	95.1	95.4	95.4	95.2	95.1	95.1	95.0	95.1	95.4	(^q)
Average hourly earnings													
Total private	\$8.70	\$8.68	\$8.71	\$8.73	\$8.72	\$8.73	\$8.74	\$8.73	\$8.77	\$8.76	\$8.80	\$8.85	\$8.84
Mining	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)	(^q)
Construction	\$12.40	\$12.25	\$12.29	\$12.23	\$12.34	\$12.38	\$12.43	\$12.40	\$12.43	\$12.43	\$12.53	\$12.65	\$12.63
Manufacturing	9.68	9.65	9.68	9.70	9.68	9.72	9.71	9.73	9.76	9.74	9.77	9.77	9.80
Transportation and public utilities	11.56	11.56	11.62	11.65	11.58	11.62	11.63	11.62	11.62	11.64	11.67	11.70	11.70
Wholesale trade	9.30	9.22	9.34	9.36	9.27	9.29	9.35	9.31	9.37	9.35	9.39	9.55	9.50
Retail trade	6.02	5.99	5.99	6.01	5.99	5.99	6.00	6.00	6.03	6.05	6.05	6.06	6.04
Finance, insurance, and real estate	8.14	8.10	8.21	8.27	8.28	8.31	8.40	8.33	8.41	8.37	8.41	8.58	8.50
Services	8.05	8.05	8.11	8.16	8.11	8.12	8.17	8.12	8.16	8.17	8.21	8.29	8.24
Average weekly earnings													
Total private:													
In current dollars	303.63	303.80	303.98	304.68	303.46	303.80	303.28	302.93	305.20	303.97	305.36	307.98	305.86
In constant (1977) dollars ⁴	170.20	169.72	170.58	171.94	171.93	171.83	170.67	170.57	171.46	170.29	170.78	171.86	(^q)

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

² Excludes the effects of two types of changes that are unrelated to underlying wage rate movements: Fluctuations in overtime in manufacturing and interindustry employment shifts.

³ These series are not published seasonally adjusted because the seasonal components are small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

⁴ The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate these series.

⁵ Not available.
^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all seasonally adjusted data from January 1982 forward are subject to revision. September data for total private average hourly earnings and average weekly earnings (in current and constant dollars) have been corrected.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Alabama	41.3	41.4	41.1	\$8.60	\$8.65	\$8.72	\$355.18	\$358.11	\$358.39
Birmingham	41.8	40.9	40.8	8.88	8.65	8.71	371.18	353.79	355.37
Mobile	42.6	(¹)	(¹)	10.12	(¹)	(¹)	431.11	(¹)	(¹)
Alaska	34.3	39.8	36.3	13.79	\$12.76	\$13.35	473.00	\$507.85	\$484.61
Arizona	41.0	41.2	41.2	9.60	10.01	10.06	393.60	412.41	414.47
Phoenix	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Tucson	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arkansas	39.5	40.7	40.4	7.64	7.82	7.94	301.78	318.27	320.78
Fayetteville-Springdale	39.4	41.0	41.0	6.82	7.00	7.03	268.71	287.00	288.23
Fort Smith	40.0	40.3	41.4	8.13	8.07	8.22	325.20	325.22	340.31
Little Rock-North Little Rock	40.5	41.3	40.9	8.24	8.39	8.50	333.72	346.51	347.65
Pine Bluff	41.3	(¹)	(¹)	9.66	(¹)	(¹)	398.96	(¹)	(¹)
California	40.4	40.3	40.5	10.23	\$10.38	\$10.50	413.29	\$418.31	\$425.25
Colorado	39.9	39.9	40.0	9.54	9.59	9.57	380.65	382.64	382.80
Denver	39.6	(¹)	(¹)	10.32	(¹)	(¹)	408.67	(¹)	(¹)
Connecticut	42.3	41.8	42.2	9.73	\$10.08	\$10.16	411.58	\$421.34	\$428.75
Bridgeport-Milford	41.7	41.0	41.7	10.02	10.31	10.49	417.83	422.71	437.43
Hartford	42.7	41.7	42.2	10.24	10.40	10.53	437.25	433.68	444.37
New Britain	42.1	(¹)	(¹)	10.07	(¹)	(¹)	423.95	(¹)	(¹)
New Haven-Meriden	41.1	41.3	41.5	9.21	\$9.78	\$9.86	378.53	\$403.91	\$409.19
Stamford	42.4	(¹)	(¹)	9.91	(¹)	(¹)	420.18	(¹)	(¹)
Waterbury	42.6	42.9	43.3	8.38	\$8.66	\$8.60	356.99	\$371.51	\$372.38
Delaware	41.4	40.9	41.4	10.12	10.27	10.30	418.97	420.04	426.42
Wilmington	41.6	41.8	41.8	12.07	12.24	12.25	502.11	511.63	512.05
District of Columbia:									
Washington MSA	39.0	39.2	39.0	10.61	10.43	10.57	413.79	408.86	412.23
Florida	41.8	40.6	41.4	7.94	8.06	8.08	331.89	327.24	334.51
Fort Lauderdale-Hollywood-Pompano Beach	41.6	(¹)	(¹)	7.72	(¹)	(¹)	321.15	(¹)	(¹)
Jacksonville	41.8	40.5	41.2	8.09	\$8.47	\$8.40	338.16	\$343.04	\$346.08
Lakeland-Winter Haven	42.9	(¹)	(¹)	7.68	(¹)	(¹)	329.47	(¹)	(¹)
Miami-Hialeah	40.1	38.6	39.1	6.76	\$7.01	\$7.02	271.08	\$270.59	\$274.48
Orlando	41.6	41.6	41.6	8.38	8.44	8.51	348.61	351.10	354.02
Pensacola	41.0	(¹)	(¹)	9.65	(¹)	(¹)	395.65	(¹)	(¹)
Tampa-St. Petersburg-Clearwater	40.5	40.4	40.9	7.58	\$7.46	\$7.54	306.99	\$301.38	\$308.39
West Palm Beach-Boca Raton-Delray Beach	43.8	(¹)	(¹)	8.10	(¹)	(¹)	354.78	(¹)	(¹)
Georgia	41.2	40.9	41.1	8.20	\$8.35	\$8.36	337.84	\$341.52	\$343.60
Atlanta	40.9	(¹)	(¹)	9.68	(¹)	(¹)	395.91	(¹)	(¹)
Savannah	44.8	(¹)	(¹)	10.25	(¹)	(¹)	459.20	(¹)	(¹)
Hawaii	37.9	40.2	39.7	8.78	\$9.22	\$9.07	332.76	\$370.64	\$360.08
Honolulu	37.7	40.0	40.1	8.83	9.39	9.41	332.89	375.60	377.34
Idaho	38.3	38.4	38.7	9.48	9.91	9.80	363.08	380.54	379.26
Illinois	41.5	41.0	41.0	10.55	10.67	10.69	437.83	437.47	438.29
Aurora-Elgin	39.1	(¹)	(¹)	10.06	(¹)	(¹)	393.35	(¹)	(¹)
Bloomington-Normal	40.4	38.9	39.6	10.76	\$10.71	\$10.51	434.70	\$416.62	\$416.20
Champaign-Urbana-Rantoul	41.2	40.7	40.2	9.52	9.28	9.19	392.22	377.70	369.44
Chicago	41.9	41.6	41.8	10.21	10.40	10.41	427.80	432.64	435.14
Davenport-Rock Island-Moline	40.5	38.7	37.6	12.38	11.88	11.71	501.39	459.76	440.30
Decatur	41.0	40.4	41.4	13.70	13.73	13.88	561.70	554.69	574.63
Joliet	41.4	(¹)	(¹)	11.51	(¹)	(¹)	476.51	(¹)	(¹)
Kankakee	38.8	(¹)	(¹)	9.79	(¹)	(¹)	379.85	(¹)	(¹)
Lake County	41.5	(¹)	(¹)	10.33	(¹)	(¹)	428.70	(¹)	(¹)
Peoria	41.5	41.5	41.2	12.84	\$12.85	\$12.83	532.86	\$533.28	\$528.60
Rockford	43.2	41.8	43.8	11.07	11.02	11.24	478.22	460.64	492.31
Springfield	42.5	43.3	42.2	11.62	11.95	11.99	493.85	517.44	505.98

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Indiana	41.4	41.4	41.6	\$10.79	\$10.74	\$10.82	\$446.71	\$444.64	\$450.11
Gary-Hammond	41.4	(¹)	(¹)	14.05	(¹)	(¹)	581.67	(¹)	(¹)
Indianapolis	41.9	(¹)	(¹)	10.88	(¹)	(¹)	455.87	(¹)	(¹)
Iowa	40.9	40.7	40.5	10.42	\$10.07	\$10.10	426.18	\$409.85	\$409.05
Cedar Rapids	41.2	40.0	39.6	11.17	11.44	11.28	460.20	457.60	446.69
Des Moines	39.8	40.8	39.5	11.66	11.55	11.27	464.07	471.24	445.17
Dubuque	40.8	(¹)	(¹)	11.72	(¹)	(¹)	478.18	(¹)	(¹)
Sioux City	39.6	41.9	41.7	8.32	\$8.45	\$8.57	329.47	\$354.06	\$357.37
Kansas	39.7	40.3	40.2	9.56	9.94	9.93	379.53	400.58	399.19
Topeka	41.5	41.7	39.5	11.20	10.80	10.66	464.80	450.36	421.07
Wichita	39.2	40.9	41.3	10.09	10.83	10.79	395.53	442.95	445.63
Kentucky	39.4	39.3	40.0	9.62	9.93	10.00	379.03	390.25	400.00
Lexington-Fayette	39.6	(¹)	(¹)	10.17	(¹)	(¹)	402.73	(¹)	(¹)
Louisville	40.6	40.6	42.2	10.78	\$11.05	\$11.28	437.67	\$448.63	\$476.02
Louisiana	42.5	42.0	42.4	10.40	10.47	10.50	442.00	439.74	445.20
Baton Rouge	45.8	42.3	43.3	11.95	12.31	11.91	547.31	520.71	515.70
New Orleans	41.7	40.2	40.8	10.53	10.36	10.58	439.10	416.47	431.66
Shreveport	39.1	39.1	41.5	10.42	10.90	11.53	407.42	426.19	478.50
Maine	39.8	40.6	40.8	8.77	8.75	8.93	349.05	355.25	364.34
Lewiston-Auburn	38.4	(¹)	(¹)	6.81	(¹)	(¹)	261.50	(¹)	(¹)
Portland	38.3	38.3	39.4	9.48	\$9.13	\$9.54	363.08	\$349.68	\$375.88
Maryland	40.6	40.4	41.0	9.87	9.86	10.05	400.72	398.34	412.05
Baltimore MSA	41.6	(¹)	(¹)	10.41	(¹)	(¹)	433.06	(¹)	(¹)
Massachusetts	42.0	41.1	41.2	9.09	\$9.38	\$9.49	381.78	\$385.52	\$390.99
Boston	40.9	40.4	40.9	9.83	10.33	10.31	402.05	417.33	421.68
Brockton	39.7	(¹)	(¹)	7.23	(¹)	(¹)	287.03	(¹)	(¹)
Fall River	34.8	(¹)	(¹)	6.96	(¹)	(¹)	242.21	(¹)	(¹)
Lawrence-Haverhill	39.6	(¹)	(¹)	8.97	(¹)	(¹)	355.21	(¹)	(¹)
Lowell	41.6	(¹)	(¹)	8.52	(¹)	(¹)	354.43	(¹)	(¹)
New Bedford	36.4	(¹)	(¹)	8.08	(¹)	(¹)	294.11	(¹)	(¹)
Springfield	42.1	42.4	42.4	8.98	\$8.97	\$9.02	378.06	\$380.33	\$382.45
Worcester	40.8	40.6	40.3	9.22	9.47	9.50	376.18	384.48	382.85
Michigan	42.4	42.5	42.3	12.69	12.73	12.72	538.06	541.02	538.06
Ann Arbor	44.4	44.6	44.3	13.44	13.94	13.87	596.74	621.72	614.44
Battle Creek	40.3	(¹)	(¹)	13.02	(¹)	(¹)	524.71	(¹)	(¹)
Detroit	44.1	43.4	43.7	13.60	\$13.78	\$13.71	599.76	\$598.05	\$599.13
Flint	42.8	43.1	42.6	14.29	14.45	14.45	611.61	622.79	615.57
Grand Rapids	39.5	41.3	40.4	10.58	10.61	10.65	417.91	438.19	430.26
Jackson	41.3	(¹)	(¹)	9.88	(¹)	(¹)	408.04	(¹)	(¹)
Kalamazoo	43.7	43.6	42.7	11.83	\$11.95	\$11.98	516.97	\$521.02	\$511.55
Lansing-East Lansing	41.2	42.9	42.5	14.29	14.10	14.20	588.75	604.89	603.50
Muskegon	38.8	(¹)	(¹)	11.41	(¹)	(¹)	442.71	(¹)	(¹)
Saginaw-Bay City-Midland	42.0	43.2	42.9	14.13	\$13.83	\$13.92	593.46	\$597.46	\$597.17
Minnesota	40.2	40.9	40.6	10.18	10.27	10.12	409.24	420.04	410.87
Duluth	37.2	36.3	36.2	10.41	11.12	11.19	387.25	403.66	405.08
Minneapolis-St. Paul	40.7	40.8	40.4	10.99	11.08	10.95	447.29	452.06	442.38
St. Cloud	41.1	39.2	37.7	9.90	9.27	8.90	406.89	363.38	335.53
Mississippi	40.8	40.4	40.1	7.31	7.48	7.51	298.25	302.19	301.15
Jackson	41.3	39.6	39.5	8.16	8.30	8.32	337.01	328.68	328.64
Missouri	40.5	41.0	40.7	9.71	9.74	9.80	393.26	399.34	398.86
Kansas City	41.2	41.3	41.6	11.10	11.26	11.28	457.32	465.04	469.25
St. Joseph	39.0	(¹)	(¹)	9.17	(¹)	(¹)	357.63	(¹)	(¹)
St. Louis	40.6	40.3	40.3	11.19	\$11.08	\$11.23	454.31	\$446.52	\$452.57
Springfield	39.2	40.5	39.9	9.21	8.65	8.60	361.03	350.33	343.14
Montana	39.4	40.1	39.7	11.00	10.34	10.44	433.40	414.63	414.47

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Nebraska	40.6	40.8	40.3	\$9.13	\$9.27	\$9.35	\$370.68	\$378.22	\$376.81
Lincoln	37.8	40.9	41.3	9.88	9.94	9.94	373.46	406.55	410.52
Omaha	41.1	40.0	40.1	9.66	9.85	9.92	397.03	394.00	397.79
Nevada	40.1	39.8	41.6	9.12	9.78	9.44	365.71	389.24	392.70
Las Vegas	40.0	38.6	40.8	10.96	12.30	10.90	438.40	474.78	444.72
New Hampshire	41.1	41.2	42.0	8.61	8.84	8.93	353.87	364.21	375.06
Manchester	40.4	(¹)	(¹)	8.47	(¹)	(¹)	342.19	(¹)	(¹)
Nashua	41.2	40.6	42.0	10.28	\$10.45	\$10.51	423.54	\$424.27	\$441.42
New Jersey	41.3	41.0	41.3	10.03	10.23	10.31	414.24	419.43	425.80
Atlantic City	36.9	(¹)	(¹)	8.88	(¹)	(¹)	327.67	(¹)	(¹)
Bergen-Passaic	41.1	(¹)	(¹)	9.47	(¹)	(¹)	389.22	(¹)	(¹)
Camden	41.1	(¹)	(¹)	10.18	(¹)	(¹)	418.40	(¹)	(¹)
Jersey City	40.1	(¹)	(¹)	8.92	(¹)	(¹)	357.69	(¹)	(¹)
Middlesex-Somerset-Hunterdon	43.3	(¹)	(¹)	10.62	(¹)	(¹)	459.85	(¹)	(¹)
Newark	40.7	(¹)	(¹)	9.87	(¹)	(¹)	401.71	(¹)	(¹)
Trenton	40.6	(¹)	(¹)	10.58	(¹)	(¹)	429.55	(¹)	(¹)
New Mexico	40.3	40.3	39.0	8.50	\$8.87	\$8.70	342.55	\$357.46	\$339.30
Albuquerque	39.3	(¹)	(¹)	8.57	(¹)	(¹)	336.80	(¹)	(¹)
New York	40.4	40.0	40.2	9.80	\$9.89	\$9.94	395.92	\$395.60	\$399.59
Albany-Schenectady-Troy	41.3	40.4	41.1	9.83	10.31	10.36	405.98	416.52	425.80
Binghamton	40.8	40.8	41.0	8.71	8.83	8.91	355.37	360.26	365.31
Buffalo	42.7	41.9	42.6	12.21	11.71	11.83	521.37	490.65	503.96
Elmira	40.7	(¹)	(¹)	9.23	(¹)	(¹)	375.66	(¹)	(¹)
Glens Falls	41.2	(¹)	(¹)	9.55	(¹)	(¹)	393.46	(¹)	(¹)
Monroe County	43.0	(¹)	(¹)	12.90	(¹)	(¹)	554.70	(¹)	(¹)
Nassau-Suffolk	40.5	41.1	40.9	9.53	\$10.21	\$10.09	385.97	\$419.63	\$412.68
New York PMSA	38.0	37.1	37.6	9.03	9.26	9.29	343.14	343.55	349.30
New York City	37.6	36.7	37.3	8.86	9.13	9.13	333.14	335.07	340.55
Niagara Falls	43.2	41.5	41.7	12.79	12.62	12.68	552.53	523.73	528.76
Orange County	38.9	(¹)	(¹)	7.47	(¹)	(¹)	290.58	(¹)	(¹)
Poughkeepsie	43.2	(¹)	(¹)	8.81	(¹)	(¹)	380.59	(¹)	(¹)
Rochester	42.6	41.3	41.7	11.92	\$11.82	\$11.95	507.79	\$488.17	\$498.32
Rockland County	42.5	40.5	40.7	9.13	9.63	9.65	388.03	390.02	392.76
Syracuse	40.8	41.6	41.8	11.06	11.33	11.22	451.25	471.33	469.00
Utica-Rome	42.4	42.1	42.8	8.63	9.33	9.40	365.91	392.79	402.32
Westchester County	39.6	38.8	38.9	10.40	10.19	10.44	411.84	395.37	406.12
North Carolina	40.7	41.0	41.3	7.35	7.60	7.64	299.15	311.60	315.53
Asheville	42.2	(¹)	(¹)	7.46	(¹)	(¹)	314.81	(¹)	(¹)
Charlotte-Gastonia-Rock Hill	41.3	41.8	42.5	7.52	\$7.82	\$7.86	310.58	\$326.88	\$334.05
Greensboro-Winston-Salem-High Point	40.0	40.6	40.8	8.14	8.45	8.47	325.60	343.07	345.58
Raleigh-Durham	41.6	40.9	41.4	8.35	8.55	8.64	347.36	349.70	357.70
North Dakota	39.2	39.1	38.1	8.21	8.22	8.23	321.83	321.40	313.56
Fargo-Moorhead	38.4	(¹)	(¹)	8.54	(¹)	(¹)	327.94	(¹)	(¹)
Ohio	42.4	41.9	42.6	11.49	\$11.54	\$11.64	487.18	\$483.53	\$495.86
Akron	43.0	43.0	43.2	11.03	11.37	11.31	474.29	488.91	488.59
Canton	40.2	(¹)	(¹)	11.05	(¹)	(¹)	444.21	(¹)	(¹)
Cincinnati	42.2	42.5	43.5	10.72	\$10.80	\$10.97	452.38	\$459.00	\$477.20
Cleveland	41.6	42.1	43.1	11.24	11.41	11.59	467.58	480.36	499.53
Columbus	41.7	40.8	41.1	10.95	11.27	11.31	456.62	459.82	464.84
Dayton-Springfield	43.0	42.0	42.4	12.05	11.97	11.93	518.15	502.74	505.83
Toledo	42.8	42.6	42.1	12.41	12.48	12.45	531.15	531.65	524.15
Youngstown-Warren	44.5	(¹)	(¹)	13.47	(¹)	(¹)	599.42	(¹)	(¹)
Oklahoma	42.4	41.8	41.5	10.04	\$9.68	\$9.78	425.70	\$404.62	\$405.87
Oklahoma City	42.6	40.1	40.6	11.11	10.90	10.94	473.29	437.09	444.16
Tulsa	40.1	39.8	40.9	10.38	10.27	10.47	416.24	408.75	428.22
Oregon	38.5	38.9	39.3	10.49	10.40	10.56	403.87	404.56	415.01
Eugene-Springfield	39.9	40.1	40.2	10.80	10.43	10.51	430.92	418.24	422.50
Portland	39.2	39.5	39.3	10.50	10.88	10.85	411.60	429.76	426.41
Salem	35.3	37.1	36.9	8.76	6.29	9.08	309.23	307.56	335.05

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Pennsylvania	40.5	40.3	40.8	\$9.67	\$9.74	\$9.77	\$391.64	\$392.52	\$398.62
Allentown-Bethlehem	38.9	39.0	39.4	10.28	10.20	10.31	399.89	397.80	406.21
Altoona	39.8	(¹)	(¹)	8.21	(¹)	(¹)	326.76	(¹)	(¹)
Beaver County	39.8	39.5	40.3	11.48	\$11.41	\$11.25	456.90	\$450.70	\$453.38
Delaware Valley	40.7	40.1	40.7	10.14	10.24	10.30	412.70	410.62	419.21
Erie	42.3	(¹)	(¹)	10.27	(¹)	(¹)	434.42	(¹)	(¹)
Harrisburg-Lebanon-Carlisle	40.5	40.0	39.6	9.19	\$9.32	\$9.27	372.20	\$372.80	\$367.09
Johnstown	36.8	(¹)	(¹)	8.15	(¹)	(¹)	299.92	(¹)	(¹)
Lancaster	40.3	40.8	41.0	9.43	\$9.63	\$9.76	380.03	\$392.90	\$400.16
Philadelphia PMSA	40.7	40.2	40.8	10.15	10.22	10.27	413.11	410.84	419.02
Pittsburgh	41.4	40.6	41.3	10.99	10.89	10.93	454.99	442.13	451.41
Reading	40.2	40.7	41.5	9.80	9.91	9.84	393.96	403.34	408.36
Scranton-Wilkes-Barre	38.1	37.4	37.5	8.23	8.61	8.55	313.56	322.01	320.63
Williamsport	40.6	(¹)	(¹)	8.66	(¹)	(¹)	351.60	(¹)	(¹)
York	41.2	40.9	41.8	9.00	\$9.24	\$9.27	370.80	\$377.92	\$387.49
Rhode Island	40.3	40.5	40.8	7.69	7.99	8.01	309.91	323.60	325.21
Pawtucket-Woonsocket-Attleboro	40.5	(¹)	(¹)	7.28	(¹)	(¹)	294.84	(¹)	(¹)
Providence	40.4	(¹)	(¹)	7.62	(¹)	(¹)	307.85	(¹)	(¹)
South Carolina	41.2	41.3	41.6	7.66	\$7.97	\$7.99	315.59	\$329.16	\$332.38
Charleston	45.2	(¹)	(¹)	9.40	(¹)	(¹)	424.88	(¹)	(¹)
Columbia	40.7	40.3	40.2	7.68	\$7.80	\$7.81	312.58	\$314.34	\$313.96
Greenville-Spartanburg	41.9	41.6	41.9	7.43	7.84	7.87	311.32	326.14	329.75
South Dakota	39.5	43.4	42.4	7.43	7.88	7.89	293.49	341.99	334.54
Sioux Falls	37.8	48.4	45.4	7.09	8.17	8.30	268.00	395.43	376.82
Tennessee	41.2	41.1	41.6	8.43	8.63	8.67	347.32	354.69	360.67
Chattanooga	42.0	42.3	41.8	7.32	7.58	7.82	307.44	320.63	326.88
Johnson City-Kingsport-Bristol	44.7	(¹)	(¹)	9.01	(¹)	(¹)	402.75	(¹)	(¹)
Knoxville	41.5	39.2	39.9	8.97	\$9.00	\$8.88	372.26	\$352.80	\$354.31
Memphis	43.0	42.2	41.7	8.81	8.76	8.80	378.83	369.67	366.96
Nashville	40.1	40.7	41.1	9.32	9.69	9.78	373.73	394.38	401.96
Texas	41.4	41.1	41.5	9.47	9.58	9.66	392.06	393.74	400.89
Dallas	41.8	41.3	42.0	9.37	9.46	9.51	391.67	390.70	399.42
Ft. Worth-Arlington	41.6	41.5	41.7	9.44	9.67	9.80	392.70	401.31	408.66
Houston	42.5	42.6	43.4	11.12	11.23	11.24	472.60	478.40	487.82
San Antonio	41.0	40.1	41.8	7.24	7.45	7.45	296.84	298.75	311.41
Utah	41.1	40.0	40.7	9.64	9.57	9.68	396.20	382.80	393.98
Salt Lake City-Ogden	39.9	39.9	41.0	9.36	9.67	9.79	373.46	385.83	401.39
Vermont	41.0	40.1	40.4	8.62	8.88	8.90	353.42	356.09	359.56
Burlington	42.6	43.9	43.8	9.29	9.60	9.59	395.75	421.44	420.04
Springfield	41.0	(¹)	(¹)	8.47	(¹)	(¹)	347.27	(¹)	(¹)
Virginia	41.0	40.5	40.9	8.66	\$8.91	\$8.99	355.06	\$360.86	\$367.69
Bristol	39.5	39.2	40.8	7.45	7.47	7.52	294.28	292.82	306.82
Charlottesville	40.7	(¹)	(¹)	7.10	(¹)	(¹)	288.97	(¹)	(¹)
Danville	40.9	(¹)	(¹)	8.13	(¹)	(¹)	332.52	(¹)	(¹)
Lynchburg	39.9	40.3	42.0	8.32	\$8.34	\$8.45	331.97	\$336.10	\$354.90
Northern Virginia	41.1	41.7	41.6	9.04	9.45	9.54	371.54	394.07	396.86
Richmond-Petersburg	40.7	40.9	41.9	10.89	11.46	11.55	443.22	468.71	483.95
Roanoke	42.8	41.3	40.9	7.86	8.18	8.43	336.41	337.83	344.79
Washington	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS
NOT SEASONALLY ADJUSTED**

C-8. Average hours and earnings of production workers on manufacturing payrolls in States and selected areas—Continued

State and area	Average weekly hours			Average hourly earnings			Average weekly earnings		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
West Virginia	40.6	40.0	41.4	\$10.33	\$10.40	\$10.38	\$419.40	\$416.00	\$429.73
Charleston	42.4	41.3	42.7	13.20	13.28	13.32	559.68	548.46	568.76
Huntington-Ashland	39.5	39.8	39.9	11.47	11.71	11.77	453.07	466.06	469.62
Parkersburg-Marietta	42.6	41.8	43.9	11.85	12.41	12.35	504.81	518.74	542.17
Wheeling	41.4	(¹)	(¹)	11.73	(¹)	(¹)	485.62	(¹)	(¹)
Wisconsin	41.8	41.3	41.8	10.41	\$10.33	\$10.46	435.14	\$426.63	\$437.23
Appleton-Oshkosh	44.0	42.0	42.6	10.27	10.39	10.53	451.88	436.38	448.58
Eau Claire	40.9	40.8	40.9	10.14	10.41	10.41	414.73	424.73	425.77
Green Bay	43.3	42.5	42.2	11.30	11.12	11.37	489.29	472.60	479.81
Janesville-Beloit	43.9	41.2	41.2	12.46	11.38	12.13	546.99	468.86	499.76
Kenosha	39.2	(¹)	(¹)	11.97	(¹)	(¹)	469.22	(¹)	(¹)
La Crosse	40.1	39.3	39.9	9.06	\$9.04	\$9.36	363.31	\$355.27	\$373.46
Madison	40.8	41.0	40.6	9.74	9.69	9.69	397.39	397.29	393.41
Milwaukee	41.7	41.1	41.8	11.66	11.56	11.65	486.22	475.12	486.97
Racine	40.0	39.6	41.4	10.84	10.79	10.79	433.60	427.28	446.71
Sheboygan	40.1	(¹)	(¹)	9.36	(¹)	(¹)	375.34	(¹)	(¹)
Wausau	41.9	(¹)	(¹)	9.73	(¹)	(¹)	407.69	(¹)	(¹)
Wyoming	39.3	38.5	36.9	9.54	\$9.62	\$9.51	374.92	\$370.37	\$350.92
Puerto Rico	39.1	38.8	39.1	5.18	5.29	5.32	202.54	205.25	208.01
Virgin Islands	44.1	42.4	43.2	9.77	9.09	9.36	430.86	385.42	404.35

¹ Publication of data has been suspended because of budget cuts.

² Not available.

^P = preliminary.

NOTE: Area definitions are published annually in the May issue of this

publication. All State and area data have been adjusted to March 1985 benchmarks except Michigan. Data for Michigan have been adjusted to December 1984 benchmarks.

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-9. Hours of wage and salary workers in nonagricultural establishments by major industry, seasonally adjusted

Industry	Millions of hours (annual rate) ¹			Percent change		
	Oct. 1986 ^r	Nov. 1986 ^r	Dec. 1986 ^p	Dec. 1985 to Dec. 1986 ^p	Oct. 1986 to Nov. 1986 ^r	Nov. 1986 to Dec. 1986 ^p
Total	187,412	188,506	188,515	2.0	0.6	0.0
Private sector	153,765	154,556	154,364	1.8	.5	-.1
Mining	1,624	1,605	1,608	-20.9	-1.2	.1
Construction	9,770	9,670	9,711	4.9	-1.0	.4
Manufacturing	40,433	40,624	40,810	-.5	.5	.5
Durable goods	24,116	24,196	24,307	-1.5	.3	.5
Nondurable goods	16,317	16,428	16,504	1.1	.7	.5
Transportation and public utilities	10,815	10,967	10,908	.2	1.4	-.5
Wholesale trade	11,691	11,686	11,624	.3	.0	-.5
Retail trade	27,410	27,609	27,240	1.8	.7	-1.3
Finance, insurance, and real estate	12,200	12,304	12,288	5.5	.9	-.1
Services	39,821	40,091	40,175	4.6	.7	.2
Government	33,648	33,950	34,151	2.8	.9	.6

¹ Total hours paid for 1 week in the month, seasonally adjusted, multiplied by 52.

^p = preliminary.

= revised.

NOTE: 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.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-10. Indexes of productivity, hourly compensation, unit costs, and prices, seasonally adjusted

(1977=100)

Item	Annual average		Quarterly index										
	1984	1985	1984				1985				1986		
			I	II	III	IV	I	II	III	IV	I	II	III
Business sector													
Output per hour of all persons	105.3	106.4	104.9	105.6	105.5	105.5	105.7	106.4	107.3	106.4	107.3	107.4	107.4
Output	118.8	122.7	116.9	119.0	119.5	120.2	121.3	122.3	123.5	123.8	125.3	125.4	126.2
Hours	112.8	115.3	111.4	112.7	113.3	114.0	114.8	115.0	115.2	116.4	116.8	116.7	117.4
Compensation per hour	168.1	175.3	165.9	167.1	169.0	170.6	172.3	174.5	176.4	178.0	179.1	180.4	181.7
Real compensation per hour	98.1	98.8	98.1	97.9	98.1	98.2	98.4	98.7	99.1	99.0	99.2	100.3	100.4
Unit labor costs	159.7	164.8	158.2	158.3	160.2	161.7	163.1	164.0	164.4	167.3	167.0	168.0	169.1
Unit nonlabor payments	156.3	159.7	154.1	156.7	157.0	157.7	158.3	160.0	161.4	159.6	162.2	161.9	163.7
Implicit price deflator	158.5	163.0	156.7	157.7	159.0	160.3	161.4	162.6	163.4	164.6	165.3	165.8	167.2
Nonfarm business sector													
Output per hour of all persons	104.3	104.8	103.9	104.6	104.4	104.3	104.4	104.9	105.4	104.5	105.6	105.7	105.8
Output	118.8	122.5	116.9	119.1	119.5	120.2	121.1	122.1	123.3	123.6	125.1	125.3	126.2
Hours	114.0	116.9	112.5	113.8	114.5	115.2	116.0	116.4	116.9	118.2	118.5	118.5	119.3
Compensation per hour	167.9	174.6	165.6	166.9	168.7	170.4	172.1	174.0	175.4	177.0	178.3	179.3	180.4
Real compensation per hour	98.0	98.4	97.9	97.8	98.0	98.1	98.2	98.4	98.5	98.4	98.8	99.8	99.7
Unit labor costs	161.0	166.7	159.4	159.5	161.5	163.3	164.8	165.9	166.3	169.3	168.8	169.6	170.5
Unit nonlabor payments	156.1	160.6	153.2	156.4	157.2	157.9	158.9	160.8	163.0	160.3	163.9	163.7	165.9
Implicit price deflator	159.3	164.6	157.2	158.4	160.0	161.4	162.7	164.1	165.2	166.2	167.1	167.5	168.9
Manufacturing													
Output per hour of all persons	116.6	121.7	114.7	115.7	117.8	118.2	119.3	121.7	123.0	122.9	123.7	124.7	125.8
Output	116.0	120.4	113.4	115.3	117.4	117.9	118.8	119.9	121.2	121.9	122.8	122.7	123.6
Hours	99.5	98.9	98.8	99.7	99.7	99.7	99.6	98.5	98.5	99.1	99.3	98.4	98.2
Compensation per hour	168.2	176.7	165.4	166.8	169.1	171.5	173.8	175.6	178.1	179.3	180.2	181.4	182.5
Real compensation per hour	98.1	99.5	97.8	97.8	98.2	98.7	99.2	99.3	100.0	99.7	99.8	100.9	100.9
Unit labor costs	144.2	145.1	144.1	144.2	143.5	145.1	145.7	144.3	144.8	145.8	145.7	145.5	145.0
Durable goods													
Output per hour of all persons	116.7	124.6	114.0	115.4	118.3	119.1	121.4	124.4	126.3	126.4	127.1	127.4	128.4
Output	117.0	124.7	112.8	115.6	119.1	120.5	122.6	124.1	125.6	126.4	126.9	125.7	126.1
Hours	100.2	100.1	98.9	100.2	100.7	101.2	100.9	99.8	99.5	100.0	99.9	98.7	98.2
Compensation per hour	166.6	174.9	164.1	165.3	167.2	169.4	172.0	173.2	176.5	178.0	178.9	180.2	181.2
Real compensation per hour	97.2	98.5	97.1	96.9	97.1	97.5	98.2	97.9	99.2	98.9	99.1	100.2	100.2
Unit labor costs	142.7	140.3	144.0	143.3	141.4	142.3	141.6	139.2	139.8	140.8	140.8	141.4	141.2
Nondurable goods													
Output per hour of all persons	116.5	117.3	115.9	116.1	117.0	116.8	116.0	117.5	118.0	117.6	118.6	120.7	122.1
Output	114.5	114.1	114.2	114.9	114.8	114.0	113.2	113.6	114.5	115.1	116.7	118.2	119.9
Hours	98.3	97.3	98.6	99.0	98.1	97.6	97.6	96.7	97.0	97.9	98.3	97.9	98.2
Compensation per hour	170.8	179.4	167.5	169.2	171.9	174.6	176.5	179.4	180.4	181.3	182.2	183.5	184.7
Real compensation per hour	99.7	101.0	99.1	99.2	99.8	100.5	100.8	101.5	101.3	100.8	100.9	102.1	102.1
Unit labor costs	146.6	152.9	144.6	145.7	146.9	149.4	152.1	152.7	152.8	154.1	153.6	152.1	151.3
Nonfinancial corporations¹													
Output per all-employee hour	105.6	106.8	105.3	105.9	105.5	105.8	106.0	106.5	107.8	107.0	106.9	106.8	106.9
Output	120.4	124.8	118.2	120.5	120.9	122.1	123.1	124.2	126.0	126.1	126.9	126.6	127.0
Hours	114.0	116.9	112.3	113.7	114.6	115.5	116.1	116.6	116.8	117.8	118.7	118.5	118.8
Compensation per hour	165.9	172.3	163.6	164.8	166.6	168.3	169.9	171.6	173.1	174.5	175.4	176.1	176.8
Real compensation per hour	96.8	97.0	96.8	96.6	96.7	96.8	97.0	97.0	97.2	97.0	97.1	97.9	97.7
Total unit costs	161.5	165.8	159.4	160.1	162.6	163.8	164.9	165.8	165.0	167.2	168.3	168.6	169.8
Unit labor costs	157.0	161.2	155.4	155.7	157.9	159.1	160.3	161.1	160.5	163.0	164.0	164.8	165.4
Unit nonlabor costs	174.6	179.1	171.1	173.1	176.4	177.5	178.5	179.8	178.3	179.8	181.1	179.9	182.8
Unit profits	133.4	133.1	134.4	138.5	130.3	130.5	129.3	130.2	141.7	131.2	131.7	132.3	134.4
Implicit price deflator	158.1	161.8	156.4	157.5	158.7	159.8	160.6	161.6	162.2	162.9	164.0	164.3	165.6

¹ Measures for the third quarter of 1986 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

**PRODUCTIVITY DATA
SEASONALLY ADJUSTED**

C-11. Percent changes from the preceding quarter and year in productivity, hourly compensation, unit costs, and prices, seasonally adjusted annual rates

Item	Percent change from											
	Previous quarter						Same quarter, previous year					
	II 1985	III 1985	IV 1985	I 1986	II 1986	III 1986	II 1985	III 1985	IV 1985	I 1986	II 1986	III 1986
Business sector												
Output per hour of all persons	2.7	3.4	-3.2	3.3	0.5	0.2	0.8	1.7	0.9	1.5	1.0	0.2
Output	3.3	4.1	1.0	4.7	.3	2.5	2.8	3.4	3.0	3.3	2.5	2.1
Hours .....	.6	.7	4.3	1.4	-2	2.3	2.0	1.7	2.1	1.8	1.6	2.0
Compensation per hour	5.1	4.4	3.8	2.5	2.8	2.9	4.5	4.4	4.4	3.9	3.4	3.0
Real compensation per hour	1.0	1.8	-5	1.0	4.5	.3	.7	1.0	.8	.8	1.7	1.3
Unit labor costs	2.4	1.0	7.2	-7	2.3	2.7	3.6	2.6	3.4	2.4	2.4	2.8
Unit nonlabor payments	4.2	3.7	-4.3	6.6	-7	4.6	2.0	2.8	1.2	2.5	1.2	1.4
Implicit price deflator	3.0	1.9	3.0	1.8	1.2	3.4	3.1	2.7	2.7	2.4	2.0	2.3
Nonfarm business sector												
Output per hour of all persons	1.8	2.2	-3.5	4.3	.5	.2	.2	1.0	.2	1.2	.8	.3
Output	3.0	4.0	1.0	5.1	.6	3.0	2.5	3.1	2.8	3.3	2.7	2.4
Hours	1.2	1.8	4.6	.8	.1	2.8	2.3	2.1	2.6	2.1	1.8	2.1
Compensation per hour	4.6	3.2	3.7	3.1	2.3	2.3	4.2	4.0	3.9	3.6	3.1	2.9
Real compensation per hour .....	.5	.7	-6	1.6	4.0	-2	.5	.6	.3	.5	1.4	1.2
Unit labor costs	2.7	1.0	7.4	-1.2	1.8	2.2	4.0	3.0	3.7	2.5	2.2	2.5
Unit nonlabor payments	4.7	5.7	-6.6	9.3	-6	5.6	2.8	3.7	1.5	3.1	1.8	1.8
Implicit price deflator	3.4	2.6	2.4	2.3	1.0	3.3	3.6	3.2	2.9	2.7	2.1	2.3
Manufacturing												
Output per hour of all persons	8.2	4.4	-3	2.6	3.2	3.7	5.2	4.4	4.0	3.7	2.5	2.3
Output	3.7	4.3	2.4	3.0	-4	3.0	4.0	3.2	3.4	3.4	2.3	2.0
Hours	-4.2	-1	2.7	.4	-3.5	-6	-1.2	-1.2	-6	-3	-2	-3
Compensation per hour	4.3	5.6	2.8	2.1	2.7	2.4	5.3	5.3	4.5	3.7	3.3	2.5
Real compensation per hour .....	.3	3.0	-1.4	.6	4.4	-2	1.6	1.9	1.0	.6	1.6	.8
Unit labor costs	-3.6	1.2	3.0	-5	-5	-1.3	.1	.9	.5	.0	.8	.2
Durable goods												
Output per hour of all persons	10.2	6.1	.5	2.1	1.0	3.1	7.9	6.8	6.2	4.7	2.4	1.7
Output	5.1	4.9	2.7	1.5	-3.8	1.3	7.4	5.4	5.0	3.5	1.3	.4
Hours	-4.6	-1.1	2.2	-6	-4.8	-1.7	-4	-1.2	-1.1	-1.1	-1.1	-1.3
Compensation per hour	3.0	7.8	3.3	2.2	2.8	2.4	4.8	5.6	5.0	4.1	4.0	2.7
Real compensation per hour	-1.0	5.1	-9	.7	4.5	-1	1.1	2.1	1.5	.9	2.3	1.0
Unit labor costs	-6.6	1.6	2.8	.1	1.7	-6	-2.8	-1.1	-1.1	-6	1.6	1.0
Nondurable goods												
Output per hour of all persons	5.2	1.8	-1.4	3.5	7.0	4.8	1.2	.9	.7	2.2	2.7	3.4
Output	1.5	3.3	1.9	5.6	5.3	5.9	-1.1	-3	1.0	3.1	4.0	4.7
Hours	-3.5	1.5	3.4	2.0	-1.6	1.0	-2.3	-1.1	.3	.8	1.3	1.2
Compensation per hour	6.9	2.1	1.9	2.2	2.9	2.6	6.1	4.9	3.8	3.3	2.3	2.4
Real compensation per hour	2.8	-4	-2.3	.7	4.6	.1	2.3	1.5	.3	.2	.6	.7
Unit labor costs	1.7	.3	3.4	-1.3	-3.9	-2.1	4.8	4.0	3.1	1.0	-4	-1.0
Nonfinancial corporations¹												
Output per all-employee hour	2.2	4.9	-2.8	-5	-3	.3	.6	2.2	1.2	.9	.3	-.8
Output	3.7	5.9	.5	2.6	-1.1	1.4	3.1	4.2	3.3	3.2	2.0	.8
Hours	1.4	1.0	3.4	3.1	-8	1.1	2.5	2.0	2.1	2.2	1.7	1.7
Compensation per hour	4.2	3.4	3.3	2.0	1.6	1.8	4.1	3.9	3.7	3.2	2.6	2.2
Real compensation per hour .....	.2	.9	-9	.5	3.3	-7	.4	.5	.2	.2	.9	.5
Total unit costs	2.3	-1.9	5.5	2.7	.6	2.9	3.6	1.5	2.1	2.1	1.7	2.9
Unit labor costs	2.0	-1.4	6.3	2.5	1.9	1.5	3.5	1.6	2.4	2.3	2.3	3.0
Unit nonlabor costs	3.0	-3.3	3.3	3.1	-2.7	6.6	3.9	1.1	1.3	1.5	.0	2.5
Unit profits	3.0	40.1	-26.4	1.3	2.0	6.4	-5.9	8.7	.6	1.8	1.6	-5.2
Implicit price deflator	2.3	1.7	1.7	2.5	.7	3.2	2.6	2.2	2.0	2.1	1.7	2.0

¹ Measures for the third quarter of 1986 are preliminary.

SOURCE: Office of Productivity and Technology (202 523 9261).

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Alabama	1,813.4	1,910.5	1,900.6	147.2	181.6	185.2	8.1	9.5	9.7
Birmingham	419.8	449.6	448.9	26.8	37.6	37.4	6.4	8.4	8.3
Huntsville	119.8	127.5	127.1	6.9	9.7	9.5	5.8	7.6	7.5
Mobile	205.6	212.9	212.3	17.5	22.1	22.2	8.5	10.4	10.4
Montgomery	128.9	134.2	133.8	8.9	10.7	11.0	6.9	7.9	8.2
Tuscaloosa	65.9	70.1	69.9	4.1	5.0	5.2	6.2	7.2	7.4
Alaska	252.0	251.5	247.3	23.9	27.1	27.1	9.5	10.8	11.0
Arizona	1,515.5	1,600.1	1,615.9	94.7	110.8	113.7	6.2	6.9	7.0
Phoenix	938.1	995.1	1,005.0	47.6	57.8	59.3	5.1	5.8	5.9
Tucson	298.6	310.7	314.1	15.8	18.4	19.3	5.3	5.9	6.2
Arkansas	1,062.9	1,098.2	1,090.5	87.5	90.7	96.6	8.2	8.3	8.9
Fayetteville-Springdale	54.0	56.6	56.3	2.2	2.6	2.5	4.0	4.6	4.5
Fort Smith	84.9	87.9	87.7	6.3	6.5	6.0	7.4	7.4	6.9
Little Rock-North Little Rock	249.4	253.5	254.8	14.6	18.4	20.0	5.8	7.3	7.8
Pine Bluff	36.0	38.5	37.4	3.0	3.2	3.2	8.4	8.2	8.7
California ¹	12,955.9	13,445.7	13,464.6	856.2	829.4	879.8	6.6	6.2	6.5
Anaheim-Santa Ana	1,185.2	1,232.9	1,240.5	46.1	49.6	49.0	3.9	4.0	4.0
Bakersfield	213.5	213.5	214.2	24.0	27.2	28.4	11.2	12.7	13.2
Fresno	268.6	286.4	282.1	34.3	33.5	36.4	12.8	11.7	12.9
Los Angeles-Long Beach ¹	4,005.0	4,141.0	4,179.0	263.0	244.0	268.0	6.6	5.9	6.4
Modesto	140.5	148.1	147.7	18.5	18.3	20.4	13.2	12.3	13.8
Oakland	990.3	1,035.8	1,033.1	55.3	58.5	57.3	5.6	5.6	5.5
Oxnard-Ventura	309.0	322.9	324.8	21.9	22.7	23.5	7.1	7.0	7.2
Riverside-San Bernardino	785.6	825.7	831.8	51.1	54.8	53.1	6.5	6.6	6.4
Sacramento	631.8	659.5	659.3	39.4	37.6	40.0	6.2	5.7	6.1
Salinas-Seaside-Monterey	147.4	155.6	150.6	15.7	12.5	15.4	10.7	8.0	10.2
San Diego	977.4	1,013.1	1,014.9	46.3	51.3	51.5	4.7	5.1	5.1
San Francisco	863.5	880.9	881.0	36.9	36.8	37.1	4.3	4.2	4.2
San Jose	804.3	816.5	817.5	44.7	43.8	44.7	5.6	5.4	5.5
Santa Barbara-Santa Maria-Lompoc	170.1	176.4	175.7	8.6	8.2	9.6	5.1	4.6	5.5
Santa Rosa-Petaluma	173.6	180.4	177.5	9.5	9.1	9.4	5.5	5.1	5.3
Stockton	179.8	190.5	185.6	21.9	19.5	22.1	12.2	10.2	11.9
Vallejo-Fairfield-Napa	167.5	180.1	177.3	10.9	11.3	11.8	6.5	6.3	6.6
Colorado	1,734.3	1,713.6	1,714.4	104.9	123.5	130.8	6.0	7.2	7.6
Boulder-Longmont	132.6	133.0	132.7	7.3	7.4	7.5	5.5	5.6	5.7
Denver	921.3	903.2	904.1	47.2	62.1	65.0	5.1	6.9	7.2
Connecticut	1,728.6	1,782.5	1,783.6	73.1	59.2	60.2	4.2	3.3	3.4
Bridgeport-Milford	230.6	239.0	239.1	11.9	9.8	10.1	5.2	4.1	4.2
Hartford	410.2	425.9	426.6	15.3	12.8	12.8	3.7	3.0	3.0
New Britain	72.7	73.8	73.8	3.5	2.6	2.8	4.8	3.5	3.8
New Haven-Meriden	267.6	274.1	274.9	11.0	8.8	9.1	4.1	3.2	3.3
Stamford	116.6	120.6	121.1	3.7	3.0	2.9	3.2	2.5	2.4
Waterbury	104.3	103.9	104.2	6.0	4.7	5.0	5.7	4.6	4.8
Delaware	317.8	322.6	322.9	14.0	10.8	10.3	4.4	3.4	3.2
Wilmington	281.0	281.3	283.3	12.1	11.2	10.8	4.3	4.0	3.8
District of Columbia	322.6	320.0	323.1	25.8	25.8	25.5	8.0	8.1	7.9
Washington	2,015.3	2,075.5	2,076.6	74.7	73.8	73.4	3.7	3.6	3.5
Florida ¹	5,354.3	5,666.7	5,694.0	294.8	330.9	319.4	5.5	5.8	5.6
Daytona Beach	131.6	145.1	144.4	6.1	7.6	7.3	4.6	5.2	5.0
Fort Lauderdale-Hollywood-Pompano Beach	564.2	586.5	592.8	25.5	26.7	25.7	4.5	4.5	4.3
Fort Myers-Cape Coral	114.6	124.6	127.8	4.5	5.3	5.1	3.9	4.2	4.0
Gainesville	95.0	101.7	101.8	2.9	3.2	3.6	3.1	3.1	3.6
Jacksonville	404.7	437.1	439.8	19.9	23.4	23.7	4.9	5.4	5.4
Lakeland-Winter Haven	167.0	170.4	173.1	16.7	18.3	16.5	10.0	10.8	9.5
Melbourne-Titusville-Palm Bay	165.9	171.9	168.7	7.4	12.6	10.7	4.5	7.3	6.3
Miami-Hialeah	879.3	913.7	914.0	61.5	61.2	56.6	7.0	6.7	6.2
Orlando	483.4	529.0	533.1	21.4	24.9	25.8	4.4	4.7	4.8
Pensacola	137.5	145.5	145.7	7.2	8.8	9.7	5.2	6.0	6.6
Sarasota	101.2	107.7	108.5	3.8	4.2	4.1	3.7	3.9	3.7
Tallahassee	110.7	119.7	119.3	3.9	4.6	4.5	3.6	3.8	3.8
Tampa-St. Petersburg-Clearwater	874.6	920.8	922.8	39.6	47.2	48.9	4.5	5.1	5.3
West Palm Beach-Boca Raton-Delray Beach	349.3	372.1	377.9	19.2	23.7	19.2	5.5	6.4	5.1

See footnotes at end of table.

STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
Georgia	2,900.4	3,040.3	3,027.0	179.5	171.9	171.1	6.2	5.7	5.7
Albany	55.8	56.1	54.8	5.4	6.7	6.1	9.7	11.9	11.1
Athens	69.4	71.6	70.1	4.3	3.4	3.3	6.3	4.7	4.7
Atlanta	1,331.6	1,414.0	1,440.3	63.3	64.3	65.3	4.8	4.5	4.5
Augusta	165.9	169.5	168.1	9.8	9.9	10.3	5.9	5.8	6.1
Columbus	96.6	98.0	96.9	7.7	7.3	7.2	8.0	7.4	7.4
Macon-Warner Robins	125.1	126.8	124.8	8.3	7.3	7.2	6.6	5.8	5.7
Savannah	103.6	107.3	106.4	7.0	6.9	6.7	6.8	6.4	6.3
Hawaii	485.9	487.3	492.0	25.0	21.1	21.9	5.2	4.3	4.5
Honolulu	366.6	366.6	370.6	17.2	14.5	15.3	4.7	3.9	4.1
Idaho	468.0	488.8	474.9	34.2	34.6	38.1	7.3	7.1	8.0
Boise City	102.0	105.7	106.0	5.6	5.5	5.9	5.5	5.2	5.6
Illinois ¹	5,675.4	5,703.2	5,643.7	511.7	414.2	392.2	9.0	7.3	6.9
Aurora-Elgin	167.1	169.3	169.2	13.0	9.9	9.2	7.8	5.8	5.4
Bloomington-Normal	61.8	62.9	62.1	4.1	2.8	2.9	6.6	4.4	4.7
Champaign-Urbana-Rantoul	82.2	83.7	83.2	4.7	3.3	3.4	5.7	3.9	4.1
Chicago	3,104.7	3,131.8	3,109.6	254.1	215.6	199.6	8.2	6.9	6.4
Davenport-Rock Island-Moline	175.1	174.9	173.0	18.2	15.4	14.3	10.4	8.8	8.3
Decatur	58.3	58.6	57.2	6.6	5.7	5.2	11.2	9.7	9.2
Joliet	184.7	186.9	184.4	14.9	12.5	12.3	8.0	6.7	6.7
Kankakee	44.1	43.2	43.2	5.1	3.7	3.5	11.6	8.5	8.0
Lake County	252.0	257.4	255.7	15.3	12.1	11.4	6.1	4.7	4.5
Peoria	151.5	148.7	146.3	16.3	11.4	10.9	10.8	7.7	7.4
Rockford	141.8	143.1	141.4	14.3	12.2	11.4	10.1	8.5	8.1
Springfield	101.6	101.5	101.4	7.5	5.1	5.0	7.4	5.0	5.0
Indiana	2,772.8	2,838.1	2,814.5	200.0	174.8	169.1	7.2	6.2	6.0
Anderson	62.0	62.2	61.9	4.0	3.4	3.5	6.5	5.5	5.7
Elkhart-Goshen	90.0	92.0	91.4	6.0	4.1	3.8	6.7	4.5	4.2
Evansville	145.7	146.6	145.4	10.5	9.3	8.7	7.2	6.3	6.0
Fort Wayne	186.4	191.7	190.9	10.8	9.2	8.8	5.8	4.8	4.6
Gary-Hammond	267.0	269.8	265.5	28.9	34.0	31.0	10.8	12.6	11.7
Indianapolis	643.4	662.4	663.4	37.2	30.6	30.5	5.8	4.6	4.6
Lafayette	66.8	67.9	67.4	2.8	2.0	2.2	4.2	3.0	3.3
Muncie	60.9	61.0	61.0	4.9	3.8	4.0	8.0	6.3	6.6
South Bend-Mishawaka	127.8	129.5	129.3	7.8	6.2	6.3	6.1	4.8	4.9
Terre Haute	61.6	61.7	61.5	4.4	3.6	3.7	7.2	5.9	6.1
Iowa	1,416.8	1,448.7	1,446.1	104.1	84.6	85.7	7.4	5.8	5.9
Cedar Rapids	87.9	89.9	90.6	5.9	4.7	4.7	6.7	5.3	5.2
Des Moines	207.4	211.8	214.2	12.3	10.8	10.6	5.9	5.1	4.9
Dubuque	42.2	(²)	(²)	3.3	(²)	(²)	7.9	(²)	(²)
Iowa City	55.7	(²)	(²)	1.4	(²)	(²)	2.6	(²)	(²)
Sioux City	56.7	56.8	57.4	4.6	4.2	4.3	8.1	7.3	7.5
Waterloo-Cedar Falls	69.7	70.0	69.5	8.6	7.6	6.9	12.3	10.8	10.0
Kansas	1,255.0	1,235.7	1,240.1	59.7	67.5	66.7	4.8	5.5	5.4
Lawrence	38.1	(²)	(²)	1.4	(²)	(²)	3.7	(²)	(²)
Topeka	87.5	86.3	86.9	4.4	4.5	4.3	5.0	5.2	4.9
Wichita	226.7	223.5	225.9	11.8	14.1	13.3	5.2	6.3	5.9
Kentucky	1,709.9	1,734.5	1,717.0	153.4	119.7	135.4	9.0	6.9	7.9
Lexington-Fayette	182.0	184.1	180.7	9.2	7.5	8.4	5.0	4.1	4.6
Louisville	492.6	509.1	506.6	34.2	27.6	30.1	6.9	5.4	5.9
Owensboro	45.4	44.9	44.6	4.5	3.5	3.9	10.0	7.9	8.7
Louisiana	1,987.4	1,986.7	1,968.6	224.4	258.8	264.7	11.3	13.0	13.4
Alexandria	58.6	(²)	(²)	5.6	(²)	(²)	9.6	(²)	(²)
Baton Rouge	260.0	270.6	260.4	27.1	28.0	27.9	10.4	10.4	10.7
Houma-Thibodaux	79.0	75.9	75.6	8.8	14.4	14.6	11.2	19.0	19.3
Lafayette	110.5	106.8	105.8	10.1	16.4	16.4	9.2	15.3	15.5
Lake Charles	74.0	71.8	72.1	10.1	10.1	10.6	13.7	14.0	14.7
Monroe	68.6	68.6	68.9	6.6	7.0	7.4	9.6	10.2	10.8
New Orleans	605.5	591.2	592.9	63.4	65.9	66.1	10.5	11.1	11.1
Shreveport	167.9	163.1	164.7	17.6	19.2	21.2	10.5	11.8	12.9
Maine	556.7	567.0	558.6	26.0	23.6	24.5	4.7	4.2	4.4
Lewiston-Auburn	40.5	39.8	39.8	2.5	2.1	2.2	6.2	5.2	5.4
Portland	112.7	115.5	115.9	3.1	3.0	3.0	2.7	2.6	2.6
Maryland	2,281.7	2,373.0	2,371.1	100.1	102.6	108.8	4.4	4.3	4.6
Baltimore	1,118.6	1,151.9	1,151.0	57.9	57.8	60.5	5.2	5.0	5.3

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a	Nov. 1985	Oct. 1986	Nov. 1986 ^a
Massachusetts¹	3,054.7	3,063.7	3,079.4	109.1	103.5	112.4	3.6	3.4	3.6
Boston	1,517.9	1,521.3	1,533.8	47.2	44.2	46.8	3.1	2.9	3.1
Brockton	95.3	95.8	96.2	3.5	3.7	3.9	3.7	3.9	4.0
Fall River	77.0	74.9	76.6	4.6	3.8	4.5	6.0	5.0	5.9
Fitchburg-Leominster	46.6	46.7	47.1	1.8	2.1	2.3	3.8	4.6	5.0
Lawrence-Haverhill	187.5	185.8	186.9	8.2	8.2	8.5	4.4	4.4	4.6
Lowell	150.1	152.3	153.3	4.9	5.9	6.3	3.2	3.9	4.1
New Bedford	87.9	86.0	88.2	5.2	4.4	5.2	5.9	5.1	5.9
Pittsfield	40.1	40.9	40.8	1.5	1.4	1.7	3.7	3.3	4.1
Springfield	245.9	244.5	244.8	9.6	9.0	9.6	3.9	3.7	3.9
Worcester	203.8	203.2	204.7	6.8	6.7	7.2	3.3	3.3	3.5
Michigan¹	4,373.8	4,416.5	4,463.1	390.0	359.3	358.7	8.9	8.1	8.0
Ann Arbor	149.2	153.4	155.7	6.5	5.9	6.1	4.4	3.8	3.9
Battle Creek	63.1	(^b)	(^b)	6.5	(^b)	(^b)	10.3	(^b)	(^b)
Benton Harbor	75.3	(^b)	(^b)	6.9	(^b)	(^b)	9.2	(^b)	(^b)
Detroit	2,105.0	2,152.8	2,181.2	171.9	168.7	167.0	8.2	7.8	7.7
Flint	200.7	201.0	202.3	19.9	24.5	20.9	9.9	12.2	10.3
Grand Rapids	339.6	334.8	339.3	26.8	23.0	23.5	7.9	6.9	6.9
Jackson	62.7	(^b)	(^b)	6.2	(^b)	(^b)	9.9	(^b)	(^b)
Kalamazoo	111.3	112.2	113.0	7.0	6.2	6.0	6.3	5.5	5.3
Lansing-East Lansing	233.0	236.6	238.5	17.4	14.8	14.8	7.5	6.3	6.2
Muskegon	69.6	(^b)	(^b)	8.4	(^b)	(^b)	12.0	(^b)	(^b)
Saginaw-Bay City-Midland	183.4	183.4	186.0	18.4	17.1	17.4	10.0	9.3	9.4
Minnesota	2,246.3	2,254.5	2,255.7	129.2	97.6	115.3	5.8	4.3	5.1
Duluth	103.0	104.1	106.2	10.1	7.9	9.8	9.8	7.6	9.2
Minneapolis-St.Paul	1,324.2	1,341.5	1,348.7	58.9	50.8	53.7	4.5	3.8	4.0
Rochester	58.8	(^b)	(^b)	2.6	(^b)	(^b)	4.4	(^b)	(^b)
St. Cloud	85.4	89.5	90.0	6.5	4.0	5.8	7.6	4.5	6.4
Mississippi	1,123.7	1,171.9	1,161.9	102.7	129.8	133.1	9.1	11.1	11.5
Jackson	188.7	196.9	196.2	13.1	16.0	16.3	7.0	8.1	8.3
Missouri	2,506.0	2,587.1	2,544.0	159.5	161.5	153.0	6.4	6.2	6.0
Kansas City	822.2	808.4	807.8	38.8	37.2	36.6	4.7	4.6	4.5
St. Joseph	42.0	(^b)	(^b)	2.8	(^b)	(^b)	6.7	(^b)	(^b)
St. Louis	1,228.9	1,257.8	1,249.9	88.8	94.2	83.4	7.2	7.5	6.7
Springfield	116.9	121.3	120.5	5.8	5.7	5.8	5.0	4.7	4.8
Montana	399.8	400.0	402.8	28.7	26.3	33.3	7.2	6.6	8.3
Nebraska	818.7	806.0	813.5	47.9	34.3	40.9	5.8	4.2	5.0
Lincoln	119.2	114.5	115.7	4.6	3.3	3.7	3.9	2.9	3.2
Omaha	317.4	307.6	312.4	18.9	15.2	16.8	6.0	5.0	5.4
Nevada	518.2	534.0	533.7	42.5	28.1	29.1	8.2	5.3	5.4
Las Vegas	295.5	306.1	307.3	24.6	17.2	17.4	8.3	5.6	5.7
Reno	132.3	135.5	135.0	10.2	6.0	6.4	7.7	4.5	4.7
New Hampshire	552.4	562.7	559.2	17.1	13.6	14.0	3.1	2.4	2.5
Manchester	83.7	(^b)	(^b)	2.0	(^b)	(^b)	2.4	(^b)	(^b)
Nashua	90.9	89.4	90.0	3.0	2.4	2.2	3.3	2.7	2.4
New Jersey¹	3,867.4	3,874.1	3,902.2	216.9	186.8	159.0	5.6	4.8	4.1
Atlantic City	162.5	(^b)	(^b)	16.1	(^b)	(^b)	9.9	(^b)	(^b)
Bergen-Passaic	706.2	704.2	710.4	35.8	31.0	26.2	5.1	4.4	3.7
Jersey City	268.8	267.2	267.9	22.6	20.2	16.7	8.4	7.6	6.2
Middlesex-Somerset-Hunterdon	529.6	535.4	541.2	22.9	19.5	16.0	4.3	3.6	3.0
Monmouth-Ocean	439.5	451.7	453.6	20.9	17.4	15.3	4.8	3.8	3.4
Newark	964.7	952.5	962.0	57.7	49.5	42.1	6.0	5.2	4.4
Trenton	165.5	168.4	171.0	7.3	6.5	5.7	4.4	3.9	3.4
Vineland-Millville-Bridgeton	56.5	(^b)	(^b)	6.3	(^b)	(^b)	11.1	(^b)	(^b)
New Mexico	653.7	682.0	675.5	56.4	61.2	62.0	8.6	9.0	9.2
Albuquerque	243.5	259.5	257.8	16.2	17.3	17.1	6.7	6.6	6.6
Las Cruces	55.8	57.7	58.1	4.3	4.0	3.9	7.6	6.9	6.7
Santa Fe	60.1	62.7	62.0	3.2	3.3	3.5	5.3	5.3	5.7

See footnotes at end of table.

**STATE AND AREA LABOR FORCE DATA
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployed					
				Number			Percent of labor force		
	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P	Nov. 1985	Oct. 1986	Nov. 1986 ^P
New York ¹	8,517.9	8,442.2	8,406.8	517.2	468.5	449.6	6.1	5.5	5.3
Albany-Schenectady-Troy	409.0	410.7	406.4	19.7	18.8	18.7	4.8	4.6	4.6
Binghamton	128.3	125.2	124.7	7.7	6.0	6.1	6.0	4.8	4.9
Buffalo	442.4	441.9	440.2	29.9	26.7	27.2	6.8	6.1	6.2
Elmira	40.4	40.0	40.5	3.1	2.1	2.2	7.6	5.4	5.5
Glens Falls	50.2	50.6	49.5	3.9	3.0	3.7	7.7	6.0	7.5
Nassau-Suffolk	1,410.3	1,421.6	1,412.6	58.6	54.3	53.3	4.2	3.8	3.8
New York	3,977.4	3,890.2	3,895.8	266.1	243.8	217.3	6.7	6.3	5.6
New York City ¹	3,314.0	3,230.0	3,230.0	243.0	224.0	198.0	7.3	6.9	6.1
Orange County	123.8	125.0	123.6	6.1	5.4	5.4	4.9	4.3	4.4
Poughkeepsie	127.9	126.8	126.0	4.6	3.9	4.1	3.6	3.1	3.3
Rochester	498.5	499.2	494.6	24.9	24.7	26.7	5.0	4.9	5.4
Syracuse	315.6	317.7	314.8	18.8	21.3	21.0	5.9	6.7	6.7
Utica-Rome	136.5	133.8	132.1	10.1	7.8	7.9	7.4	5.8	6.0
North Carolina ¹	3,190.4	3,199.7	3,194.1	153.0	162.5	173.1	4.8	5.1	5.4
Asheville	86.6	86.4	85.3	3.7	4.6	4.6	4.2	5.3	5.4
Charlotte-Gastonia-Rock Hill	591.6	594.8	596.5	26.1	26.0	28.8	4.4	4.4	4.8
Greensboro-Winston-Salem-High Point	511.5	506.6	504.9	22.3	22.7	22.8	4.4	4.5	4.5
Raleigh-Durham	388.1	386.4	386.1	9.7	12.8	13.9	2.5	3.3	3.6
North Dakota ..	323.5	325.6	317.7	18.6	14.8	19.5	5.7	4.6	6.1
Bismarck	44.1	43.0	43.2	3.3	2.2	2.7	7.4	5.1	6.3
Fargo-Moorhead	81.8	82.1	83.0	3.1	1.8	2.8	3.8	2.2	3.4
Grand Forks	34.7	34.8	35.1	1.1	1.0	1.3	3.2	2.8	3.7
Ohio ¹	5,199.8	5,258.6	5,279.3	466.2	407.9	387.9	9.0	7.8	7.3
Akron	322.1	325.2	328.3	28.9	24.4	23.3	9.0	7.5	7.1
Canton	193.5	(²)	(²)	21.5	(²)	(²)	11.1	(²)	(²)
Cincinnati	718.3	733.3	736.9	50.0	43.3	42.5	7.0	5.9	5.8
Cleveland	928.8	934.1	935.3	76.5	70.1	61.9	8.2	7.5	6.6
Columbus	667.2	694.6	698.6	44.7	40.3	38.8	6.7	5.8	5.6
Dayton-Springfield	456.4	462.9	466.8	34.2	29.2	28.2	7.5	6.3	6.1
Toledo	301.7	308.4	310.4	23.6	24.3	22.6	7.8	7.9	7.3
Youngstown-Warren	223.3	(²)	(²)	25.9	(²)	(²)	11.6	(²)	(²)
Oklahoma ..	1,567.5	1,597.9	1,591.2	110.8	127.4	120.7	7.1	8.0	7.6
Enid	31.2	(²)	(²)	2.1	(²)	(²)	6.8	(²)	(²)
Lawton	46.8	47.2	47.3	2.4	2.4	2.3	5.1	5.1	4.9
Oklahoma City	513.4	509.9	510.9	30.0	33.6	31.9	5.8	6.6	6.3
Tulsa	343.8	356.2	355.8	25.5	29.9	27.7	7.4	8.4	7.8
Oregon ..	1,341.6	1,401.1	1,403.2	114.8	100.0	104.3	8.6	7.1	7.4
Eugene-Springfield	131.7	139.3	139.0	11.0	9.9	9.8	8.4	7.1	7.1
Portland	609.4	632.0	637.2	43.7	41.7	41.8	7.2	6.6	6.6
Salem	121.8	132.5	131.7	9.8	8.8	9.8	8.1	6.7	7.5
Pennsylvania ¹	5,489.0	5,611.4	5,561.3	415.6	322.5	332.0	7.6	5.7	6.0
Allentown-Bethlehem	312.0	312.2	309.6	25.7	17.5	17.4	8.2	5.6	5.6
Altoona	57.4	58.1	58.3	5.6	3.9	4.5	9.8	6.7	7.8
Beaver County	67.4	65.6	64.9	10.7	7.2	7.1	15.8	11.0	10.9
Erie	124.7	129.4	127.8	10.2	9.8	9.8	8.2	7.6	7.7
Harrisburg-Lebanon-Carlisle	294.0	302.6	300.1	15.8	11.2	10.9	5.4	3.7	3.6
Johnstown	94.0	92.6	92.1	11.8	7.1	7.8	12.5	7.7	8.5
Lancaster	197.1	209.5	205.9	7.4	5.6	5.7	3.7	2.7	2.7
Philadelphia	2,294.6	2,355.4	2,344.5	125.7	110.3	106.6	5.5	4.7	4.5
Pittsburgh	955.5	966.5	964.4	82.6	68.0	70.2	8.6	7.0	7.3
Reading	164.2	167.4	166.5	10.8	7.4	7.6	6.6	4.4	4.5
Scranton-Wilkes-Barre	330.9	339.9	335.5	30.0	23.3	24.5	9.1	6.9	7.3
Sharon	49.3	50.2	49.1	4.5	3.9	4.0	9.2	7.8	8.1
State College	56.0	58.4	57.4	4.6	3.0	3.2	8.2	5.2	5.5
Williamsport	54.3	55.8	55.2	4.4	3.1	3.5	8.1	5.6	6.3
York	200.3	206.2	202.8	12.2	8.0	8.8	6.1	3.9	4.3
Rhode Island ..	504.0	512.0	513.4	19.7	17.1	19.3	3.9	3.3	3.8
Pawtucket-Woonsocket-Attleboro	165.7	166.0	166.5	7.2	6.5	7.2	4.4	3.9	4.3
Providence	327.9	332.4	333.9	12.4	11.0	12.2	3.8	3.3	3.7
South Carolina ..	1,574.7	1,650.5	1,639.5	100.0	89.9	92.1	6.4	5.4	5.6
Charleston	209.7	227.0	226.7	8.7	10.0	9.8	4.1	4.4	4.3
Columbia	214.6	230.2	231.1	7.9	7.8	8.0	3.7	3.4	3.5
Greenville-Spartanburg	311.9	325.6	324.6	17.2	14.5	14.7	5.5	4.5	4.5
South Dakota ..	343.7	352.9	349.4	20.9	14.9	20.6	6.1	4.2	5.9
Rapid City	38.2	39.5	39.6	2.4	1.9	2.2	6.3	4.9	5.6
Sioux Falls	69.0	69.8	71.4	3.9	2.5	3.9	5.6	3.6	5.5

See footnotes at end of table.

Annual Averages

**HOUSEHOLD DATA
ANNUAL AVERAGES**

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

(Numbers in thousands)

Year	Civilian noninstitutional population	Civilian labor force							Not in labor force
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over									
1929	(¹)	49,180	(¹)	47,630	10,450	37,180	1,550	3.2	(¹)
1930	(¹)	49,820	(¹)	45,480	10,340	35,140	4,340	8.7	(¹)
1931	(¹)	50,420	(¹)	42,400	10,290	32,110	8,020	15.9	(¹)
1932	(¹)	51,000	(¹)	38,940	10,170	28,770	12,060	23.6	(¹)
1933	(¹)	51,590	(¹)	38,760	10,090	28,670	12,830	24.9	(¹)
1934	(¹)	52,230	(¹)	40,890	9,900	30,990	11,340	21.7	(¹)
1935	(¹)	52,870	(¹)	42,260	10,110	32,150	10,610	20.1	(¹)
1936	(¹)	53,440	(¹)	44,410	10,000	34,410	9,030	16.9	(¹)
1937	(¹)	54,000	(¹)	46,300	9,820	36,480	7,700	14.3	(¹)
1938	(¹)	54,610	(¹)	44,220	9,690	34,530	10,390	19.0	(¹)
1939	(¹)	55,230	(¹)	45,750	9,610	36,140	9,480	17.2	(¹)
1940	99,840	55,640	55.7	47,520	9,540	37,980	8,120	14.6	44,200
1941	99,900	55,910	56.0	50,350	9,100	41,250	5,560	9.9	43,990
1942	98,640	56,410	57.2	53,750	9,250	44,500	2,660	4.7	42,230
1943	94,640	55,540	58.7	54,470	9,080	45,390	1,070	1.9	39,100
1944	93,220	54,630	58.6	53,960	8,950	45,010	670	1.2	38,590
1945	94,090	53,860	57.2	52,820	8,580	44,240	1,040	1.9	40,230
1946	103,070	57,520	55.8	55,250	8,320	46,930	2,270	3.9	45,550
1947	106,018	60,168	56.8	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over									
1947	101,827	59,350	58.3	57,038	7,890	49,148	2,311	3.9	42,477
1948	103,068	60,621	58.8	58,343	7,629	50,714	2,276	3.8	42,447
1949	103,994	61,286	58.9	57,651	7,658	49,993	3,637	5.9	42,708
1950	104,995	62,208	59.2	58,918	7,160	51,758	3,288	5.3	42,787
1951	104,621	62,017	59.2	59,961	6,726	53,235	2,055	3.3	42,604
1952	105,231	62,138	59.0	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	107,056	63,015	58.9	61,179	6,260	54,919	1,834	2.9	44,041
1954	108,321	63,643	58.8	60,109	6,205	53,904	3,532	5.5	44,678
1955	109,683	65,023	59.3	62,170	6,450	55,722	2,852	4.4	44,660
1956	110,954	66,552	60.0	63,799	6,283	57,514	2,750	4.1	44,402
1957	112,265	66,929	59.6	64,071	5,947	58,123	2,859	4.3	45,336
1958	113,727	67,639	59.5	63,036	5,586	57,450	4,602	6.8	46,088
1959	115,329	68,369	59.3	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	117,245	69,628	59.4	65,778	5,458	60,318	3,852	5.5	47,617
1961	118,771	70,459	59.3	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	120,153	70,614	58.8	66,702	4,944	61,759	3,911	5.5	49,539
1963	122,416	71,833	58.7	67,762	4,687	63,076	4,070	5.7	50,583
1964	124,485	73,091	58.7	69,305	4,523	64,782	3,786	5.2	51,394
1965	126,513	74,455	58.9	71,088	4,361	66,726	3,366	4.5	52,058
1966	128,058	75,770	59.2	72,895	3,979	68,915	2,875	3.8	52,288
1967	129,874	77,347	59.6	74,372	3,844	70,527	2,975	3.8	52,527
1968	132,028	78,737	59.6	75,920	3,817	72,103	2,817	3.6	53,291
1969	134,335	80,734	60.1	77,902	3,606	74,296	2,832	3.5	53,602
1970	137,085	82,771	60.4	78,678	3,463	75,215	4,093	4.9	54,315
1971	140,216	84,382	60.2	79,367	3,394	75,972	5,016	5.9	55,834
1972 ²	144,126	87,034	60.4	82,153	3,484	78,669	4,882	5.6	57,091
1973 ²	147,096	89,429	60.8	85,064	3,470	81,594	4,365	4.9	57,667
1974	150,120	91,949	61.3	86,794	3,515	83,279	5,156	5.6	58,171
1975	153,153	93,775	61.2	85,846	3,408	82,438	7,929	8.5	59,377
1976	156,150	96,158	61.6	88,752	3,331	85,421	7,406	7.7	59,991
1977	159,033	99,009	62.3	92,017	3,283	88,734	6,991	7.1	60,025
1978 ²	161,910	102,251	63.2	96,048	3,387	92,661	6,202	6.1	59,659
1979	164,863	104,962	63.7	96,824	3,347	95,477	6,137	5.8	59,900
1980	167,745	106,940	63.8	99,303	3,364	95,938	7,637	7.1	60,806
1981	170,130	108,670	63.9	100,397	3,368	97,030	8,273	7.6	61,460
1982	172,271	110,204	64.0	99,526	3,401	96,125	10,678	9.7	62,067
1983	174,215	111,550	64.0	100,834	3,383	97,450	10,717	9.6	62,665
1984	176,383	113,544	64.4	105,005	3,321	101,685	8,539	7.5	62,839
1985	178,206	115,461	64.8	107,150	3,179	103,971	8,312	7.2	62,744
1986 ²	180,587	117,834	65.3	109,597	3,163	106,434	8,237	7.0	62,752

¹ Not available.

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

"Historical Comparability" under the Household Data section of the Explanatory Notes.

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

(Numbers in thousands)

Age and sex	1986								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL									
16 years and over	25,155	16,034	63.7	13,937	205	13,732	2,097	13.1	9,121
16 to 19 years	2,617	1,064	40.7	681	11	670	383	36.0	1,553
16 to 17 years	1,349	392	29.1	237	5	231	156	39.7	957
18 to 19 years	1,267	672	53.0	444	5	439	228	33.9	595
20 to 24 years	3,216	2,265	70.4	1,763	27	1,736	502	22.2	951
25 to 54 years	14,072	11,116	79.0	10,000	123	9,877	1,116	10.0	2,956
25 to 34 years	6,439	5,094	79.1	4,455	49	4,406	639	12.5	1,345
25 to 29 years	3,342	2,619	78.4	2,255	25	2,230	364	13.9	724
30 to 34 years	3,097	1,328	42.9	2,201	25	2,176	275	20.7	621
35 to 44 years	4,488	3,661	81.6	3,346	41	3,305	315	8.6	827
35 to 39 years	2,588	2,125	82.1	1,923	24	1,899	202	9.5	464
40 to 44 years	1,900	1,536	80.8	1,423	17	1,406	113	7.4	363
45 to 54 years	3,145	2,360	75.1	2,199	33	2,166	161	6.8	784
45 to 49 years	1,679	1,318	78.5	1,223	17	1,207	95	7.2	361
50 to 54 years	1,465	1,043	71.2	976	17	960	66	6.3	423
55 to 64 years	2,534	1,312	51.8	1,229	30	1,199	82	6.3	1,223
55 to 59 years	1,343	836	62.3	779	16	762	57	6.9	507
60 to 64 years	1,191	475	39.9	450	14	437	25	5.2	716
65 years and over	2,717	278	10.2	265	14	250	13	4.7	2,439
65 to 69 years	1,011	180	17.8	170	7	162	10	5.6	831
70 years and over	1,706	98	5.7	95	6	88	9	9.2	1,608
Men									
16 years and over	11,407	8,204	71.9	7,107	171	6,936	1,097	13.4	3,203
16 to 19 years	1,297	560	43.2	356	10	347	203	36.3	737
16 to 17 years	684	205	30.0	127	4	122	78	38.2	479
18 to 19 years	613	355	57.8	230	5	224	125	35.2	259
20 to 24 years	1,496	1,163	77.8	909	23	886	254	21.8	333
25 to 54 years	6,361	5,639	88.7	5,059	99	4,961	580	10.3	722
25 to 34 years	2,934	2,614	89.1	2,301	39	2,263	313	12.0	320
25 to 29 years	1,521	1,360	89.4	1,186	20	1,166	174	12.8	161
30 to 34 years	1,413	1,255	88.8	1,116	19	1,097	139	11.1	158
35 to 44 years	2,019	1,822	90.2	1,646	32	1,614	176	9.7	197
35 to 39 years	1,159	1,051	90.7	941	20	921	110	10.5	108
40 to 44 years	860	771	89.6	705	12	693	66	8.5	89
45 to 54 years	1,408	1,203	85.4	1,112	28	1,084	91	7.6	205
45 to 49 years	758	667	88.0	615	14	601	52	7.9	91
50 to 54 years	649	536	82.5	497	14	483	39	7.2	114
55 to 64 years	1,136	695	61.1	642	26	616	53	7.6	441
55 to 59 years	612	446	72.9	409	13	395	37	8.3	166
60 to 64 years	524	249	47.4	233	12	220	16	6.4	275
65 years and over	1,118	148	13.3	141	14	127	7	5.0	970
65 to 69 years	447	100	22.4	93	7	86	6	6.5	347
70 years and over	672	49	7.2	48	6	41	1	2.1	623
Women									
16 years and over	13,747	7,829	57.0	6,830	35	6,795	999	12.8	5,918
16 to 19 years	1,320	504	38.2	324	1	323	180	35.7	815
16 to 17 years	666	187	28.1	110	1	109	77	41.3	479
18 to 19 years	654	317	48.5	214	-	214	103	32.4	337
20 to 24 years	1,720	1,102	64.1	853	4	849	249	22.6	618
25 to 54 years	7,711	5,477	71.0	4,941	24	4,916	536	9.8	2,234
25 to 34 years	3,505	2,480	70.8	2,153	10	2,143	326	13.2	1,025
25 to 29 years	1,821	1,259	69.1	1,069	5	1,064	190	15.1	563
30 to 34 years	1,684	1,221	72.5	1,085	6	1,079	136	11.2	463
35 to 44 years	2,469	1,839	74.5	1,700	9	1,691	139	7.6	630
35 to 39 years	1,429	1,074	75.1	982	4	978	92	8.6	356
40 to 44 years	1,040	765	73.6	718	5	713	47	6.2	274
45 to 54 years	1,737	1,158	66.7	1,088	5	1,082	70	6.0	579
45 to 49 years	921	651	70.7	608	3	606	43	6.5	270
50 to 54 years	816	507	62.1	479	3	477	27	5.4	309
55 to 64 years	1,398	617	44.1	588	4	583	29	4.7	781
55 to 59 years	731	390	53.4	370	3	367	20	5.2	341
60 to 64 years	667	227	34.0	218	1	216	9	4.0	441
65 years and over	1,598	129	8.1	124	1	123	6	4.4	1,469
65 to 69 years	564	80	14.2	77	1	76	4	4.8	484
70 years and over	1,034	49	4.7	47	1	47	2	3.8	985

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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	1985	1986	1985	1986	1985	1986	1985	1986
TOTAL								
Civilian noninstitutional population	178,206	180,587	77,195	78,523	86,506	87,567	14,506	14,496
Civilian labor force	115,461	117,834	60,277	61,320	47,283	48,589	7,901	7,926
Percent of population	64.8	65.3	78.1	78.1	54.7	55.5	54.5	54.7
Employed	107,150	109,597	56,562	57,569	44,154	45,556	6,434	6,472
Agriculture	3,179	3,163	2,278	2,292	596	614	305	258
Nonagricultural industries	103,971	106,434	54,284	55,277	43,558	44,943	6,129	6,215
Unemployed	8,312	8,237	3,715	3,751	3,129	3,032	1,468	1,454
Unemployment rate	7.2	7.0	6.2	6.1	6.6	6.2	18.6	18.3
Not in labor force	62,744	62,752	16,918	17,203	39,222	38,979	6,604	6,570
White								
Civilian noninstitutional population	153,679	155,432	67,386	68,413	74,394	75,140	11,900	11,879
Civilian labor force	99,926	101,801	52,895	53,675	40,190	41,264	6,841	6,862
Percent of population	65.0	65.5	78.5	78.5	54.0	54.9	57.5	57.8
Employed	93,736	95,660	50,061	50,818	37,907	39,050	5,768	5,792
Agriculture	2,936	2,958	2,085	2,131	566	580	285	247
Nonagricultural industries	90,799	92,703	47,976	48,687	37,341	38,471	5,483	5,545
Unemployed	6,191	6,140	2,834	2,857	2,283	2,213	1,074	1,070
Unemployment rate	6.2	6.0	5.4	5.3	5.7	5.4	15.7	15.6
Not in labor force	53,753	53,631	14,490	14,738	34,204	33,876	5,058	5,017
Black								
Civilian noninstitutional population	19,664	19,989	7,731	7,907	9,773	9,945	2,160	2,137
Civilian labor force	12,364	12,654	5,749	5,915	5,727	5,855	889	883
Percent of population	62.9	63.3	74.4	74.8	58.6	58.9	41.2	41.3
Employed	10,501	10,814	4,992	5,150	4,977	5,128	532	536
Agriculture	189	155	154	125	19	22	16	8
Nonagricultural industries	10,312	10,659	4,837	5,025	4,959	5,106	516	529
Unemployed	1,864	1,840	757	765	750	728	357	347
Unemployment rate	15.1	14.5	13.2	12.9	13.1	12.4	40.2	39.3
Not in labor force	7,299	7,335	1,982	1,991	4,046	4,090	1,271	1,254

6. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	Percent of labor force
TOTAL ENROLLED										
Total, 16 to 24 years	12,555	5,982	47.6	5,177	1,011	4,166	805	150	655	13.5
16 to 19 years	8,751	3,774	43.1	3,144	308	2,837	629	87	542	16.7
20 to 24 years	3,804	2,208	58.1	2,033	704	1,329	176	62	113	8.0
High school	6,640	2,728	41.1	2,206	148	2,058	522	72	450	19.1
College	5,916	3,254	55.0	2,971	863	2,108	283	77	205	8.7
Full-time students	4,998	2,435	48.7	2,199	367	1,833	235	54	181	9.7
Part-time students	918	819	89.3	772	497	275	48	23	24	5.8
Men, 16 to 24 years	6,398	3,001	46.9	2,571	538	2,033	430	79	352	14.3
16 to 19 years	4,440	1,892	42.6	1,558	170	1,388	334	45	289	17.6
20 to 24 years	1,958	1,110	56.7	1,013	367	646	97	34	63	8.7
High school	3,486	1,437	41.2	1,151	95	1,056	286	39	246	19.9
College	2,912	1,564	53.7	1,419	442	977	145	39	106	9.2
Full-time students	2,498	1,186	47.5	1,063	200	863	123	28	95	10.4
Part-time students	415	379	91.3	357	242	115	22	11	10	5.7
Women, 16 to 24 years	6,157	2,981	48.4	2,606	474	2,133	374	71	303	12.6
16 to 19 years	4,311	1,882	43.7	1,587	137	1,449	296	42	253	15.7
20 to 24 years	1,846	1,099	59.5	1,020	336	684	79	29	50	7.2
High school	3,154	1,291	40.9	1,055	53	1,002	236	33	204	18.3
College	3,003	1,690	56.3	1,552	421	1,131	138	38	100	8.2
Full-time students	2,500	1,249	50.0	1,137	167	970	112	26	86	9.0
Part-time students	503	441	87.6	415	254	160	26	12	14	5.9
White										
Total, 16 to 24 years	10,267	5,213	50.8	4,620	890	3,730	593	102	492	11.4
16 to 19 years	7,112	3,302	46.4	2,834	274	2,559	469	59	410	14.2
20 to 24 years	3,155	1,911	60.6	1,786	616	1,170	125	43	81	6.5
Men	5,265	2,621	49.8	2,297	473	1,824	324	53	271	12.4
Women	5,002	2,592	51.8	2,323	417	1,906	270	49	221	10.4
High school	5,301	2,375	44.8	1,991	131	1,859	384	46	337	16.2
College	4,966	2,839	57.2	2,629	759	1,870	210	55	154	7.4
Full-time students	4,182	2,130	50.9	1,955	324	1,631	175	38	137	8.2
Part-time students	783	708	90.4	674	434	239	35	17	17	4.9
Black										
Total, 16 to 24 years	1,740	581	33.4	397	91	306	184	40	144	31.7
16 to 19 years	1,302	376	28.9	232	26	206	144	25	119	38.2
20 to 24 years	438	205	46.7	164	65	100	41	15	26	19.8
Men	848	283	33.3	192	47	145	91	20	71	32.1
Women	892	298	33.4	205	44	161	94	20	74	31.4
High school	1,077	292	27.1	168	14	154	125	23	102	42.6
College	663	289	43.6	229	77	152	60	17	43	20.7
Full-time students	566	209	36.9	160	33	127	49	13	36	23.6
Part-time students	97	80	82.4	69	44	25	11	4	6	13.2
Hispanic origin										
Total, 16 to 24 years	984	370	37.6	303	77	227	67	13	54	18.0
16 to 19 years	714	207	29.1	158	21	137	50	6	43	24.0
20 to 24 years	270	163	60.1	146	56	89	17	6	11	10.4
Men	500	203	40.7	164	45	119	39	8	31	19.3
Women	484	167	34.5	139	32	107	27	4	23	16.5
High school	619	167	26.9	125	17	108	42	7	35	25.1
College	365	203	55.7	179	60	119	25	5	20	12.2
Full-time students	285	135	47.3	114	22	92	21	3	17	15.3
Part-time students	80	69	85.6	64	38	27	4	2	2	6.3

See footnotes at end of table.

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6. Employment status of the civilian noninstitutional population 16 to 24 years of age by school enrollment, years of school completed, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Employment status, years of school completed, race, and Hispanic origin	1986									
	Civilian noninstitutional population	Civilian labor force								
		Total	Percent of population	Employed			Unemployed			Percent of labor force
				Total	Full time ¹	Part time ¹	Total	Looking for full-time work	Looking for part-time work	
TOTAL NOT ENROLLED										
Total, 16 to 24 years	21,510	17,385	80.8	15,085	12,281	2,804	2,300	1,990	310	13.2
16 to 19 years	5,745	4,152	72.3	3,328	2,092	1,235	824	646	179	19.9
20 to 24 years	15,765	13,233	83.9	11,757	10,189	1,568	1,475	1,344	131	11.1
Less than 4 years of high school	5,689	3,648	64.1	2,789	1,910	879	859	704	155	23.6
4 years of high school	10,404	8,801	84.6	7,710	6,414	1,296	1,091	977	114	12.4
1 to 3 years of college	3,786	3,385	89.4	3,127	2,622	506	257	222	36	7.6
4 years of college or more	1,630	1,550	95.1	1,458	1,335	123	92	87	5	5.9
Men, 16 to 24 years	10,374	9,249	89.2	8,002	6,879	1,123	1,247	1,130	118	13.5
16 to 19 years	2,834	2,210	78.0	1,765	1,197	567	445	364	82	20.2
20 to 24 years	7,540	7,039	93.4	6,237	5,681	555	802	766	36	11.4
Less than 4 years of high school	2,989	2,332	78.0	1,815	1,366	449	517	445	72	22.2
4 years of high school	4,970	4,635	93.2	4,069	3,620	449	566	533	32	12.2
1 to 3 years of college	1,705	1,596	93.6	1,473	1,289	184	123	111	12	7.7
4 years of college or more	710	685	96.6	644	603	42	41	39	2	6.0
Women, 16 to 24 years	11,136	8,136	73.1	7,083	5,402	1,681	1,052	860	192	12.9
16 to 19 years	2,910	1,942	66.7	1,563	895	668	379	282	97	19.5
20 to 24 years	8,225	6,194	75.3	5,521	4,507	1,013	673	578	95	10.9
Less than 4 years of high school	2,700	1,316	48.7	974	544	430	342	259	83	26.0
4 years of high school	5,434	4,166	76.7	3,641	2,793	848	525	443	82	12.6
1 to 3 years of college	2,081	1,788	85.9	1,654	1,333	322	134	111	23	7.5
4 years of college or more	921	865	93.9	814	733	81	51	48	3	5.9
White										
Total, 16 to 24 years	17,966	14,825	82.5	13,199	10,813	2,386	1,626	1,393	233	11.0
16 to 19 years	4,767	3,559	74.7	2,958	1,885	1,073	602	467	135	16.9
20 to 24 years	13,198	11,265	85.4	10,241	8,928	1,313	1,024	926	98	9.1
Men	8,714	7,907	90.7	7,009	6,077	932	897	808	89	11.3
Women	9,252	6,918	74.8	6,189	4,736	1,454	729	585	143	10.5
Less than 4 years of high school	4,602	3,069	66.7	2,447	1,689	758	622	507	114	20.3
4 years of high school	8,695	7,471	85.9	6,716	5,625	1,091	755	668	87	10.1
1 to 3 years of college	3,199	2,880	90.0	2,706	2,279	427	174	146	28	6.0
4 years of college or more	1,469	1,405	95.6	1,330	1,220	111	75	71	4	5.3
Black										
Total, 16 to 24 years	3,022	2,184	72.3	1,568	1,213	356	615	547	68	28.2
16 to 19 years	836	507	60.7	304	170	134	203	164	39	40.1
20 to 24 years	2,187	1,677	76.7	1,264	1,043	222	412	383	29	24.6
Men	1,397	1,133	81.1	818	660	159	314	291	24	27.8
Women	1,626	1,051	64.6	750	553	197	301	257	45	28.6
Less than 4 years of high school	935	499	53.4	282	179	103	217	181	36	43.5
4 years of high school	1,505	1,172	77.9	860	680	180	311	287	25	26.6
1 to 3 years of college	472	412	87.2	338	274	65	74	66	7	17.9
4 years of college or more	110	101	91.3	87	80	7	13	13	-	13.2
Hispanic origin										
Total, 16 to 24 years	2,217	1,615	72.9	1,357	1,141	217	258	229	28	15.9
16 to 19 years	588	364	61.9	272	191	82	91	75	16	25.1
20 to 24 years	1,628	1,251	76.8	1,085	950	135	166	154	12	13.3
Men	1,161	1,020	87.9	862	756	106	158	146	12	15.5
Women	1,055	595	56.3	495	385	110	100	83	16	16.7
Less than 4 years of high school	1,086	692	63.7	552	456	96	140	123	17	20.3
4 years of high school	839	671	79.9	573	486	87	98	89	9	14.6
1 to 3 years of college	236	203	85.8	185	156	30	17	15	2	8.5
4 years of college or more	55	49	89.7	47	43	5	2	2	-	4.6

¹ Employed persons with a job but not at work and persons at work part time are distributed according to whether they usually work full or part time.

NOTE: In the summer months, the educational attainment levels of youth not enrolled in school are increased by the temporary movement of high school and

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

A-7. Employed and unemployed full- and part-time workers by sex, age, and race

(In thousands)

Sex, age, and race	1986							
	Employed						Unemployed	
	Full time			Part time			Looking for full-time work	Looking for part-time work
	Total	Full-time schedules ¹	Part time for economic reasons, usually work full time	Total	Voluntary ¹	Part time for economic reasons, usually work part time		
TOTAL								
Total, 16 years and over	90,529	88,789	1,740	19,069	15,221	3,848	6,708	1,529
16 to 19 years	2,400	2,270	130	4,073	3,451	622	733	721
16 to 17 years	415	389	26	2,207	1,999	208	191	473
18 to 19 years	1,985	1,881	104	1,865	1,451	414	541	248
20 years and over	88,130	86,519	1,611	14,996	11,770	3,226	5,976	808
20 to 24 years	10,892	10,594	298	2,898	2,127	771	1,407	244
25 years and over	77,236	75,923	1,313	12,099	9,643	2,456	4,569	563
25 to 54 years	66,276	65,150	1,126	8,735	6,671	2,064	4,129	422
55 years and over	10,959	10,773	186	3,364	2,972	392	439	141
Men, 16 years and over	54,685	53,644	1,041	6,207	4,658	1,549	3,916	614
16 to 19 years	1,367	1,288	79	1,955	1,656	299	408	371
20 years and over	53,317	52,356	961	4,252	3,002	1,250	3,508	243
20 to 24 years	6,050	5,868	182	1,201	861	340	800	99
25 years and over	47,267	46,488	779	3,052	2,142	910	2,709	145
25 to 54 years	40,231	39,562	669	1,680	926	754	2,415	78
55 years and over	7,037	6,927	110	1,371	1,215	156	293	67
Women, 16 years and over	35,845	35,145	700	12,862	10,563	2,299	2,792	915
16 to 19 years	1,033	982	51	2,118	1,795	323	324	350
20 years and over	34,812	34,163	649	10,744	8,768	1,976	2,468	565
20 to 24 years	4,844	4,727	117	1,696	1,266	430	607	145
25 years and over	29,967	29,436	531	9,048	7,502	1,546	1,861	419
25 to 54 years	26,044	25,588	456	7,055	5,745	1,310	1,714	344
55 years and over	3,923	3,848	75	1,993	1,757	236	147	75
White								
Men, 16 years and over	48,408	47,531	877	5,377	4,150	1,227	2,957	476
16 to 19 years	1,231	1,163	68	1,735	1,490	245	290	286
20 years and over	47,177	46,368	809	3,641	2,659	982	2,667	190
20 to 24 years	5,318	5,166	152	1,022	751	271	571	74
25 years and over	41,859	41,202	657	2,621	1,909	712	2,096	116
25 to 54 years	35,486	34,926	560	1,368	787	581	1,852	61
55 years and over	6,372	6,275	97	1,252	1,121	131	244	54
Women, 16 years and over	30,371	29,801	570	11,504	9,656	1,848	1,994	714
16 to 19 years	928	883	45	1,897	1,621	276	235	259
20 years and over	29,444	28,918	526	9,607	8,035	1,572	1,758	455
20 to 24 years	4,225	4,130	95	1,462	1,124	338	399	105
25 years and over	25,218	24,787	431	8,146	6,911	1,235	1,359	350
25 to 54 years	21,779	21,413	366	6,381	5,329	1,052	1,237	286
55 years and over	3,440	3,375	65	1,765	1,582	183	123	64
Black								
Men, 16 years and over	4,786	4,646	140	641	370	271	830	116
16 to 19 years	110	99	11	168	122	46	105	75
20 years and over	4,676	4,547	129	473	248	225	724	41
20 to 24 years	597	571	26	135	75	60	205	19
25 years and over	4,079	3,975	104	339	174	165	519	21
25 to 54 years	3,557	3,464	93	241	96	145	478	13
55 years and over	522	511	11	98	78	20	41	8
Women, 16 years and over	4,335	4,229	106	1,051	665	386	719	175
16 to 19 years	86	82	4	172	132	40	84	83
20 years and over	4,249	4,147	102	879	533	346	636	92
20 to 24 years	510	490	20	186	101	85	193	35
25 years and over	3,738	3,656	82	694	433	261	444	57
25 to 54 years	3,348	3,275	73	507	289	218	424	47
55 years and over	390	381	9	187	144	43	20	10

¹ Employed persons with a job but not at work are distributed according to whether they usually work full or part time.

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8. Employment status of persons in families by family relationship

(Numbers in thousands)

Family relationship	1986									
	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 ¹	96,304	65.8	89,478	6,826	7.1	50,115	24,041	6,863	2,026	17,185
Husbands	39,423	78.5	37,775	1,648	4.2	10,812	179	184	867	9,582
With employed wife	24,063	91.7	23,173	890	3.7	2,184	69	102	306	1,707
With unemployed wife	1,246	91.8	1,082	164	13.2	111	3	4	23	81
With wife not in labor force	14,114	62.4	13,520	593	4.2	8,517	107	78	539	7,793
Wives	27,605	55.0	26,247	1,357	4.9	22,631	19,007	324	304	2,995
With employed husband	24,255	64.2	23,173	1,082	4.5	13,520	12,215	267	96	942
With unemployed husband	1,055	64.0	890	164	15.6	593	526	18	11	38
With husband not in labor force	2,295	21.2	2,184	111	4.8	8,517	6,265	39	197	2,015
Relatives in married-couple families	13,818	64.6	12,084	1,734	12.5	7,572	815	4,554	290	1,913
16 to 19 years	5,291	54.9	4,478	814	15.4	4,347	144	3,476	12	715
20 to 24 years	5,199	78.4	4,636	563	10.8	1,436	145	946	34	312
25 years and over	3,327	65.0	2,970	357	10.7	1,789	526	132	244	886
Women who maintain families	6,394	61.7	5,763	631	9.9	3,970	2,871	157	167	775
Relatives in families maintained by women	5,547	61.1	4,483	1,065	19.2	3,534	765	1,350	269	1,150
16 to 19 years	1,463	50.3	1,052	412	28.1	1,446	87	1,075	7	278
20 to 24 years	1,666	75.6	1,348	318	19.1	537	121	216	20	180
25 years and over	2,418	60.9	2,083	335	13.9	1,551	557	59	242	692
Men who maintain families	1,933	76.7	1,777	156	8.1	589	43	30	64	452
Relatives in families maintained by men	1,584	61.1	1,349	235	14.9	1,007	361	264	65	317
16 to 19 years	296	52.8	225	71	24.1	265	24	192	-	48
20 to 24 years	455	77.8	384	70	15.5	130	35	54	3	38
25 years and over	834	57.7	740	94	11.3	612	302	18	62	231

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies.

NOTE: Estimates shown in this table for husbands, wives, and women

who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

9. Unemployed persons by marital status, race, age, and sex

Marital status, race, and age	Men				Women			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	4,521	4,530	7.0	6.9	3,791	3,707	7.4	7.1
Married, spouse present	1,767	1,819	4.3	4.4	1,558	1,479	5.6	5.2
Widowed, divorced, or separated	568	565	9.2	8.8	828	787	8.3	7.7
Single (never married)	2,186	2,146	12.7	12.2	1,404	1,442	10.7	10.7
White, 16 years and over	3,426	3,433	6.1	6.0	2,765	2,708	6.4	6.1
Married, spouse present	1,462	1,503	4.0	4.0	1,308	1,226	5.3	4.8
Widowed, divorced, or separated	414	420	8.1	7.9	580	576	7.3	7.0
Single (never married)	1,550	1,510	10.7	10.3	877	906	8.2	8.3
Black, 16 years and over	951	946	15.3	14.8	913	894	14.9	14.2
Married, spouse present	242	245	8.0	8.0	197	197	8.7	8.5
Widowed, divorced, or separated	139	133	14.8	14.0	226	193	12.6	10.9
Single (never married)	570	568	25.1	24.2	491	505	23.4	23.0
Total, 25 years and over	2,770	2,852	5.3	5.4	2,335	2,280	5.9	5.5
Married, spouse present	1,587	1,650	4.1	4.2	1,240	1,206	4.9	4.6
Widowed, divorced, or separated	530	532	8.9	8.7	737	701	7.8	7.2
Single (never married)	654	670	9.1	8.8	358	372	7.0	6.8
White, 25 years and over	2,140	2,212	4.7	4.7	1,742	1,710	5.1	4.9
Married, spouse present	1,314	1,360	3.8	3.8	1,042	1,002	4.7	4.3
Widowed, divorced, or separated	383	390	7.8	7.7	513	509	6.8	6.5
Single (never married)	442	462	7.5	7.4	188	200	4.8	4.8
Black, 25 years and over	533	540	11.1	10.9	518	500	10.7	10.1
Married, spouse present	215	225	7.5	7.7	153	158	7.4	7.5
Widowed, divorced, or separated	131	130	14.3	14.0	205	178	11.9	10.3
Single (never married)	188	186	18.3	17.0	159	164	15.5	15.0

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10. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	8,312	8,237	7.2	7.0	7.0	6.9	7.4	7.1
Managerial and professional specialty	645	653	2.4	2.4	2.2	2.2	2.8	2.7
Executive, administrative, and managerial	329	336	2.6	2.6	2.3	2.2	3.2	3.3
Professional specialty	316	317	2.3	2.2	2.1	2.1	2.5	2.3
Technical, sales, and administrative support	1,694	1,700	4.9	4.7	3.8	3.8	5.4	5.2
Technicians and related support	110	114	3.3	3.3	2.9	3.4	3.7	3.1
Sales occupations	702	718	5.3	5.1	3.5	3.4	7.1	6.9
Administrative support, including clerical	882	868	4.9	4.7	4.7	4.7	4.9	4.6
Service occupations	1,386	1,381	8.8	8.6	8.7	8.4	8.8	8.8
Private household	69	69	6.4	6.5	7.3	5.6	6.3	6.6
Protective service	85	90	4.7	4.8	4.4	4.2	6.7	8.7
Service, except private household and protective	1,233	1,223	9.5	9.3	10.1	9.9	9.2	9.0
Precision production, craft, and repair	1,038	1,038	7.2	7.2	6.9	7.0	10.1	9.2
Mechanics and repairers	225	226	4.8	4.9	4.7	4.9	6.6	5.7
Construction trades	531	522	10.1	9.6	9.9	9.5	16.0	14.1
Other precision production, craft, and repair	281	290	6.4	6.6	5.4	5.9	10.0	9.1
Operators, fabricators, and laborers	2,140	2,089	11.3	10.9	10.7	10.5	13.0	11.8
Machine operators, assemblers, and inspectors	980	907	11.1	10.3	9.6	9.1	13.3	11.9
Transportation and material moving occupations	422	431	8.5	8.6	8.5	8.7	8.3	8.0
Handlers, equipment cleaners, helpers, and laborers	739	752	14.3	13.8	14.3	13.9	14.1	13.3
Construction laborers	186	198	21.3	21.0	21.0	20.8	(¹)	(¹)
Other handlers, equipment cleaners, helpers, and laborers	553	554	12.8	12.3	12.7	12.2	13.5	12.7
Farming, forestry, and fishing	315	293	8.3	7.8	7.9	7.5	10.4	9.7
No previous work experience	1,041	1,031						
16 to 19 years	690	696						
20 to 24 years	226	201						
25 years and over	125	133						

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

11. Unemployed persons by industry and sex

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	8,312	8,237	7.2	7.0	7.0	6.9	7.4	7.1
Nonagricultural private wage and salary workers	6,189	6,195	7.2	7.0	7.1	7.1	7.3	6.9
Mining	96	134	9.5	13.5	9.9	14.6	7.4	7.5
Construction	778	809	13.1	13.1	13.4	13.4	10.0	9.8
Manufacturing	1,694	1,559	7.7	7.1	6.6	6.2	9.9	9.0
Durable goods	1,004	910	7.6	6.9	7.0	6.4	9.3	8.4
Lumber and wood products	83	73	11.6	10.3	11.1	10.3	14.6	9.9
Furniture and fixtures	56	53	8.9	7.7	7.8	7.2	11.6	9.0
Stone, clay, and glass products	59	50	9.6	7.8	8.9	6.9	11.6	10.8
Primary metal industries	103	86	11.3	10.0	11.3	10.1	10.9	9.4
Fabricated metal products	119	115	8.6	8.3	8.3	8.4	9.6	8.3
Machinery, except electrical	171	166	6.2	6.3	6.1	6.0	6.6	7.4
Electrical machinery, equipment, and supplies	187	147	7.8	6.4	6.0	4.5	10.2	9.4
Transportation equipment	148	142	5.6	5.2	5.1	4.7	7.7	7.1
Automobiles	94	89	7.3	6.9	6.4	5.7	10.6	11.3
Other transportation equipment	54	53	4.1	3.7	3.8	3.8	4.7	3.0
Professional and photographic equipment	32	31	4.4	4.3	2.8	3.1	6.9	6.0
Other durable goods industries	46	46	9.7	8.7	7.6	7.7	12.4	10.4
Nondurable goods	690	650	7.8	7.4	5.9	5.7	10.5	9.6
Food and kindred products	185	186	9.8	9.9	8.0	7.7	13.4	14.2
Textile mill products	79	57	9.9	7.5	7.8	6.5	12.1	8.5
Apparel and other textile products	148	137	11.4	10.7	7.6	8.5	12.5	11.4
Paper and allied products	31	30	4.5	4.1	3.9	3.2	6.5	6.8
Printing and publishing	93	83	5.5	4.8	4.0	3.9	7.5	5.8
Chemicals and allied products	57	64	4.7	5.1	4.1	4.4	5.8	6.5
Rubber and miscellaneous plastics products	59	58	7.6	7.9	6.4	6.7	9.8	10.1
Other nondurable goods industries	38	34	8.5	8.3	6.1	5.8	12.9	13.1
Transportation and public utilities	316	313	5.1	5.1	5.6	5.3	4.1	4.5
Transportation	248	233	5.9	5.4	6.4	5.9	4.2	3.9
Communications and other public utilities	68	80	2.5	3.0	2.3	2.5	3.0	4.0
Wholesale and retail trade	1,679	1,706	7.6	7.6	6.7	6.7	8.7	8.5
Wholesale trade	219	229	5.2	5.3	4.7	5.0	6.4	6.1
Retail trade	1,459	1,477	8.2	8.1	7.4	7.3	9.0	8.8
Finance, insurance, and real estate	228	239	3.5	3.5	3.3	3.3	3.6	3.6
Service industries	1,398	1,435	6.2	6.1	6.3	6.5	6.2	5.9
Professional services	529	519	4.2	4.0	3.6	3.6	4.5	4.1
Other service industries	869	916	8.7	8.8	8.4	8.8	9.0	8.9
Agricultural wage and salary workers	233	222	13.2	12.5	12.2	12.0	16.8	14.5
Government, self-employed, and unpaid family workers	848	790	3.2	2.9	3.1	2.8	3.3	3.1
No previous work experience	1,041	1,031	-	-	-	-	-	-

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12. Unemployed persons by reason for unemployment, sex, and race

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
NUMBER OF UNEMPLOYED												
Total unemployed	8,312	8,237	3,715	3,751	3,129	3,032	1,468	1,454	6,191	6,140	1,864	1,840
Job losers	4,139	4,033	2,568	2,568	1,296	1,225	275	240	3,146	3,076	890	846
On layoff	1,157	1,090	713	703	374	335	69	51	984	922	151	145
Other job losers	2,982	2,943	1,855	1,865	922	890	206	189	2,162	2,154	739	701
Job leavers	877	1,015	352	444	412	426	113	145	727	825	110	161
Reentrants	2,256	2,160	671	611	1,195	1,175	390	374	1,635	1,560	546	526
New entrants	1,039	1,029	124	128	227	206	689	695	682	680	317	306
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	49.8	48.9	69.1	68.5	41.4	40.4	18.7	16.5	50.8	50.1	47.8	46.0
On layoff	13.9	13.2	19.2	18.8	12.0	11.1	4.7	3.5	15.9	15.0	8.1	7.9
Other job losers	35.9	35.7	49.9	49.7	29.4	29.3	14.0	13.0	34.9	35.1	39.6	38.1
Job leavers	10.6	12.3	9.5	11.8	13.2	14.1	7.7	10.0	11.7	13.4	5.9	8.8
Reentrants	27.1	26.2	18.1	16.3	38.2	38.7	26.6	25.7	26.4	25.4	29.3	28.6
New entrants	12.5	12.5	3.3	3.4	7.3	6.8	46.9	47.8	11.0	11.1	17.0	16.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE												
Job losers	3.6	3.4	4.3	4.1	2.7	2.5	3.5	3.0	3.2	3.0	7.2	6.7
Job leavers .....	.8	.9	.6	.7	.9	.9	1.4	1.8	.7	.8	.9	1.3
Reentrants	2.0	1.8	1.1	1.0	2.5	2.4	4.9	4.7	1.6	1.5	4.4	4.2
New entrants .....	.9	.9	.2	.2	.5	.4	8.7	8.8	.7	.7	2.6	2.4

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

(Percent distribution)

Reason, sex, and age	1986						
	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	8,237	100.0	41.9	31.0	27.1	12.7	14.4
Job losers	4,033	100.0	34.2	31.7	34.2	16.0	18.1
On layoff	1,090	100.0	47.5	31.1	21.4	12.9	8.5
Other job losers	2,943	100.0	29.2	31.9	38.9	17.2	21.7
Job leavers	1,015	100.0	47.0	31.8	21.2	10.1	11.1
Reentrants	2,160	100.0	49.1	30.0	20.9	9.8	11.1
New entrants	1,029	100.0	51.7	30.1	18.2	8.4	9.8
Men, 20 years and over	3,751	100.0	34.4	31.1	34.5	14.8	19.6
Job losers	2,568	100.0	31.7	31.1	37.2	16.5	20.6
On layoff	703	100.0	45.7	32.0	22.3	13.3	8.9
Other job losers	1,865	100.0	26.4	30.8	42.8	17.7	25.0
Job leavers	444	100.0	41.1	33.2	25.7	10.4	15.4
Reentrants	611	100.0	40.8	30.2	29.1	12.0	17.1
New entrants	128	100.0	34.2	29.4	36.5	9.8	26.6
Women, 20 years and over	3,032	100.0	44.0	31.3	24.7	12.2	12.5
Job losers	1,225	100.0	35.6	32.7	31.6	15.9	15.7
On layoff	335	100.0	48.4	30.6	21.0	12.7	8.3
Other job losers	890	100.0	30.8	33.5	35.6	17.1	18.5
Job leavers	426	100.0	47.1	32.4	20.5	11.2	9.3
Reentrants	1,175	100.0	50.7	29.7	19.5	9.3	10.2
New entrants	206	100.0	48.6	30.0	21.4	8.5	12.9
Both sexes, 16 to 19 years	1,454	100.0	56.7	30.2	13.1	8.2	4.9
Job losers	240	100.0	52.8	32.3	14.9	10.8	4.1
On layoff	51	100.0	67.0	21.6	11.4	7.7	3.7
Other job losers	189	100.0	49.0	35.2	15.8	11.7	4.2
Job leavers	145	100.0	65.0	25.6	9.4	6.0	3.4
Reentrants	374	100.0	57.7	30.5	11.8	7.5	4.3
New entrants	695	100.0	55.8	30.2	13.9	8.1	5.8

14. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	8,312	8,237	100.0	100.0	6,793	6,708	100.0	100.0
Less than 5 weeks	3,498	3,448	42.1	41.9	2,582	2,537	38.0	37.8
5 to 14 weeks	2,509	2,557	30.2	31.0	2,096	2,143	30.9	31.9
5 to 10 weeks	1,845	1,863	22.2	22.6	1,523	1,542	22.4	23.0
11 to 14 weeks	664	695	8.0	8.4	573	601	8.4	9.0
15 weeks and over	2,305	2,232	27.7	27.1	2,115	2,029	31.1	30.2
15 to 26 weeks	1,025	1,045	12.3	12.7	917	934	13.5	13.9
27 weeks and over	1,280	1,187	15.4	14.4	1,198	1,095	17.6	16.3
27 to 51 weeks	496	472	6.0	5.7	461	432	6.8	6.4
52 weeks and over	785	715	9.4	8.7	736	662	10.8	9.9
Average (mean) duration, in weeks	15.6	15.0			17.3	16.5		
Median duration, in weeks	6.8	6.9			8.0	8.0		

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								1985	1986	1985	1986
	1986							1985	1986	1985	1986
Total, 16 years and over	8,237	3,448	2,557	1,045	1,187	15.0	6.9	42.1	41.9	27.7	27.1
16 to 19 years	1,454	825	439	119	71	8.1	4.4	56.9	56.7	12.5	13.1
20 to 24 years	1,651	750	529	190	182	12.5	5.9	45.2	45.4	23.5	22.5
25 to 34 years	2,390	934	776	322	358	15.6	7.7	39.5	39.1	29.6	28.5
35 to 44 years	1,371	485	430	206	251	18.2	8.9	35.8	35.3	34.5	33.3
45 to 54 years	790	264	230	117	180	20.6	9.7	31.9	33.4	38.5	37.5
55 to 64 years	489	151	129	79	130	23.7	11.2	33.6	30.9	41.3	42.8
65 years and over	91	39	26	12	14	16.0	6.7	41.4	43.2	31.3	28.9
Men, 16 years and over	4,530	1,712	1,410	626	782	17.2	8.1	37.5	37.8	32.2	31.1
16 to 19 years	779	422	242	69	45	8.7	4.6	54.1	54.2	14.1	14.7
20 to 24 years	899	382	286	114	116	14.0	6.6	40.1	42.5	27.7	25.6
25 to 34 years	1,291	440	430	189	233	18.0	9.0	34.4	34.0	35.1	32.7
35 to 44 years	763	233	239	123	168	21.0	10.2	31.0	30.5	40.0	38.1
45 to 54 years	440	126	121	74	118	23.9	11.8	27.0	28.8	44.2	43.6
55 to 64 years	301	85	76	49	92	26.7	13.1	29.9	28.2	45.8	46.6
65 years and over	58	24	16	8	11	18.0	7.2	34.2	40.7	38.0	32.1
Women, 16 years and over	3,707	1,736	1,146	420	405	12.4	5.7	47.5	46.8	22.4	22.2
16 to 19 years	675	402	196	50	26	7.3	4.2	60.4	59.7	10.6	11.3
20 to 24 years	752	368	242	76	66	10.7	5.2	51.2	48.9	18.6	18.9
25 to 34 years	1,099	495	346	133	126	12.8	6.2	45.3	45.0	23.5	23.5
35 to 44 years	609	252	190	83	83	14.7	7.2	41.1	41.4	28.4	27.4
45 to 54 years	350	137	109	43	62	16.5	7.6	38.1	39.1	31.3	29.9
55 to 64 years	189	66	53	30	39	18.9	9.5	39.0	35.1	34.7	36.6
65 years and over	33	16	10	4	3	(¹)	(¹)	51.7	(¹)	21.7	(¹)
White, 16 years and over	6,140	2,629	1,906	772	834	14.5	6.6	43.2	42.8	26.6	26.1
Men	3,433	1,327	1,071	470	564	16.7	7.8	38.7	38.7	31.0	30.1
Women	2,708	1,302	835	302	270	11.6	5.4	48.9	48.1	21.1	21.1
Black, 16 years and over	1,840	712	574	235	319	17.1	7.9	38.3	38.7	31.6	30.1
Men	946	327	292	133	193	19.3	9.2	33.4	34.6	36.9	34.5
Women	894	385	282	102	126	14.7	6.6	43.3	43.0	26.1	25.4
Men, 16 years and over:											
Married, spouse present	1,819	580	568	294	378	19.7	9.8	32.5	31.9	37.7	36.9
Widowed, divorced, or separated	565	184	173	84	125	21.3	9.9	31.2	32.5	39.1	36.9
Single (never married)	2,146	949	670	248	279	14.0	6.3	43.2	44.2	26.0	24.6
Women, 16 years and over:											
Married, spouse present	1,479	685	459	176	159	12.1	5.8	47.2	46.3	22.5	22.7
Widowed, divorced, or separated	787	310	246	103	127	16.0	7.7	40.9	39.5	28.8	29.2
Single (never married)	1,442	741	441	140	119	10.6	4.9	51.8	51.4	18.4	18.0

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

16. Unemployed persons by occupation, industry, and duration of unemployment

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
								1985	1986	1985	1986
OCCUPATION											
Managerial and professional specialty	653	246	217	93	97	15.8	8.0	38.5	37.7	30.3	29.1
Technical, sales, and administrative support	1,700	746	535	218	201	13.2	6.3	45.1	43.9	24.8	24.7
Service occupations	1,381	614	422	155	190	14.3	6.3	45.0	44.4	26.2	25.0
Precision production, craft, and repair	1,038	379	325	144	191	17.6	8.5	38.0	36.5	31.8	32.3
Operators, fabricators, and laborers	2,089	785	637	305	362	17.4	8.3	36.6	37.6	33.1	31.9
Farming, forestry, and fishing	293	127	92	37	36	13.5	6.6	43.8	43.5	24.0	25.0
INDUSTRY¹											
Agriculture	222	98	73	25	26	12.7	6.5	44.1	44.0	23.2	23.1
Construction	832	318	280	120	114	14.6	7.6	38.0	38.3	28.7	28.1
Manufacturing	1,563	549	468	229	318	19.1	9.0	35.3	35.1	35.2	35.0
Durable goods	913	294	266	145	209	20.9	10.3	32.6	32.2	38.3	38.7
Nondurable goods	650	255	202	84	109	16.6	7.4	39.2	39.2	30.6	29.7
Transportation and public utilities	355	136	104	58	57	16.7	8.4	38.7	38.4	31.6	32.2
Wholesale and retail trade	1,713	756	534	212	212	13.6	6.3	45.5	44.1	24.5	24.7
Finance and service industries	1,978	856	621	238	264	14.1	6.6	43.4	43.3	27.2	25.3
Public administration	222	82	71	32	37	16.9	8.3	36.9	36.9	31.0	31.0
No previous work experience	1,031	533	310	87	101	11.6	4.8	50.8	51.7	18.8	18.2

¹ Includes wage and salary workers only.

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

Sex, age, and race	1986								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,237	7,011	24.2	6.5	74.1	35.7	17.7	5.1	1.63
16 to 19 years	1,454	1,377	14.1	3.1	80.7	25.9	15.0	3.4	1.42
20 to 24 years	1,651	1,451	25.1	6.0	74.5	36.6	16.8	4.2	1.63
25 to 34 years	2,390	1,986	28.5	7.5	73.1	39.5	18.1	4.8	1.72
35 to 44 years	1,371	1,114	28.1	8.7	71.5	40.0	20.2	6.6	1.75
45 to 54 years	790	619	26.5	8.2	71.2	36.0	18.6	6.8	1.67
55 to 64 years	489	392	21.9	6.1	68.1	35.2	19.4	9.4	1.60
65 years and over	91	73	13.7	5.5	65.8	28.8	24.7	5.5	1.44
Men, 16 years and over	4,530	3,721	26.7	6.8	75.4	33.9	20.3	5.8	1.69
16 to 19 years	779	734	14.9	3.3	81.7	24.3	16.9	2.7	1.44
20 to 24 years	899	764	26.7	5.6	76.2	33.6	19.8	4.3	1.66
25 to 34 years	1,291	1,013	33.0	8.1	74.7	39.1	21.2	5.1	1.81
35 to 44 years	763	597	32.2	9.5	72.5	39.0	23.1	8.4	1.85
45 to 54 years	440	326	29.4	9.5	72.4	33.7	21.8	9.5	1.76
55 to 64 years	301	238	22.3	5.0	69.3	30.7	19.3	11.8	1.58
65 years and over	58	49	16.3	4.1	69.4	28.6	24.5	4.1	1.47
Women, 16 years and over	3,707	3,290	21.4	6.1	72.7	37.7	14.8	4.4	1.57
16 to 19 years	675	642	13.2	2.8	79.6	27.7	12.8	4.2	1.40
20 to 24 years	752	687	23.3	6.3	72.6	39.9	13.5	3.9	1.60
25 to 34 years	1,099	974	23.9	6.8	71.4	39.9	14.9	4.5	1.61
35 to 44 years	609	517	23.6	7.9	70.4	41.2	16.8	4.6	1.65
45 to 54 years	350	292	23.3	6.8	70.2	38.7	15.4	3.8	1.58
55 to 64 years	189	154	21.4	7.1	65.6	42.2	18.8	5.8	1.61
65 years and over	33	24	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
White, 16 years and over	6,140	5,096	23.1	6.7	74.4	37.3	17.3	5.4	1.64
Men	3,433	2,735	25.9	7.0	75.6	35.1	19.9	6.3	1.70
Women	2,708	2,361	19.9	6.4	72.9	39.9	14.4	4.4	1.58
Black, 16 years and over	1,840	1,686	27.3	5.7	74.5	30.7	18.4	4.0	1.61
Men	946	850	29.4	6.2	76.4	30.0	21.2	3.9	1.67
Women	894	835	25.4	5.1	72.7	31.4	15.7	4.1	1.54

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

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

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

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

Sex and reason	1986								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,237	7,011	24.2	6.5	74.1	35.7	17.7	5.1	1.63
Job losers ¹	4,033	2,951	30.5	7.2	75.7	37.0	20.7	5.4	1.76
Job leavers	1,015	1,017	23.2	8.0	73.8	41.7	16.1	3.6	1.66
Reentrants	2,160	2,028	19.4	5.8	70.5	35.2	14.5	6.3	1.52
New entrants	1,029	1,015	16.6	4.0	76.9	26.8	17.0	3.6	1.45
Men, 16 years and over	4,530	3,721	26.7	6.8	75.4	33.9	20.3	5.8	1.69
Job losers ¹	2,725	1,989	31.7	7.2	76.3	35.4	21.9	5.9	1.78
Job leavers	520	521	24.2	7.7	75.0	38.8	18.6	3.8	1.68
Reentrants	805	735	21.6	6.7	71.4	31.3	17.4	8.6	1.57
New entrants	480	476	17.0	4.2	78.4	26.1	20.0	3.2	1.49
Women, 16 years and over	3,707	3,290	21.4	6.1	72.7	37.7	14.8	4.4	1.57
Job losers ¹	1,308	962	28.3	7.3	74.5	40.2	18.2	4.2	1.73
Job leavers	494	497	22.1	8.0	72.2	44.5	13.5	3.4	1.64
Reentrants	1,355	1,292	18.1	5.3	70.2	37.5	13.0	5.0	1.49
New entrants	549	539	16.3	3.9	75.5	27.3	14.5	4.1	1.42

¹ Data on the number of jobseekers and the jobsearch methods used exclude persons on layoff.

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

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

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19. Employed civilians in agriculture and nonagricultural industries by age and sex

(In thousands)

Industry and age	Total		Men		Women	
	1985	1986	1985	1986	1985	1986
All industries	107,150	109,597	59,891	60,892	47,259	48,706
16 to 19 years	6,434	6,472	3,328	3,323	3,105	3,149
16 to 17 years	2,492	2,622	1,300	1,352	1,193	1,270
18 to 19 years	3,941	3,850	2,029	1,971	1,913	1,879
20 to 24 years	13,980	13,790	7,339	7,250	6,640	6,540
25 to 54 years	72,449	75,011	40,775	41,912	31,674	33,099
25 to 34 years	31,208	32,201	17,564	18,092	13,644	14,109
35 to 44 years	24,732	25,861	13,800	14,266	10,933	11,595
45 to 54 years	16,509	16,949	9,411	9,554	7,097	7,395
55 to 64 years	11,474	11,405	6,753	6,654	4,721	4,751
55 to 59 years	6,913	6,896	4,064	4,002	2,849	2,894
60 to 64 years	4,561	4,509	2,669	2,652	1,872	1,858
65 years and over	2,813	2,919	1,695	1,753	1,118	1,165
Agriculture	3,179	3,163	2,535	2,511	644	652
16 to 19 years	305	258	257	219	48	38
16 to 17 years	147	133	124	109	23	24
18 to 19 years	158	125	133	110	25	15
20 to 24 years	395	382	329	322	66	60
25 to 54 years	1,771	1,787	1,361	1,358	409	429
25 to 34 years	724	763	572	604	152	159
35 to 44 years	569	547	428	401	141	146
45 to 54 years	478	478	361	354	117	124
55 to 64 years	452	447	368	358	84	88
55 to 59 years	235	241	186	188	50	53
60 to 64 years	217	206	182	171	34	35
65 years and over	256	289	220	253	37	37
Nonagricultural industries	103,971	106,434	57,356	58,381	46,615	48,054
16 to 19 years	6,129	6,215	3,071	3,104	3,057	3,111
16 to 17 years	2,346	2,469	1,176	1,243	1,170	1,246
18 to 19 years	3,783	3,726	1,895	1,861	1,867	1,865
20 to 24 years	13,585	13,408	7,010	6,928	6,575	6,480
25 to 54 years	70,679	73,224	39,414	40,554	31,265	32,671
25 to 34 years	30,485	31,438	16,992	17,488	13,492	13,950
35 to 44 years	24,164	25,314	13,372	13,865	10,792	11,449
45 to 54 years	16,031	16,471	9,050	9,200	6,981	7,271
55 to 64 years	11,022	10,958	6,385	6,295	4,637	4,663
55 to 59 years	6,677	6,655	3,878	3,814	2,799	2,640
60 to 64 years	4,344	4,304	2,506	2,481	1,838	1,822
65 years and over	2,557	2,629	1,476	1,500	1,081	1,129

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20. Employed civilians by occupation, sex, and age

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
Total	107,150	109,597	59,891	60,892	56,562	57,569	47,259	48,706	44,154	45,556
Managerial and professional specialty	25,851	26,554	14,802	15,029	14,712	14,953	11,049	11,525	10,940	11,411
Executive, administrative, and managerial	12,221	12,642	7,871	7,990	7,834	7,957	4,351	4,653	4,310	4,610
Officials and administrators, public administration	526	534	322	320	322	320	204	214	203	213
Other executive, administrative, and managerial	8,377	8,659	5,748	5,817	5,715	5,788	2,630	2,842	2,598	2,812
Management-related occupations	3,318	3,449	1,800	1,852	1,797	1,848	1,517	1,597	1,509	1,585
Professional specialty	13,630	13,911	6,932	7,039	6,879	6,997	6,699	6,872	6,629	6,800
Engineers	1,683	1,749	1,570	1,644	1,568	1,642	113	105	113	105
Mathematical and computer scientists	571	631	394	402	392	401	178	228	178	226
Natural scientists	376	384	298	298	297	298	78	86	77	86
Health diagnosing occupations	728	728	620	618	620	618	108	109	107	109
Health assessment and treating occupations	2,006	2,026	289	298	287	296	1,717	1,728	1,713	1,725
Teachers, college and university	643	639	417	409	415	409	226	230	224	227
Teachers, except college and university	3,523	3,559	950	946	941	938	2,573	2,613	2,546	2,588
Lawyers and judges	671	650	549	532	549	531	122	118	122	118
Other professional specialty occupations	3,428	3,547	1,844	1,892	1,809	1,864	1,584	1,654	1,550	1,618
Technical, sales, and administrative support	33,231	34,354	11,725	12,130	11,161	11,537	21,507	22,223	19,921	20,544
Technicians and related support	3,255	3,364	1,719	1,783	1,689	1,748	1,537	1,581	1,516	1,557
Health technologists and technicians	1,115	1,124	185	179	183	176	929	945	922	936
Engineering and science technicians	1,115	1,145	881	921	862	901	234	224	227	217
Technicians, except health, engineering, and science	1,026	1,095	652	683	644	671	374	412	368	404
Sales occupations	12,667	13,245	6,579	6,862	6,225	6,496	6,088	6,383	5,209	5,422
Supervisors and proprietors	3,316	3,493	2,282	2,427	2,257	2,406	1,033	1,066	1,013	1,049
Sales representatives, finance and business services	2,099	2,255	1,239	1,320	1,232	1,307	860	935	839	906
Sales representatives, commodities, except retail	1,509	1,505	1,244	1,230	1,232	1,221	264	276	257	268
Sales workers, retail and personal services	5,682	5,927	1,791	1,862	1,482	1,541	3,890	4,065	3,064	3,161
Sales-related occupations	63	65	23	23	22	21	40	42	37	38
Administrative support, including clerical	17,309	17,745	3,427	3,485	3,248	3,292	13,882	14,260	13,196	13,565
Supervisors	712	727	332	296	331	295	380	431	379	429
Computer equipment operators	779	859	262	271	254	257	518	589	489	555
Secretaries, stenographers, and typists	5,002	4,940	114	88	104	81	4,888	4,852	4,667	4,633
Financial records processing	2,503	2,473	242	227	234	220	2,262	2,246	2,205	2,194
Mail and message distributing	805	903	532	592	504	566	273	311	255	297
Other administrative support, including clerical	7,507	7,842	1,946	2,010	1,821	1,873	5,561	5,832	5,200	5,456
Service occupations	14,441	14,680	5,695	5,775	4,804	4,859	8,747	8,905	7,631	7,808
Private household	1,006	981	38	39	25	29	968	942	793	761
Protective service	1,718	1,787	1,491	1,566	1,455	1,521	227	221	203	200
Service, except private household and protective	11,718	11,913	4,166	4,170	3,325	3,309	7,552	7,742	6,634	6,847
Food service	5,094	5,127	1,912	1,909	1,298	1,285	3,182	3,219	2,523	2,583
Health service	1,760	1,823	178	185	165	173	1,582	1,639	1,491	1,552
Cleaning and building service	2,815	2,861	1,684	1,674	1,515	1,495	1,131	1,187	1,069	1,123
Personal service	2,049	2,101	392	403	347	357	1,657	1,698	1,550	1,589
Precision production, craft, and repair	13,340	13,405	12,213	12,256	11,868	11,919	1,127	1,150	1,092	1,119
Mechanics and repairers	4,475	4,374	4,322	4,222	4,202	4,114	153	151	151	148
Construction trades	4,745	4,924	4,650	4,826	4,484	4,654	95	99	89	95
Other precision production, craft, and repair	4,120	4,108	3,241	3,208	3,182	3,151	878	900	852	876
Operators, fabricators, and laborers	16,816	17,160	12,539	12,805	11,444	11,712	4,277	4,355	4,068	4,171
Machine operators, assemblers, and inspectors	7,840	7,911	4,681	4,725	4,485	4,550	3,159	3,187	3,046	3,097
Manufacturing industries	6,589	6,615	3,869	3,908	3,721	3,787	2,720	2,706	2,641	2,641
Durable goods	3,641	3,671	2,548	2,550	2,451	2,479	1,093	1,121	1,063	1,099
Nondurable goods	2,949	2,944	1,322	1,358	1,269	1,308	1,627	1,585	1,578	1,542
Nonmanufacturing industries	1,251	1,297	812	816	765	763	439	481	405	456
Transportation and material moving occupations	4,535	4,564	4,160	4,158	4,024	4,019	375	406	358	394
Motor vehicle operators	3,303	3,380	2,965	3,013	2,853	2,900	338	367	322	355
Other transportation and material moving occupations	1,232	1,184	1,195	1,144	1,171	1,119	37	39	37	39
Handlers, equipment cleaners, helpers, and laborers	4,441	4,685	3,697	3,923	2,935	3,142	744	762	663	679
Construction laborers	686	743	665	722	580	632	21	21	19	21
Other handlers, equipment cleaners, helpers, and laborers	3,755	3,942	3,032	3,201	2,354	2,510	723	741	644	659
Farming, forestry, and fishing	3,470	3,444	2,917	2,896	2,572	2,589	552	548	503	504
Farm operators and managers	1,359	1,337	1,170	1,149	1,156	1,138	189	188	188	187
Other farming, forestry, and fishing occupations	2,111	2,106	1,748	1,747	1,417	1,450	363	360	315	318

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21. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	1985	1986	1985	1986	1985	1986
TOTAL						
Total, 16 years and over (thousands)	107,150	109,597	59,891	60,892	47,259	48,706
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	24.1	24.2	24.7	24.7	23.4	23.7
Executive, administrative, and managerial	11.4	11.5	13.1	13.1	9.2	9.6
Professional specialty	12.7	12.7	11.6	11.6	14.2	14.1
Technical, sales, and administrative support	31.0	31.3	19.6	19.9	45.5	45.6
Technicians and related support	3.0	3.1	2.9	2.9	3.3	3.2
Sales occupations	11.8	12.1	11.0	11.3	12.9	13.1
Administrative support, including clerical	16.2	16.2	5.7	5.7	29.4	29.3
Service occupations	13.5	13.4	9.5	9.5	18.5	18.3
Private household .....	.9	.9	.1	.1	2.0	1.9
Protective service	1.6	1.6	2.5	2.6	.5	.5
Service, except private household and protective	10.9	10.9	7.0	6.8	16.0	15.9
Precision production, craft, and repair	12.4	12.2	20.4	20.1	2.4	2.4
Operators, fabricators, and laborers	15.7	15.7	20.9	21.0	9.1	8.9
Machine operators, assemblers, and inspectors	7.3	7.2	7.8	7.8	6.7	6.5
Transportation and material moving occupations	4.2	4.2	6.9	6.8	.8	.8
Handlers, equipment cleaners, helpers, and laborers	4.1	4.3	6.2	6.4	1.6	1.6
Farming, forestry, and fishing	3.2	3.1	4.9	4.8	1.2	1.1
White						
Total, 16 years and over (thousands)	93,736	95,660	53,046	53,785	40,690	41,876
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	25.1	25.2	25.8	25.7	24.3	24.6
Executive, administrative, and managerial	12.0	12.2	13.8	13.9	9.7	10.0
Professional specialty	13.1	13.1	12.0	11.9	14.6	14.6
Technical, sales, and administrative support	31.5	31.9	19.9	20.3	46.7	46.7
Technicians and related support	3.0	3.1	2.9	3.0	3.2	3.2
Sales occupations	12.4	12.7	11.6	11.9	13.5	13.7
Administrative support, including clerical	16.1	16.1	5.4	5.4	30.0	29.8
Service occupations	12.2	12.2	8.5	8.5	17.1	17.0
Private household .....	.7	.8	.1	.1	1.6	1.6
Protective service	1.5	1.6	2.4	2.4	.4	.4
Service, except private household and protective	9.9	9.9	6.1	6.0	15.0	14.9
Precision production, craft, and repair	12.9	12.6	21.0	20.7	2.3	2.3
Operators, fabricators, and laborers	14.9	14.7	19.8	19.8	8.4	8.2
Machine operators, assemblers, and inspectors	6.9	6.8	7.5	7.4	6.1	5.9
Transportation and material moving occupations	4.1	4.0	6.6	6.5	.8	.8
Handlers, equipment cleaners, helpers, and laborers	3.9	4.0	5.7	5.9	1.5	1.5
Farming, forestry, and fishing	3.3	3.3	4.9	4.9	1.3	1.2
Black						
Total, 16 years and over (thousands)	10,501	10,814	5,270	5,428	5,231	5,386
Percent	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty	14.4	14.7	12.4	12.8	16.5	16.7
Executive, administrative, and managerial	6.2	6.1	6.6	6.2	5.8	6.0
Professional specialty	8.2	8.7	5.7	6.6	10.7	10.7
Technical, sales, and administrative support	26.5	27.0	15.5	15.9	37.6	38.3
Technicians and related support	2.8	2.6	2.1	2.0	3.4	3.1
Sales occupations	6.6	6.9	5.0	5.2	8.3	8.7
Administrative support, including clerical	17.1	17.5	8.4	8.6	25.9	26.5
Service occupations	24.0	22.9	18.5	17.6	29.6	28.3
Private household	2.8	2.2	.2	.1	5.4	4.3
Protective service	2.5	2.5	4.1	4.2	.8	.8
Service, except private household and protective	18.8	18.3	14.2	13.4	23.4	23.2
Precision production, craft, and repair	9.0	9.3	15.4	16.0	2.6	2.6
Operators, fabricators, and laborers	23.5	23.9	33.6	34.0	13.2	13.7
Machine operators, assemblers, and inspectors	10.7	10.8	11.1	11.0	10.2	10.6
Transportation and material moving occupations	5.9	5.9	10.9	10.8	.8	1.0
Handlers, equipment cleaners, helpers, and laborers	6.9	7.2	11.6	12.2	2.2	2.1
Farming, forestry, and fishing	2.6	2.1	4.6	3.7	.5	.4

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin

(Numbers in thousands)

Occupation	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over	109,597	44.4	9.9	6.6
Managerial and professional specialty	26,554	43.4	6.0	3.5
Executive, administrative, and managerial	12,642	36.8	5.2	3.7
Officials and administrators, public administration	467	42.0	8.4	3.8
Financial managers	409	38.4	3.0	4.3
Personnel and labor relations managers	114	48.8	5.5	3.5
Purchasing managers	100	29.4	4.1	3.0
Managers, marketing, advertising, and public relations	440	24.9	2.5	2.3
Administrators, education and related fields	500	47.7	8.9	3.5
Managers, medicine and health	127	62.2	8.1	2.7
Managers, properties and real estate	362	44.2	5.2	5.6
Management-related occupations	3,449	46.3	6.7	3.9
Accountants and auditors	1,257	44.9	5.6	4.0
Underwriters and other financial officers	655	47.3	6.0	3.1
Management analysts	190	30.9	5.9	2.4
Personnel, training, and labor relations specialists	348	55.2	11.9	3.8
Buyers, wholesale and retail trade, except farm products	224	50.2	3.2	4.9
Construction inspectors	51	5.0	4.5	5.3
Inspectors and compliance officers, except construction	190	20.5	13.6	3.9
Professional specialty	13,911	49.4	6.7	3.3
Architects	132	9.7	3.2	4.1
Engineers	1,749	6.0	3.7	2.5
Aerospace engineers	93	7.1	4.0	3.3
Chemical engineers	59	8.1	.7	2.5
Civil engineers	233	2.7	4.3	4.0
Electrical and electronic engineers	550	6.9	4.2	2.1
Industrial engineers	203	10.9	4.1	2.8
Mechanical engineers	287	3.5	3.6	1.0
Mathematical and computer scientists	631	36.2	7.2	2.5
Computer systems analysts and scientists	385	34.4	6.6	2.4
Operations and systems researchers and analysts	195	39.4	7.6	3.2
Natural scientists	384	22.5	2.5	3.2
Chemists, except biochemists	123	22.8	3.6	3.0
Geologists and geodesists	49	14.0	1.2	1.6
Biological and life scientists	65	37.6	1.4	6.2
Health diagnosing occupations	728	15.0	3.3	3.2
Physicians	489	17.6	3.3	4.1
Dentists	132	4.4	5.5	2.0
Health assessment and treating occupations	2,026	85.3	7.0	2.8
Registered nurses	1,488	94.3	6.7	2.4
Pharmacists	162	31.4	4.0	3.7
Dietitians	73	93.4	17.7	2.5
Therapists	257	74.2	7.8	4.4
Inhalation therapists	73	59.9	13.8	7.5
Physical therapists	56	71.8	4.1	5.3
Speech therapists	61	90.8	3.9	1.0
Teachers, college and university	639	36.0	4.0	3.2
Teachers, except college and university	3,559	73.4	9.5	3.6
Prekindergarten and kindergarten	359	98.3	13.9	6.1
Elementary school	1,340	85.2	10.8	3.4
Secondary school	1,195	54.9	7.8	3.4
Special education	216	87.1	11.9	1.6
Teachers, n.e.c.	448	61.2	5.7	3.7
Counselors, educational and vocational	173	53.9	12.9	4.7
Librarians, archivists, and curators	212	82.9	7.4	1.8
Librarians	194	85.9	7.5	1.7
Social scientists and urban planners	312	46.0	5.5	2.8
Economists	111	39.3	3.0	2.8
Psychologists	165	52.5	6.8	3.1
Social, recreation, and religious workers	911	46.9	12.5	5.3
Social workers	480	65.0	17.8	7.3
Recreation workers	75	68.3	15.6	5.2
Clergy	285	7.2	5.5	2.4
Religious workers, n.e.c.	71	61.3	1.8	2.9
Lawyers and judges	650	18.1	3.0	1.9
Lawyers	618	18.0	2.9	1.8
Writers, artists, entertainers, and athletes	1,781	45.0	5.2	4.0
Authors	75	53.1	.7	2.4
Technical writers	45	38.4	7.0	1.0
Designers	484	49.7	3.8	4.9
Musicians and composers	164	32.0	8.3	3.0
Actors and directors	86	38.9	5.5	1.3
Painters, sculptors, craft-artists, and artist printmakers	189	51.0	6.3	3.3
Photographers	127	31.9	5.7	3.5
Editors and reporters	251	50.5	3.8	4.4
Public relations specialists	157	51.7	6.9	3.1
Announcers	55	20.0	8.3	3.2
Athletes	64	21.7	7.1	6.4

See footnotes at end of table.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Occupation	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Technical, sales, and administrative support	34,354	64.7	8.5	5.3
Technicians and related support	3,364	47.0	8.2	4.0
Health technologists and technicians	1,124	84.1	12.4	3.7
Clinical laboratory technologists and technicians	285	76.5	10.8	3.8
Dental hygienists	59	99.5	.5	1.7
Radiologic technicians	113	67.1	9.0	5.6
Licensed practical nurses	417	97.5	17.2	2.9
Engineering and related technologists and technicians	937	17.7	6.3	5.3
Electrical and electronic technicians	328	12.6	7.0	4.5
Drafting occupations	283	19.4	4.3	7.2
Surveying and mapping technicians	80	10.3	4.9	7.5
Science technicians	208	27.9	7.0	4.2
Biological technicians	55	35.5	5.3	3.9
Chemical technicians	78	23.7	5.6	5.1
Technicians, except health, engineering, and science	1,095	37.6	5.8	3.1
Airplane pilots and navigators	79	1.5	.9	.1
Computer programmers	549	34.0	5.9	2.2
Legal assistants	176	77.5	5.6	5.0
Sales occupations	13,245	48.2	5.7	4.9
Supervisors and proprietors	3,493	30.5	4.0	4.4
Sales representatives, finance and business services	2,255	41.5	3.9	3.4
Insurance sales	562	28.7	5.8	3.9
Real estate sales	737	50.6	2.1	3.3
Securities and financial services sales	283	24.5	3.1	2.6
Advertising and related sales	139	50.4	6.4	3.8
Sales occupations, other business services	534	49.0	4.0	3.5
Sales representatives, commodities, except retail	1,505	18.3	2.2	3.4
Sales workers, retail and personal services	5,927	68.6	8.2	6.1
Sales workers, motor vehicles and boats	283	7.2	3.5	5.5
Sales workers, apparel	454	82.9	7.0	6.6
Sales workers, shoes	113	60.1	8.2	7.8
Sales workers, furniture and home furnishings	172	46.9	2.7	4.9
Sales workers, radio, television, hi-fi, and appliances	172	30.1	5.6	5.8
Sales workers, hardware and building supplies	200	26.6	4.3	4.4
Sales workers, parts	171	9.8	3.4	6.1
Sales workers, other commodities	1,426	75.1	5.6	5.2
Sales counter clerks	168	72.5	8.5	5.2
Cashiers	2,310	82.9	12.3	6.8
Street and door-to-door sales workers	336	74.7	5.6	7.0
News vendors	123	32.3	7.4	4.1
Sales-related occupations	65	64.6	4.6	2.4
Administrative support, including clerical	17,745	80.4	10.7	5.8
Supervisors	727	59.3	10.8	5.1
General office	437	68.1	10.6	5.5
Financial records processing	94	73.3	4.9	3.1
Supervisors, distribution, scheduling, and adjusting clerks	152	30.9	14.9	5.9
Computer equipment operators	859	68.5	14.0	6.1
Computer operators	853	68.6	14.0	6.0
Secretaries, stenographers, and typists	4,940	98.2	8.5	5.1
Secretaries	4,023	99.0	6.9	4.8
Stenographers	47	89.8	6.8	.2
Typists	870	95.2	16.3	6.5
Information clerks	1,326	89.7	8.4	6.7
Interviewers	182	85.8	9.3	5.3
Hotel clerks	77	72.1	9.2	5.6
Transportation ticket and reservation agents	114	68.3	9.4	8.0
Receptionists	724	97.1	7.4	6.7
Records processing occupations, except financial	845	81.4	14.4	7.0
Order clerks	201	76.0	12.3	4.9
Personnel clerks, except payroll and timekeeping	62	92.5	12.6	4.5
Library clerks	137	76.0	13.1	5.7
File clerks	311	84.5	17.6	9.6
Records clerks	113	81.5	11.9	6.5
Financial records processing	2,473	90.8	5.4	4.1
Bookkeepers, accounting, and auditing clerks	2,007	91.8	4.1	3.8
Payroll and timekeeping clerks	171	89.0	10.5	4.4
Billing clerks	164	89.2	9.4	7.4
Cost and rate clerks	85	75.0	15.5	3.7
Duplicating, mail and other office machine operators	77	61.9	16.9	7.2
Communications equipment operators	230	87.4	17.5	5.5
Telephone operators	220	87.9	17.4	5.6
Mail and message distributing occupations	903	34.4	20.3	6.2
Postal clerks, except mail carriers	299	43.5	29.8	7.1
Mail carriers, postal service	297	20.6	12.9	4.5
Mail clerks, except postal service	168	48.9	18.4	6.8
Messengers	139	26.8	17.8	7.3

See footnotes at end of table.

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Occupation	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Material recording, scheduling, and distributing clerks	1,639	39.5	11.8	8.1
Dispatchers	187	50.7	7.7	3.7
Production coordinators	178	45.2	7.2	4.4
Traffic, shipping, and receiving clerks	468	26.1	11.7	12.4
Stock and inventory clerks	553	39.9	14.2	7.2
Weighers, measurers, and checkers	72	46.1	14.1	7.7
Expeditors	109	61.9	10.4	6.2
Adjusters and investigators	824	72.3	11.1	5.7
Insurance adjusters, examiners, and investigators	250	66.6	12.5	4.8
Investigators and adjusters, except insurance	382	74.4	9.9	5.0
Eligibility clerks, social welfare	70	90.4	18.1	7.9
Bill and account collectors	122	67.2	7.8	8.1
Miscellaneous administrative support	2,902	84.9	13.4	6.5
General office clerks	740	80.5	13.0	6.1
Bank tellers	482	91.8	7.8	5.3
Data entry keyers	343	91.1	19.6	8.1
Statistical clerks	102	77.3	13.5	4.2
Teachers' aides	381	94.2	17.9	10.8
Service occupations	14,680	60.7	16.9	8.8
Private household	981	96.0	23.9	12.9
Child care workers	400	97.4	8.3	6.1
Cleaners and servants	527	95.3	35.5	17.8
Protective service	1,787	12.4	15.0	5.6
Supervisors, protective service	162	4.3	8.7	4.4
Supervisors, police and detectives	88	4.8	7.1	4.3
Firefighting and fire prevention	218	2.2	7.3	4.5
Firefighting occupations	205	1.9	7.8	4.4
Police and detectives	666	10.9	14.6	5.2
Police and detectives, public service	402	7.0	11.7	6.3
Sheriffs, bailiffs, and other law enforcement officers	89	13.5	12.4	6.1
Correctional institution officers	174	18.7	22.4	2.3
Guards	741	18.4	19.0	6.4
Guards and police, except public service	642	12.5	20.1	7.1
Service occupations, except private household and protective service	11,913	65.0	16.6	9.0
Food preparation and service occupations	5,127	62.8	12.1	8.8
Supervisors	293	70.1	9.9	7.4
Bartenders	322	48.8	3.1	5.2
Waiters and waitresses	1,403	85.1	5.1	6.2
Cooks, except short order	1,563	50.6	17.2	9.6
Short-order cooks	111	36.8	22.6	6.1
Food counter, fountain, and related occupations	340	78.5	12.6	5.3
Kitchen workers, food preparation	126	76.3	18.2	11.1
Waiters' and waitresses' assistants	332	39.2	15.1	14.8
Miscellaneous food preparation	637	53.0	16.1	13.8
Health service occupations	1,823	89.9	25.1	5.7
Dental assistants	167	99.0	4.2	7.1
Health aides, except nursing	357	83.4	18.8	7.8
Nursing aides, orderlies, and attendants	1,299	90.5	29.5	5.0
Cleaning and building service occupations	2,861	41.5	23.8	12.8
Supervisors	146	33.4	18.6	9.7
Maids and housemen	583	84.8	29.8	13.9
Janitors and cleaners	2,075	30.9	22.9	12.7
Personal service occupations	2,101	80.8	10.3	7.2
Barbers	92	16.6	9.6	7.2
Hairdressers and cosmetologists	719	88.8	7.3	7.3
Attendants, amusement and recreation facilities	121	43.1	8.3	3.8
Public transportation attendants	71	77.1	7.3	6.2
Welfare service aides	87	91.7	22.5	12.9
Child care workers	762	96.5	11.4	6.9
Precision production, craft, and repair	13,405	8.6	7.5	7.7
Mechanics and repairers	4,374	3.5	7.3	6.9
Supervisors	247	8.1	5.0	4.3
Mechanics and repairers, except supervisors	4,127	3.2	7.4	7.1
Vehicle and mobile equipment mechanics and repairers	1,787	1.0	6.7	7.6
Automobile mechanics	871	1.0	7.6	8.4
Bus, truck, and stationery engine mechanics	337	.7	6.3	6.2
Aircraft engine mechanics	99	2.3	11.1	5.5
Small engine repairers	71	.3	2.8	3.0
Automobile body and related repairers	196	1.4	3.3	11.6
Heavy equipment mechanics	164	.6	6.8	4.9
Industrial machinery repairers	541	2.6	7.6	7.4
Electrical and electronic equipment repairers	710	9.0	7.9	6.0
Electronic repairers, communications, and industrial equipment	166	5.9	5.9	7.9
Data processing equipment repairers	133	11.1	9.6	3.0
Household appliance and power tool repairers	44	1.6	7.4	6.7
Telephone line installers and repairers	64	6.2	9.6	6.4
Telephone installers and repairers	228	13.3	8.1	6.0
Heating, air conditioning, and refrigeration mechanics	261	.3	6.1	7.5
Miscellaneous mechanics and repairers	791	4.1	8.2	6.4
Office machine repairers	59	1.6	9.7	3.2
Millwrights	92	1.3	6.2	2.2

See footnotes at end of table.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Occupation	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Construction trades	4,924	2.0	7.1	7.4
Supervisors	615	1.6	3.8	4.2
Construction trades, except supervisors	4,309	2.1	7.6	7.9
Brickmasons and stonemasons	177	.2	15.3	7.3
Carpet installers	104	.9	8.4	6.4
Carpenters	1,327	1.4	5.3	6.7
Drywall installers	158	2.4	5.4	13.2
Electricians	635	1.3	6.2	4.6
Electrical power installers and repairers	108	1.4	7.1	2.3
Painters, construction and maintenance	521	6.1	9.2	10.0
Plumbers, pipefitters, and steamfitters	473	.7	7.2	6.9
Concrete and terrazzo finishers	87	.9	31.3	19.5
Insulation workers	60	2.2	10.3	7.5
Roofers	187	1.4	9.5	13.5
Structural metal workers	68	.5	6.6	5.2
Extractive occupations	171	2.4	3.7	11.0
Supervisors	51	3.7	.9	6.4
Drillers, oil wells	42	.8	5.6	14.8
Precision production occupations	3,936	22.8	8.5	8.8
Supervisors	1,314	15.0	7.9	7.5
Precision metalworking	924	5.9	5.6	7.0
Tool and die makers	154	1.6	2.3	3.2
Machinists	488	3.7	5.7	8.0
Sheet-metal workers	137	6.2	7.1	6.3
Precision woodworking occupations	103	17.1	3.7	8.5
Cabinet makers and bench carpenters	61	6.3	1.5	6.9
Precision textile, apparel, and furnishings machine workers	273	57.5	8.2	13.6
Dressmakers	117	94.9	7.8	13.1
Upholsterers	79	24.6	8.6	11.2
Precision workers, assorted materials	535	57.3	11.1	10.8
Optical goods workers	58	55.9	3.5	1.8
Dental laboratory and medical appliance technicians	55	39.4	8.7	5.9
Electrical and electronic equipment assemblers	325	68.7	12.8	13.4
Precision food production occupations	435	29.4	14.4	12.8
Butchers and meat cutters	285	21.5	16.1	10.8
Bakers	110	39.0	13.4	13.3
Precision inspectors, testers, and related workers	115	21.5	8.9	9.2
Inspectors, testers, and graders	108	20.5	9.2	8.6
Plant and system operators	236	4.7	9.3	4.8
Stationary engineers	110	2.5	10.6	3.5
Operators, fabricators, and laborers	17,160	25.4	15.1	10.5
Machine operators, assemblers, and inspectors	7,911	40.3	14.7	12.1
Machine operators and tenders, except precision	5,246	41.6	15.6	12.9
Metalworking and plastic working machine operators	485	18.4	11.7	9.2
Lathe and turning machine operators	85	8.2	5.9	7.1
Punching and stamping press machine operators	136	31.8	11.9	10.0
Grinding, abrading, buffing, and polishing machine operators	148	14.2	14.7	11.1
Metal and plastic processing machine operators	162	21.8	9.3	9.8
Molding and casing machine operators	94	29.8	7.9	10.5
Woodworking machine operators	146	16.7	14.9	6.2
Sawing machine operators	91	13.5	15.3	6.8
Printing machine operators	463	28.4	6.3	6.9
Printing machine operators	305	14.5	7.4	7.5
Typesetters and compositors	79	72.4	1.5	7.4
Textile, apparel, and furnishings machine operators	1,323	79.8	21.4	15.9
Winding and twisting machine operators	82	75.7	38.3	.9
Textile sewing machine operators	737	90.6	17.1	21.0
Shoe machine operators	38	73.9	11.4	7.1
Pressing machine operators	136	71.9	33.7	13.2
Laundering and dry cleaning machine operators	190	65.5	23.7	11.4
Machine operators, assorted materials	2,639	31.7	15.6	13.8
Packaging and filling machine operators	402	60.1	21.8	17.0
Mixing and blending machine operators	94	7.7	18.3	13.7
Separating, filtering, and clarifying machine operators	63	13.6	11.9	10.2
Painting and paint spraying machine operators	190	17.4	13.6	13.4
Furnace, kiln, and oven operators, except food	109	4.1	10.7	6.3
Crushing and grinding machine operators	55	23.3	11.1	11.6
Slicing and cutting machine operators	231	24.7	13.3	16.9
Photographic process machine operators	91	53.1	7.8	5.4
Fabricators, assemblers, and hand working occupations	1,849	32.4	12.7	10.8
Welders and cutters	571	5.1	9.4	9.7
Assemblers	1,089	43.7	15.0	11.5
Production inspectors, testers, samplers, and weighers	817	49.6	13.6	9.5
Production inspectors, checkers, and examiners	658	51.0	12.7	8.1
Production testers	53	25.3	8.2	6.1
Graders and sorters, except agricultural	96	55.8	23.2	20.4

See footnotes at end of table.

22. Employed civilians by detailed occupation, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Occupation	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Transportation and material moving occupations	4,564	8.9	14.0	7.5
Motor vehicle operators	3,380	10.8	14.8	7.4
Truck drivers, heavy	1,805	2.1	13.8	7.0
Truck drivers, light	647	10.3	12.1	9.5
Drivers-sales workers	215	7.5	5.8	4.2
Bus drivers	415	50.4	24.0	5.4
Taxi-cab drivers and chauffeurs	187	12.5	21.9	11.6
Transportation occupations, except motor vehicles	203	2.1	3.9	4.3
Rail transportation occupations	143	2.1	5.0	4.8
Locomotive operating occupations	59	1.7	4.9	6.8
Water transportation occupations	59	2.1	1.1	3.2
Material moving equipment operators	981	3.6	13.6	8.7
Operating engineers	160	1.0	7.7	5.8
Crane and tower operators	85	.8	17.6	6.7
Excavating and loading machine operators	101	.5	6.1	5.8
Grader, dozer, and scraper operators	105	1.9	7.6	5.1
Industrial truck and tractor equipment operators	386	5.0	19.4	11.1
Handlers, equipment cleaners, helpers, and laborers	4,685	16.3	16.6	10.5
Helpers, construction and extractive occupations	177	4.6	14.4	15.8
Helpers, construction trades	161	4.8	15.6	16.2
Construction laborers	743	2.8	15.0	14.1
Production helpers	74	24.5	17.4	17.7
Freight, stock, and material handlers	1,713	15.8	17.0	8.2
Stock handlers and baggers	878	21.0	11.8	7.4
Machine feeders and offbearers	94	35.0	22.3	5.0
Garage and service station related occupations	286	5.8	10.3	8.6
Vehicle washers and equipment cleaners	213	14.8	20.8	12.8
Hand packers and packagers	302	64.1	16.8	12.0
Laborers, except construction	1,128	17.7	18.0	9.6
Farming, forestry, and fishing	3,444	15.9	6.5	10.5
Farm operators and managers	1,337	14.1	1.4	1.1
Farmers	1,207	14.1	1.5	.9
Farm managers	130	13.8	1.2	2.8
Other agricultural and related occupations	1,917	18.1	9.7	17.4
Farm occupations, except managerial	1,002	24.0	8.4	21.2
Farm workers	940	23.6	8.6	21.1
Related agricultural occupations	915	11.7	11.0	13.2
Supervisors	119	7.1	7.1	7.1
Groundskeepers and gardeners, except farm	704	5.2	12.1	14.7
Animal caretakers, except farm	75	65.9	5.0	4.6
Forestry and logging occupations	112	4.4	16.8	3.5
Timber cutting and logging	78	1.3	18.0	2.3
Fishers, hunters, and trappers	77	9.0	(¹)	11.7

¹ Less than 0.05 percent.

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

corrected 1985 annual average for employed technical, sales, and administrative support personnel is 33,231.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

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

(In thousands)

Age and sex	1986								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	98,299	1,235	16,342	80,722	7,881	255	1,547	1,447	169
16 to 19 years	6,128	254	359	5,516	71	15	195	27	35
16 to 17 years	2,451	174	112	2,165	32	7	96	16	21
18 to 19 years	3,677	79	247	3,351	39	9	99	11	15
20 to 24 years	13,082	140	1,166	11,776	306	19	305	62	15
25 to 34 years	29,447	199	4,328	24,920	1,946	45	457	281	25
35 to 44 years	22,988	178	4,844	17,967	2,256	70	244	276	26
45 to 54 years	14,836	188	3,245	11,402	1,581	55	173	278	26
55 to 64 years	9,731	162	2,053	7,517	1,191	36	119	301	26
55 to 59 years	5,942	85	1,294	4,564	689	24	68	156	16
60 to 64 years	3,789	77	759	2,953	503	12	51	145	10
65 years and over	2,087	114	347	1,625	528	14	53	222	15
Men, 16 years and over	53,075	180	7,805	45,089	5,271	35	1,230	1,227	54
16 to 19 years	3,048	67	158	2,822	47	9	166	26	27
16 to 17 years	1,216	47	50	1,119	22	4	79	15	15
18 to 19 years	1,831	20	108	1,703	25	5	87	10	13
20 to 24 years	6,720	28	516	6,176	199	8	255	58	10
25 to 34 years	16,213	26	2,045	14,142	1,269	6	358	241	5
35 to 44 years	12,393	16	2,288	10,088	1,471	1	177	223	1
45 to 54 years	8,117	13	1,597	6,508	1,081	2	131	222	1
55 to 64 years	5,458	13	1,025	4,420	834	4	98	258	2
55 to 59 years	3,335	6	654	2,676	477	2	57	130	1
60 to 64 years	2,122	7	371	1,744	357	2	42	129	1
65 years and over	1,127	17	176	933	369	4	45	200	8
Women, 16 years and over	45,225	1,055	8,537	35,633	2,610	219	317	220	115
16 to 19 years	3,081	187	201	2,693	24	6	29	1	8
16 to 17 years	1,234	127	62	1,046	10	2	17	1	6
18 to 19 years	1,846	60	139	1,648	14	4	12	-	2
20 to 24 years	6,362	112	650	5,601	107	11	51	5	5
25 to 34 years	13,234	173	2,283	10,778	678	39	99	40	21
35 to 44 years	10,596	161	2,556	7,878	785	69	67	53	25
45 to 54 years	6,719	176	1,649	4,894	500	52	42	56	26
55 to 64 years	4,274	149	1,028	3,097	357	32	21	43	24
55 to 59 years	2,607	79	640	1,888	212	22	11	27	15
60 to 64 years	1,667	70	388	1,209	145	10	10	16	9
65 years and over	960	97	171	692	159	10	8	21	7

24. Employed civilians in nonagricultural industries by sex and class of worker

(In thousands)

Industry and sex	1986					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
TOTAL						
Mining	880	853	1	852	26	1
Construction	7,288	5,886	513	5,373	1,369	33
Manufacturing	20,962	20,571	148	20,423	371	21
Durable goods	12,605	12,370	117	12,254	223	11
Nondurable goods	8,357	8,200	31	8,169	147	10
Transportation and public utilities	7,650	7,323	1,481	5,842	318	10
Wholesale and retail trade	22,813	20,926	112	20,813	1,787	101
Wholesale trade	4,416	4,102	4	4,098	296	17
Retail trade	18,397	16,823	108	16,715	1,491	83
Finance, insurance, and real estate	7,401	6,835	166	6,668	556	11
Services	34,337	30,802	8,816	21,986	3,455	79
Private households	1,241	1,235		1,235	6	
Other service industries	33,096	29,567	8,816	20,751	3,449	79
Business and repair	6,211	4,966	85	4,881	1,209	36
Personal, except private households	3,231	2,346	8	2,339	870	15
Entertainment and recreation	1,292	1,120	182	938	171	2
Professional	22,174	20,997	8,465	12,531	1,153	25
Hospitals	4,368	4,362	994	3,368	6	
Health services, except hospitals	3,761	3,439	365	3,074	310	13
Educational	8,257	8,173	6,450	1,723	83	1
Social services	2,539	2,339	544	1,795	195	4
Other	3,249	2,683	112	2,571	558	7
Forestry and fisheries	187	138	77	61	47	2
Public administration	5,104	5,104	5,104			
Men						
Mining	736	715		714	21	
Construction	6,663	5,352	471	4,880	1,307	4
Manufacturing	14,225	13,954	110	13,844	268	3
Durable goods	9,289	9,105	93	9,012	184	1
Nondurable goods	4,936	4,849	17	4,832	84	2
Transportation and public utilities	5,553	5,271	1,112	4,160	280	2
Wholesale and retail trade	11,990	10,888	45	10,843	1,089	14
Wholesale trade	3,154	2,904	4	2,900	249	1
Retail trade	8,836	7,984	41	7,943	840	13
Finance, insurance, and real estate	3,021	2,629	88	2,542	392	
Services	13,199	11,273	2,987	8,286	1,914	12
Private households	184	180		180	3	
Other service industries	13,015	11,093	2,987	8,106	1,911	12
Business and repair	3,845	2,989	54	2,935	851	5
Personal, except private households	1,024	814	3	812	206	4
Entertainment and recreation	765	647	101	546	118	
Professional	7,229	6,532	2,771	3,761	695	2
Hospitals	1,025	1,021	324	698	4	
Health services, except hospitals	860	621	92	529	238	
Educational	2,808	2,793	2,133	660	15	
Social services	798	757	148	610	40	
Other	1,738	1,399	74	1,265	398	
Forestry and fisheries	153	110	58	52	43	
Public administration	2,992	2,992	2,992			
Women						
Mining	143	138		138	5	1
Construction	625	535	42	493	62	28
Manufacturing	6,737	6,616	38	6,579	103	18
Durable goods	3,315	3,265	24	3,241	40	11
Nondurable goods	3,421	3,351	14	3,337	63	7
Transportation and public utilities	2,097	2,051	369	1,682	38	8
Wholesale and retail trade	10,823	10,038	68	9,970	698	87
Wholesale trade	1,262	1,199	1	1,198	47	16
Retail trade	9,561	8,839	67	8,772	651	71
Finance, insurance, and real estate	4,380	4,206	79	4,127	164	10
Services	21,137	19,529	5,830	13,700	1,540	68
Private households	1,057	1,055		1,055	2	
Other service industries	20,080	18,474	5,830	12,645	1,538	68
Business and repair	2,366	1,977	31	1,946	358	31
Personal, except private households	2,207	1,532	5	1,527	664	11
Entertainment and recreation	527	473	80	392	53	1
Professional	14,945	14,464	5,694	8,770	458	23
Hospitals	3,343	3,340	670	2,670	2	
Health services, except hospitals	2,901	2,818	273	2,545	72	11
Educational	5,449	5,380	4,317	1,063	68	1
Social services	1,741	1,582	396	1,186	155	4
Other	1,511	1,344	38	1,306	160	7
Forestry and fisheries	34	28	19	9	4	2
Public administration	2,112	2,112	2,112			

26. Employed civilians by industry, race, and occupation

(In thousands)

Industry and race	1986												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service ¹		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
WHITE													
Agriculture	2,958	58	63	26	15	101		12	42	11	38	15	2,577
Mining	832	134	89	32	13	94		7	260	26	138	37	-
Construction	6,682	830	120	63	75	426		26	3,886	89	429	724	15
Manufacturing	18,214	2,182	1,559	685	689	2,237		311	3,565	5,415	647	856	69
Durable goods	11,112	1,348	1,083	504	287	1,293		180	2,532	3,082	329	417	59
Nondurable goods	7,102	835	475	181	401	944		131	1,033	2,333	318	439	11
Transportation and public utilities	6,454	775	393	205	300	1,686		186	1,105	86	1,361	348	10
Wholesale and retail trade	20,305	1,659	365	87	8,679	2,111		3,568	1,322	237	773	1,478	27
Wholesale trade	4,042	430	65	37	1,661	769		28	276	100	398	268	10
Retail trade	16,263	1,229	300	50	7,018	1,341		3,541	1,046	137	375	1,211	17
Finance, insurance, and real estate	6,620	1,626	158	123	1,675	2,618	-	223	114	11	10	19	45
Services	29,385	3,461	9,151	1,540	706	4,990	721	5,605	1,593	557	412	284	364
Private households	919	3	8	3	1	12	721	57	8	2	3	17	85
Other service industries	28,466	3,459	9,143	1,537	705	4,978	-	5,548	1,585	555	409	267	279
Professional services	19,000	1,902	8,151	1,262	131	3,627		3,086	319	146	219	72	86
Public administration	4,211	923	588	191	18	1,114		1,028	196	30	40	37	47
BLACK													
Agriculture	155	1	1	1		2		2	3		5	2	138
Mining	32	2		2	-	9			9		6	3	-
Construction	498	24	6	3	3	13		5	263	4	47	130	1
Manufacturing	2,108	61	63	41	25	199		71	327	964	125	216	15
Durable goods	1,085	33	46	29	5	99		28	197	479	66	86	14
Nondurable goods	1,022	28	16	12	20	100		43	130	485	59	130	1
Transportation and public utilities	1,002	47	30	19	22	341		44	129	16	243	109	2
Wholesale and retail trade	1,771	87	15	6	562	158		447	103	44	113	235	3
Wholesale trade	268	11	2	2	38	46		7	20	25	61	54	1
Retail trade	1,503	76	13	4	524	112		439	83	19	51	181	2
Finance, insurance, and real estate	574	82	10	8	70	321	-	53	18	2	4	2	5
Services	3,942	238	735	171	65	608	235	1,442	127	126	83	65	49
Private households	291	-	2	2	-	-	235	23	2	-	1	3	21
Other service industries	3,651	237	733	169	65	608	-	1,418	125	126	82	62	27
Professional services	-	153	672	154	16	464		917	45	34	51	17	15
Public administration	732	117	76	25	3	246		181	32	10	15	14	13

¹ Includes protective service, not shown separately.

**HOUSEHOLD DATA
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27. Employed civilians in nonagricultural industries by sex, age, and race

(In thousands)

Sex, age, and race	1986									
	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services ¹	Public administration
			Total	Durable goods	Non-durable goods					
TOTAL										
Total, 16 years and over	880	7,288	20,962	12,605	8,357	7,650	22,813	7,401	33,096	5,104
16 to 19 years	8	321	522	247	275	126	3,278	214	1,419	72
20 years and over	871	6,966	20,439	12,357	8,082	7,524	19,535	7,187	31,676	5,033
20 to 24 years	70	1,049	2,306	1,352	954	654	4,086	997	3,748	357
25 years and over	802	5,917	18,133	11,004	7,127	6,870	15,450	6,190	27,929	4,676
25 to 54 years	704	5,142	15,418	9,377	6,040	5,983	12,841	5,245	23,346	3,979
55 years and over	98	775	2,715	1,627	1,087	887	2,609	945	4,583	697
Men, 16 years and over	736	6,663	14,225	9,289	4,936	5,553	11,990	3,021	13,015	2,992
16 to 19 years	7	300	346	177	170	83	1,611	56	608	25
20 years and over	729	6,362	13,879	9,113	4,766	5,470	10,380	2,965	12,408	2,968
20 to 24 years	57	968	1,507	969	538	433	2,043	270	1,449	173
25 years and over	672	5,394	12,372	8,144	4,227	5,037	8,336	2,695	10,959	2,795
25 to 54 years	591	4,685	10,498	6,925	3,573	4,335	6,930	2,162	8,909	2,385
55 years and over	81	709	1,874	1,219	654	702	1,406	533	2,050	410
Women, 16 years and over	143	625	6,737	3,315	3,421	2,097	10,823	4,380	20,080	2,112
16 to 19 years	1	21	176	71	105	43	1,667	157	811	47
20 years and over	142	604	6,561	3,245	3,316	2,054	9,156	4,222	19,269	2,065
20 to 24 years	13	81	800	384	416	221	2,043	727	2,299	185
25 years and over	129	522	5,762	2,861	2,901	1,833	7,114	3,494	16,970	1,880
25 to 54 years	112	456	4,920	2,453	2,467	1,648	5,911	3,082	14,436	1,593
55 years and over	17	66	842	408	434	185	1,203	412	2,534	287
White										
Men, 16 years and over	703	6,087	12,556	8,274	4,282	4,730	10,620	2,726	11,320	2,556
16 to 19 years	7	285	312	163	149	75	1,421	46	532	19
20 years and over	698	5,803	12,244	8,111	4,133	4,655	9,199	2,680	10,788	2,537
20 to 24 years	54	901	1,323	864	459	367	1,780	237	1,212	144
25 years and over	644	4,901	10,921	7,247	3,674	4,288	7,420	2,442	9,576	2,394
25 to 54 years	565	4,265	9,212	6,124	3,088	3,668	6,132	1,944	7,737	2,030
55 years and over	79	636	1,709	1,123	586	620	1,288	498	1,839	364
Women, 16 years and over	127	594	5,658	2,839	2,820	1,724	9,686	3,894	17,146	1,655
16 to 19 years	1	21	154	65	89	39	1,496	143	722	36
20 years and over	125	573	5,504	2,774	2,730	1,686	8,189	3,751	16,424	1,620
20 to 24 years	11	77	684	335	349	187	1,800	651	1,979	140
25 years and over	114	497	4,820	2,438	2,381	1,498	6,388	3,101	14,444	1,480
25 to 54 years	97	433	4,057	2,062	1,995	1,328	5,268	2,713	12,268	1,235
55 years and over	17	64	763	376	386	170	1,120	388	2,176	245
Black										
Men, 16 years and over	22	476	1,279	735	544	695	967	220	1,249	353
16 to 19 years	-	12	27	11	16	7	146	8	60	5
20 years and over	21	464	1,251	724	527	688	820	212	1,189	309
20 to 24 years	2	55	141	75	65	56	218	28	185	25
25 years and over	19	407	1,112	648	462	634	603	184	1,004	323
25 to 54 years	17	344	978	572	405	564	522	156	837	289
55 years and over	2	63	134	76	57	70	81	28	167	34
Women, 16 years and over	11	21	828	350	478	308	804	354	2,402	378
16 to 19 years	-	-	17	5	13	4	138	11	72	9
20 years and over	11	21	811	345	465	303	666	343	2,330	370
20 to 24 years	1	3	93	36	57	27	191	63	268	36
25 years and over	10	19	718	310	408	277	475	280	2,062	333
25 to 54 years	10	17	667	288	379	264	429	264	1,745	301
55 years and over	-	2	51	22	29	13	46	16	317	32

¹ Excludes private households.

28. Employed civilians by detailed industry, sex, race, and Hispanic origin

(Numbers in thousands)

Industry	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over	109,597	44.4	9.9	6.6
Agriculture	3,163	20.6	4.9	10.4
Agricultural production, crops	1,256	17.1	6.2	13.6
Agricultural production, livestock	1,136	22.6	2.7	3.7
Agricultural services, except horticultural	265	47.4	4.6	15.2
Horticultural services	506	10.9	6.6	15.0
Mining	880	16.3	3.7	6.9
Metal mining	42	10.6	1.2	12.1
Coal mining	192	5.4	1.1	1.1
Crude petroleum and natural gas extraction	536	21.8	4.7	8.9
Nonmetallic mining and quarrying, except fuel	109	10.9	3.7	5.4
Construction	7,288	8.6	6.8	7.2
Manufacturing	20,962	32.1	10.1	7.9
Durable goods	12,605	26.3	8.6	7.1
Lumber and wood products, except furniture	692	13.7	15.3	5.0
Logging	131	4.1	22.5	7
Sawmills, planing mills, and millwork	362	14.1	15.4	4.9
Wood buildings and mobile homes	67	16.4	6.6	6.1
Miscellaneous wood products	132	20.7	12.2	8.7
Furniture and fixtures	650	31.0	9.9	11.4
Stone, clay, glass, and concrete products	616	22.6	9.6	8.5
Glass and glass products	185	32.8	11.1	6.5
Cement, concrete, gypsum, and plaster products	221	9.7	8.8	8.6
Structural clay, pottery, and related products	80	29.2	14.9	13.2
Miscellaneous nonmetallic mineral and stone products	130	25.8	5.4	8.1
Primary metal industries	779	13.3	10.4	8.2
Blast furnaces, steelworks, rolling, and finishing mills	356	8.9	12.5	9.4
Iron and steel foundries	123	15.5	11.7	7.0
Primary aluminum industries	126	15.4	6.7	6.8
Other primary metal industries	174	19.4	7.7	7.8
Fabricated metal industries	1,303	22.8	7.2	9.8
Cutlery, hand tools, and other hardware	121	35.8	10.5	7.5
Fabricated structural metal products	475	16.4	6.0	10.0
Screw machine products	65	30.7	4.0	12.1
Metal forging and stampings	145	24.4	8.1	6.5
Ordnance	108	29.0	11.8	3.4
Miscellaneous and not specified fabricated metal products	390	22.8	6.6	12.8
Machinery, except electrical	2,503	23.2	6.0	5.0
Engines and turbines	91	17.3	4.9	1.8
Farm machinery and equipment	103	19.4	5.2	9.0
Construction and material handling machines	225	16.7	5.6	4.4
Metal working machinery	295	16.0	3.7	3.3
Office and accounting machines	97	34.9	11.0	4.5
Electronic computing equipment	656	34.2	6.6	4.6
Machinery, except electrical, n.e.c. and not specified	1,035	19.5	6.1	5.8
Electrical machinery, equipment and supplies	2,153	38.9	7.2	7.5
Household appliances	177	32.9	12.7	3.8
Radio, T.V., and communication equipment	512	37.4	7.8	6.3
Electrical machinery, equipment, and supplies, n.e.c. and not specified	1,463	40.2	6.3	8.4
Transportation equipment	2,679	20.6	11.4	6.0
Motor vehicles and motor vehicle equipment	1,213	20.3	14.6	4.7
Aircraft and parts	676	22.9	7.2	8.1
Ship and boat building and repairing	302	12.8	17.3	4.5
Guided missiles, space vehicles, and parts	401	25.1	5.9	6.1
Cycles and miscellaneous transportation equipment	65	16.3	2.4	14.6
Professional and photographic equipment, and watches	700	39.8	6.0	5.9
Scientific and controlling instruments	247	35.9	4.2	4.2
Optical and health services supplies	299	48.1	5.8	8.7
Photographic equipment and supplies	140	29.1	9.7	3.0
Toys, amusements, and sporting goods	119	49.4	4.3	14.5
Miscellaneous and not specified manufacturing industries	412	41.5	5.7	10.9
Nondurable goods	8,357	40.9	12.2	9.1
Food and kindred products	1,737	31.3	14.6	10.7
Meat products	407	35.7	22.2	10.6
Dairy products	186	23.7	8.2	3.2
Canned and preserved fruits and vegetables	229	41.6	11.7	19.1
Grain mill products	125	22.3	9.5	8.1
Bakery products	250	28.9	15.5	11.2
Sugar and confectionary products	108	43.8	14.0	12.5
Beverage industries	241	18.2	12.5	8.2
Miscellaneous and not specified food preparations and kindred products	192	35.5	13.3	11.3

See note at end of table.

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28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Industry	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Tobacco manufactures	63	33.1	23.1	1.3
Textile mill products	714	46.7	24.3	5.9
Knitting mills	129	68.4	15.5	12.0
Yarn, thread, and fabric mills	461	42.7	27.7	3.8
Apparel and other finished textile products	1,176	74.9	14.3	18.3
Apparel and accessories, except knit	993	77.1	13.8	18.1
Miscellaneous fabricated textile products	183	63.2	16.8	19.3
Paper and allied products	698	23.5	12.5	5.7
Pulp, paper, and paperboard mills	312	15.2	10.0	2.1
Miscellaneous paper and pulp products	193	35.1	16.0	5.2
Paperboard containers and boxes	193	25.5	13.2	12.2
Printing, publishing, and allied products	1,762	43.5	7.2	5.2
Newspaper publishing and printing	519	42.2	7.7	5.1
Printing, publishing, and allied industries, except newspapers	1,244	44.1	6.9	5.3
Chemicals and allied products	1,200	31.3	9.4	5.7
Plastics, synthetics, and resins	139	29.8	9.8	7.5
Drugs	245	46.5	8.5	4.3
Soaps and cosmetics	168	47.7	14.3	8.1
Paints, varnishes, and related products	64	22.9	8.3	10.4
Industrial and miscellaneous chemicals	536	22.1	8.2	4.8
Petroleum and coal products	169	13.7	10.1	6.4
Petroleum refining	149	13.9	9.1	7.0
Rubber and miscellaneous plastics products	688	34.1	8.6	12.6
Tires and inner tubes	87	16.2	19.6	3.3
Other rubber products, and plastics footwear and belting	140	34.8	6.4	18.4
Miscellaneous plastics products	462	37.3	7.2	12.6
Leather and leather products	149	52.3	6.9	11.9
Footwear, except rubber and plastic	98	55.4	5.5	6.0
Leather products, except footwear	41	51.5	11.3	26.3
Transportation, communications, and other public utilities	7,650	27.4	13.1	5.8
Transportation	4,608	24.3	13.8	6.5
Railroads	381	7.6	10.0	6.2
Bus service and urban transit	432	30.0	24.3	6.9
Taxicab service	108	13.2	25.6	10.5
Trucking service	1,670	13.5	10.5	6.2
Warehousing and storage	112	26.6	10.9	15.3
U.S. Postal Service	820	32.1	23.0	5.5
Water transportation	199	16.6	9.1	8.5
Air transportation	578	34.7	10.4	6.2
Services incidental to transportation	294	65.8	4.1	5.0
Communications	1,587	43.6	12.2	4.7
Radio and television broadcasting	252	41.3	7.7	2.7
Telephone (wire and radio)	1,128	45.8	14.0	4.8
Telegraph and miscellaneous communication services	206	34.6	7.4	6.8
Utilities and sanitary services	1,455	19.6	11.8	4.6
Electric light and power	645	20.8	8.9	3.7
Gas and steam supply systems	181	21.3	6.8	4.4
Electric and gas, and other combinations	183	25.5	6.6	4.0
Water supply and irrigation	197	19.4	12.4	6.6
Sanitary services	246	10.9	26.0	6.0
Wholesale and retail trade	22,813	47.4	7.8	6.7
Wholesale trade	4,416	28.6	6.1	6.4
Durable goods	2,427	27.6	5.1	5.4
Motor vehicles and equipment	248	27.2	5.3	7.5
Furniture and home furnishings	78	38.4	6.0	5.2
Lumber and construction materials	156	21.4	5.9	3.7
Metals and minerals, except petroleum	95	18.8	6.0	5.9
Electrical goods	296	31.2	6.3	5.8
Hardware, plumbing, and heating supplies	229	26.0	2.0	4.9
Machinery, equipment and supplies	1,061	28.0	4.3	4.0
Scrap and waste materials	135	17.4	13.3	9.5
Miscellaneous wholesale trade, durable goods	80	37.9	4.5	12.4
Nondurable goods	1,989	29.7	7.3	7.7
Paper and paper products	123	36.0	5.1	4.9
Drugs, chemicals, and allied products	197	38.7	5.6	6.4
Apparel, fabrics, and notions	125	43.3	7.5	13.6
Groceries and related products	722	23.7	10.4	11.4
Farm products—raw materials	94	27.9	3.3	2.9
Petroleum products	173	29.3	5.6	2.5
Alcoholic beverages	135	15.2	6.8	4.9
Farm supplies	141	25.2	3.9	1.9
Miscellaneous nondurable goods and not specified wholesale trade	279	40.3	5.4	6.5

See note at end of table.

28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Industry	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Retail trade	18,397	52.0	8.2	6.8
Lumber and building material retailing ..	465	27.0	7.5	5.5
Hardware stores	194	37.4	5.4	3.9
Retail nurseries and garden stores ..	84	35.1	3.6	5.1
Department stores	2,042	71.0	11.6	6.5
Variety stores	129	69.9	7.3	6.6
Miscellaneous general merchandise stores ..	121	63.0	16.5	9.3
Grocery stores	2,621	47.1	8.5	6.5
Dairy products stores ..	52	56.4	7.1	3.4
Retail bakeries	174	64.5	7.1	8.7
Food stores, n.e.c.	188	46.2	8.7	7.7
Motor vehicle dealers	1,088	18.9	5.4	5.6
Auto and home supply stores ..	433	18.8	5.6	8.1
Gasoline service stations	539	22.1	6.0	5.6
Miscellaneous vehicle dealers	105	18.8	4	3.1
Apparel and accessory stores, except shoe ..	772	78.9	7.5	7.9
Shoe stores	172	52.9	7.9	6.4
Furniture and home furnishings stores	560	38.9	5.2	7.0
Household appliances, T.V., and radio stores ..	437	32.4	6.6	5.1
Eating and drinking places	5,312	57.7	10.3	8.2
Drug stores	507	62.2	7.1	6.0
Liquor stores	136	37.6	10.2	5.7
Sporting goods, bicycles, and hobby stores ..	298	49.3	2.8	4.2
Book and stationery stores	185	58.9	5.9	4.8
Jewelry stores	182	58.6	2.1	9.1
Sewing, needlework, and piece goods stores ..	76	92.3	3.5	3.7
Mail order houses	102	66.6	9.2	6.7
Vending machine operators	65	34.1	4.0	1.0
Direct selling establishments	325	70.9	4.0	6.9
Fuel and ice dealers	107	18.6	4.4	1.0
Retail florists	186	72.4	2.8	6.2
Miscellaneous retail stores and not specified retail trade ..	704	59.1	4.7	5.2
Finance, insurance, and real estate	7,401	59.2	7.8	5.2
Banking	1,969	70.7	9.0	5.3
Savings and loan associations ..	246	75.4	5.4	7.4
Credit agencies, n.e.c.	460	68.0	6.9	4.6
Security, commodity brokerage, and investment companies ..	588	38.6	5.9	3.3
Insurance	2,212	59.8	8.6	3.9
Real estate, including real estate-insurance law offices ..	1,925	48.7	6.7	7.1
Services	34,337	61.6	11.5	5.9
Private households	1,241	85.2	23.5	12.0
Other service industries	33,096	60.7	11.0	5.7
Business and repair services	6,211	38.1	9.6	7.3
Advertising	270	54.1	4.1	4.9
Services to dwellings and other buildings	601	44.3	18.6	14.2
Commercial research, development, and testing labs ..	215	34.9	3.9	4.9
Personnel supply services	618	75.1	20.0	5.7
Business management and consulting services	446	50.7	6.0	2.1
Computer and data processing services ..	610	41.6	5.1	2.2
Detective and protective services	335	19.7	18.4	7.9
Business services, n.e.c.	1,211	51.6	8.0	5.9
Automobile services, except repair	332	22.1	11.7	8.5
Automobile repair shops	948	8.0	5.9	11.9
Electrical repair shops	120	11.4	5.7	9.2
Miscellaneous repair services	505	16.1	4.1	6.8
Personal services, except private household ..	3,231	68.3	12.2	8.7
Hotels and motels	1,089	58.3	17.0	12.9
Lodging places, except hotels and motels ..	434	86.1	7.1	5.9
Laundry, cleaning, and garment services ..	447	58.6	18.7	7.8
Beauty shops	741	88.2	7.5	7.4
Barber shops	92	17.7	9.7	6.6
Funeral service and crematories	73	31.2	12.5	.3
Entertainment and recreational services ..	1,292	40.8	9.3	5.4
Theaters and motion pictures	419	37.7	7.8	5.2
Bowling alleys, billiard and pool parlors ..	69	38.9	3.7	3.5
Miscellaneous entertainment and recreation services ..	804	42.5	10.5	5.6

See note at end of table.

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28. Employed civilians by detailed industry, sex, race, and Hispanic origin—Continued

(Numbers in thousands)

Industry	1986			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Professional and related services	22,174	67.4	11.4	4.8
Hospitals	4,368	76.5	15.8	5.3
Health services, except hospitals ..	3,761	77.1	11.1	4.4
Offices of physicians	896	69.6	3.1	5.6
Offices of dentists	497	73.7	2.6	3.5
Offices of chiropractors	66	61.1	1.1	1.4
Offices of optometrists	56	55.5	.6	2.4
Nursing and personal care facilities	1,339	88.0	20.5	3.6
Educational services	8,257	66.0	11.2	4.6
Elementary and secondary schools	5,510	71.9	12.0	4.9
Colleges and universities	2,342	51.0	9.6	4.1
Business, trade, and vocational schools	59	56.6	13.0	5.2
Libraries	180	78.7	12.5	4.0
Educational services, n.e.c.	167	69.0	6.2	2.5
Social services	1,805	77.8	16.6	6.5
Job training and vocational rehabilitation services	168	53.5	18.3	3.3
Child day care services	532	96.1	16.2	6.8
Residential care facilities, without nursing	348	73.0	12.4	3.4
Social services, n.e.c.	756	72.5	18.5	8.5
Other professional services	3,984	46.4	5.1	4.0
Legal services	1,034	55.8	4.4	3.9
Museums, art galleries, and zoos ..	92	55.6	8.1	3.8
Religious organizations	734	46.0	6.2	3.8
Membership organizations	433	58.1	10.9	5.8
Engineering, architectural, and surveying services	789	22.4	3.2	4.5
Accounting, auditing, and bookkeeping services	553	53.0	3.4	2.9
Noncommercial educational and scientific research	139	36.1	7.3	5.1
Miscellaneous professional and related services	209	53.5	2.3	2.0
Forestry and fisheries	187	18.4	4.1	7.7
Forestry	96	24.5	7.1	4.2
Fisheries	91	12.0	.9	11.4
Public administration	5,104	41.4	14.3	5.1
Executive and legislative offices	148	62.9	9.2	4.3
General government, n.e.c.	539	51.6	17.6	5.4
Justice, public order, and safety	1,722	28.1	12.6	4.9
Public finance, taxation, and monetary policy	379	56.4	12.7	4.5
Administration of human resources programs	628	66.0	19.6	4.9
Administration of environmental quality and housing programs	284	30.6	11.3	4.9
Administration of economic programs	532	40.4	11.1	3.8
National security and international affairs ..	871	37.5	16.5	6.7

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

29. Employed civilians with a job but not at work by reason, sex, and pay status

(in thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	1985	1986	Total		Wage and salary workers ¹			
			1985	1986	Paid absences		Unpaid absences	
					1985	1986	1985	1986
Total, 16 years and over	5,789	5,741	5,667	5,613	2,960	2,840	2,117	2,229
Vacation	3,338	3,234	3,301	3,194	2,221	2,118	849	855
Illness	1,308	1,292	1,281	1,265	504	492	662	670
Bad weather	141	128	112	103	(²)	(²)	(²)	(²)
Industrial dispute	42	56	42	56	(²)	(²)	(²)	(²)
All other reasons ³	960	1,030	931	995	234	230	607	704
Men, 16 years and over	2,856	2,828	2,757	2,725	1,552	1,494	859	910
Vacation	1,621	1,558	1,593	1,528	1,193	1,138	275	272
Illness	675	688	653	665	266	267	325	336
All other reasons ³	560	584	510	533	93	89	259	302
Women, 16 years and over	2,933	2,912	2,911	2,888	1,409	1,347	1,259	1,319
Vacation	1,717	1,676	1,708	1,666	1,028	981	574	583
Illness	633	604	628	600	240	225	337	334
All other reasons ³	583	632	575	621	141	141	349	402

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.

30. Persons at work by hours of work and type of industry

Hours of work	1986					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over	103,857	3,036	100,821	100.0	100.0	100.0
1 to 34 hours	25,227	877	24,350	24.3	28.9	24.2
1 to 4 hours	793	50	743	.8	1.6	.7
5 to 14 hours	4,438	221	4,217	4.3	7.3	4.2
15 to 29 hours	12,455	410	12,045	12.0	13.5	11.9
30 to 34 hours	7,541	196	7,345	7.3	6.5	7.3
35 hours and over	78,630	2,158	76,471	75.7	71.1	75.8
35 to 39 hours	7,003	147	6,855	6.7	4.8	6.8
40 hours	42,204	604	41,600	40.6	19.9	41.3
41 hours and over	29,423	1,407	28,016	28.3	46.4	27.8
41 to 48 hours	10,770	217	10,553	10.4	7.1	10.5
49 to 59 hours	10,618	394	10,224	10.2	13.0	10.1
60 hours and over	8,035	796	7,239	7.7	26.2	7.2
Average hours, total at work	39.1	44.3	38.9			
Average hours, workers on full-time schedules	43.5	51.8	43.3			

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

(Numbers in thousands)

Reason for working less than 35 hours	1986					
	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	25,227	7,443	17,783	24,350	7,146	17,203
Economic reasons	5,588	1,740	3,848	5,345	1,644	3,701
Slack work	2,456	1,408	1,048	2,305	1,323	982
Material shortages or repairs to plant and equipment	51	51	-	50	50	-
New job started during week	199	199	-	190	190	-
Job terminated during week	82	82	-	80	80	-
Could find only part-time work	2,800	-	2,800	2,719	-	2,719
Other reasons	19,638	5,703	13,935	19,004	5,502	13,502
Does not want, or unavailable for, full-time work	11,625	-	11,625	11,297	-	11,297
Vacation	1,350	1,350	-	1,334	1,334	-
Illness	1,597	1,449	148	1,564	1,426	138
Bad weather	510	510	-	418	418	-
Industrial dispute	9	9	-	9	9	-
Legal or religious holiday	867	867	-	865	865	-
Full time for this job	1,553	-	1,553	1,520	-	1,520
All other reasons	2,127	1,518	609	1,998	1,451	547
Average hours:						
Economic reasons	21.9	24.2	20.9	22.0	24.4	21.0
Other reasons	21.3	26.6	19.2	21.4	26.7	19.2
Worked 30 to 34 hours:						
Economic reasons	1,729	785	944	1,673	753	920
Other reasons	5,812	3,201	2,611	5,672	3,125	2,547

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

(Numbers in thousands)

Industry	1986								
	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	100,821	5,345	13,502	81,974	53,958	10,553	17,463	38.9	43.3
Wage and salary workers	93,182	4,745	12,202	76,235	51,403	9,978	14,854	38.8	42.9
Mining	797	32	13	752	422	115	215	44.6	45.9
Construction	5,621	389	256	4,976	3,457	567	952	39.8	42.3
Manufacturing	19,576	584	630	18,362	12,223	2,898	3,241	41.6	42.9
Durable goods	11,769	220	274	11,275	7,447	1,773	2,055	42.2	43.0
Nondurable goods	7,807	365	355	7,087	4,776	1,125	1,186	40.8	42.7
Transportation and public utilities	6,883	218	366	6,299	4,178	850	1,271	41.6	43.4
Wholesale and retail trade	20,069	1,632	4,590	13,847	8,355	2,128	3,364	36.7	43.9
Finance, insurance, and real estate	6,555	142	581	5,832	4,098	695	1,039	39.7	42.1
Service industries	28,821	1,674	5,531	21,616	15,193	2,302	4,121	36.7	42.5
Private households	1,191	247	527	417	279	38	100	24.9	44.7
All other industries	27,630	1,427	5,004	21,199	14,914	2,264	4,021	37.2	42.5
Public administration	4,859	73	235	4,551	3,477	422	652	40.4	41.7
Self-employed workers	7,384	586	1,198	5,600	2,476	562	2,562	41.2	48.5
Unpaid family workers	255	13	103	139	79	13	47	35.5	46.9

33. 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	1986							
	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								
Total, 16 years and over	100,821	5,345	13,502	81,974	53,958	28,016	38.9	43.3
16 to 19 years	6,008	720	3,193	2,095	1,646	449	25.6	40.4
16 to 17 years	2,393	219	1,838	336	282	54	19.3	38.7
18 to 19 years	3,615	501	1,354	1,760	1,367	393	29.7	40.7
20 years and over	94,813	4,625	10,310	79,878	52,311	27,567	39.8	43.3
20 to 24 years	12,924	1,026	1,963	9,935	7,047	2,888	37.2	42.2
25 years and over	81,888	3,597	8,346	69,945	45,265	24,680	40.2	43.5
25 to 44 years	53,873	2,426	4,559	46,888	29,786	17,102	40.7	43.7
45 to 64 years	25,600	1,062	2,598	21,940	14,701	7,239	40.0	43.3
65 years and over	2,415	111	1,189	1,115	777	338	28.9	42.6
Men, 16 years and over	55,655	2,399	4,018	49,238	29,005	20,233	41.9	44.7
16 to 19 years	3,006	351	1,500	1,155	870	285	26.8	41.0
16 to 17 years	1,195	112	885	198	163	35	20.3	39.6
18 to 19 years	1,811	237	614	960	711	249	31.0	41.3
20 years and over	52,649	2,050	2,518	48,081	28,133	19,948	42.7	44.8
20 to 24 years	6,700	486	789	5,425	3,534	1,891	39.0	43.2
25 years and over	45,950	1,563	1,728	42,659	24,600	18,059	43.2	45.0
25 to 44 years	30,032	1,081	619	28,332	15,896	12,436	43.9	45.2
45 to 64 years	14,538	429	494	13,615	8,240	5,375	43.1	44.6
65 years and over	1,380	54	616	710	461	249	30.7	43.4
Women, 16 years and over	45,166	2,945	9,485	32,736	24,953	7,783	35.3	41.1
16 to 19 years	3,002	369	1,693	940	776	164	24.4	39.6
16 to 17 years	1,198	106	953	139	120	19	18.3	37.5
18 to 19 years	1,804	264	740	800	656	144	28.4	39.9
20 years and over	42,164	2,575	7,792	31,797	24,178	7,619	36.1	41.2
20 to 24 years	6,225	541	1,174	4,510	3,512	998	35.3	40.9
25 years and over	35,939	2,036	6,618	27,285	20,663	6,622	36.3	41.2
25 to 44 years	23,841	1,345	3,941	18,555	13,889	4,666	36.8	41.3
45 to 64 years	11,063	634	2,104	8,325	6,457	1,868	36.0	41.0
65 years and over	1,036	57	573	406	317	89	26.5	41.3
RACE								
White, 16 years and over	87,806	4,317	12,243	71,246	45,554	25,692	39.1	43.5
Men	49,020	1,943	3,568	43,509	24,804	18,705	42.2	45.0
Women	38,786	2,373	8,675	27,738	20,751	6,987	35.2	41.2
Black, 16 years and over	10,073	873	916	8,284	6,639	1,645	37.6	41.2
Men	5,050	386	325	4,339	3,270	1,069	39.1	42.1
Women	5,024	487	592	3,945	3,369	576	36.1	40.2
MARITAL STATUS								
Men, 16 years and over:								
Married, spouse present	36,160	1,005	1,229	33,926	19,143	14,783	43.7	45.2
Widowed, divorced, or separated	5,333	286	241	4,806	2,845	1,961	42.4	44.8
Single (never married)	14,163	1,108	2,547	10,508	7,019	3,489	37.0	43.2
Women, 16 years and over:								
Married, spouse present	24,810	1,381	5,614	17,815	13,823	3,992	35.1	40.8
Widowed, divorced, or separated	8,890	651	1,077	7,162	5,255	1,907	37.6	41.7
Single (never married)	11,465	914	2,794	7,757	5,875	1,882	34.0	41.2

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

(Numbers in thousands)

Occupation and sex	1986								
	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 ¹	100,567	5,291	13,438	81,838	53,802	10,553	17,484	39.0	43.3
Managerial and professional specialty	24,944	491	2,187	22,265	12,707	2,815	6,743	42.2	44.9
Executive, administrative, and managerial	12,114	164	568	11,382	6,034	1,477	3,871	44.2	45.7
Professional specialty	12,829	327	1,619	10,883	6,673	1,339	2,872	40.2	44.0
Technical, sales, and administrative support	32,771	1,370	5,627	25,774	18,001	3,156	4,617	37.7	42.4
Technicians and related support	3,209	72	344	2,793	2,029	363	400	39.3	42.0
Sales occupations	12,668	745	2,575	9,348	4,930	1,334	3,085	38.9	45.6
Administrative support, including clerical	16,893	553	2,708	13,632	11,042	1,459	1,131	36.4	40.3
Service occupations	13,941	1,609	3,831	8,500	6,272	881	1,347	33.4	42.3
Private household	946	183	433	330	226	30	75	24.9	43.9
Protective service	1,689	52	145	1,492	919	225	349	42.1	45.1
Service, except private household and protective	11,306	1,373	3,254	6,678	5,128	627	923	32.8	41.6
Precision production, craft, and repair	12,735	656	448	11,630	7,547	1,705	2,378	41.4	43.3
Operators, fabricators, and laborers	16,177	1,165	1,344	13,668	9,275	1,995	2,398	39.5	42.9
Machine operators, assemblers, and inspectors	7,459	399	298	6,763	4,910	1,021	832	40.1	41.8
Transportation and material moving occupations	4,253	272	323	3,658	1,992	541	1,125	42.3	45.9
Handlers, equipment cleaners, helpers, and laborers	4,464	494	724	3,247	2,373	433	441	35.9	41.7
Men, 16 years and over ¹	55,303	2,342	3,924	49,036	28,809	6,838	13,389	41.9	44.7
Managerial and professional specialty	14,347	217	621	13,509	6,755	1,704	5,050	44.9	46.5
Executive, administrative, and managerial	7,675	95	210	7,370	3,421	933	3,016	46.1	47.2
Professional specialty	6,672	122	411	6,139	3,334	771	2,034	43.6	45.7
Technical, sales, and administrative support	11,661	283	1,017	10,361	5,681	1,512	3,168	42.4	45.3
Technicians and related support	1,711	21	96	1,594	1,093	213	288	41.2	42.8
Sales occupations	6,617	169	600	5,849	2,525	878	2,445	44.3	47.6
Administrative support, including clerical	3,333	93	322	2,918	2,062	421	435	39.3	42.1
Service occupations	5,521	455	1,048	4,017	2,777	476	765	37.0	43.5
Private household	38	8	13	17	11	2	4	28.5	(²)
Protective service	1,484	39	100	1,345	806	206	333	43.1	45.5
Service, except private household and protective	4,000	409	935	2,656	1,959	269	428	34.8	42.5
Precision production, craft, and repair	11,657	586	333	10,738	6,882	1,586	2,269	41.7	43.4
Operators, fabricators, and laborers	12,116	801	904	10,410	6,714	1,560	2,137	40.4	43.6
Machine operators, assemblers, and inspectors	4,476	166	119	4,192	2,860	681	651	41.4	42.7
Transportation and material moving occupations	3,890	230	199	3,461	1,856	514	1,092	43.3	46.1
Handlers, equipment cleaners, helpers, and laborers	3,749	405	586	2,757	1,998	365	394	36.2	41.9
Women, 16 years and over ¹	45,264	2,949	9,513	32,802	24,993	3,715	4,095	35.3	41.1
Managerial and professional specialty	10,596	274	1,566	8,756	5,952	1,111	1,693	38.4	42.3
Executive, administrative, and managerial	4,439	69	358	4,012	2,613	544	855	40.9	43.0
Professional specialty	6,157	205	1,208	4,744	3,339	567	838	36.5	41.7
Technical, sales, and administrative support	21,109	1,087	4,610	15,412	12,320	1,644	1,448	35.0	40.5
Technicians and related support	1,498	51	248	1,199	936	151	112	37.1	40.8
Sales occupations	6,051	576	1,976	3,500	2,404	455	640	33.0	42.3
Administrative support, including clerical	13,560	460	2,386	10,714	8,979	1,039	696	35.7	39.8
Service occupations	8,420	1,154	2,783	4,483	3,495	405	583	31.1	41.2
Private household	908	175	420	313	214	28	71	24.8	43.8
Protective service	206	14	44	148	112	19	16	34.8	41.4
Service, except private household and protective	7,306	964	2,319	4,022	3,169	358	495	31.8	41.0
Precision production, craft, and repair	1,078	70	115	893	665	119	109	37.9	41.4
Operators, fabricators, and laborers	4,061	364	440	3,258	2,561	435	262	37.0	40.6
Machine operators, assemblers, and inspectors	2,983	233	179	2,571	2,050	340	181	38.1	40.5
Transportation and material moving occupations	363	42	124	197	136	28	33	32.1	42.2
Handlers, equipment cleaners, helpers, and laborers	715	89	137	490	375	68	47	34.8	41.0

¹ Excludes farming, forestry, and fishing occupations.

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

35. Persons not in the labor force by reason, sex, and age

(In thousands)

Reason and sex	Total		Age							
	1985	1986	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			1985	1986	1985	1986	1985	1986	1985	1986
TOTAL										
Total not in labor force	62,744	62,752	6,604	6,570	4,379	4,128	21,564	21,414	30,197	30,641
Do not want a job now	56,812	56,926	5,285	5,314	3,409	3,219	18,524	18,355	29,592	30,034
Current activity:										
Going to school	6,288	6,305	3,994	4,131	1,513	1,377	764	773	17	23
Ill, disabled	3,914	4,061	29	36	91	102	1,884	1,951	1,908	1,973
Keeping house	27,136	26,366	386	353	1,306	1,286	12,996	12,639	12,447	12,085
Retired	14,857	15,599	-	-	-	-	379	383	14,479	15,216
Other activity	4,617	4,595	876	794	499	454	2,501	2,609	741	737
Want a job now	5,933	5,825	1,319	1,256	971	909	3,036	3,057	605	605
Reason for not looking:										
School attendance	1,455	1,422	960	911	263	261	224	245	7	5
Ill health, disability	803	842	18	20	70	65	537	572	178	184
Home responsibilities	1,317	1,304	62	72	272	255	947	939	36	38
Think cannot get a job	1,204	1,121	134	120	181	160	676	657	212	186
Job-market factors	820	776	96	71	121	123	504	492	99	90
Personal factors	383	345	38	50	60	37	171	166	112	95
Other reasons ¹	1,154	1,136	145	133	185	168	652	644	172	192
Men										
Total not in labor force	20,058	20,376	3,140	3,173	1,463	1,349	3,879	4,050	11,576	11,804
Do not want a job now	18,063	18,402	2,490	2,557	1,140	1,041	3,132	3,280	11,299	11,525
Current activity:										
Going to school	3,191	3,197	2,022	2,100	824	749	340	340	5	8
Ill, disabled	2,034	2,143	14	24	50	51	1,074	1,122	897	948
Keeping house	372	383	23	19	14	18	126	128	208	216
Retired	9,985	10,171	-	-	-	-	303	313	9,681	9,858
Other activity	2,481	2,508	431	414	252	223	1,289	1,377	508	495
Want a job now	1,996	1,974	650	616	323	308	745	769	277	281
Reason for not looking:										
School attendance	704	704	496	471	131	132	73	99	4	3
Ill health, disability	368	407	10	10	35	36	246	266	75	94
Think cannot get a job	505	437	71	68	88	65	238	224	108	80
Other reasons ¹	419	426	73	67	69	75	188	180	90	104
Women										
Total not in labor force	42,686	42,376	3,464	3,397	2,916	2,779	17,685	17,365	18,622	18,835
Do not want a job now	38,749	38,524	2,795	2,759	2,269	2,180	15,391	15,072	18,293	18,511
Current activity:										
Going to school	3,097	3,108	1,972	2,031	689	629	424	431	13	15
Ill, disabled	1,880	1,918	14	14	42	51	809	829	1,013	1,025
Keeping house	26,764	25,983	364	334	1,291	1,268	12,870	12,510	12,239	11,870
Retired	4,872	5,428	-	-	-	-	76	70	4,796	5,358
Other activity	2,136	2,087	445	380	247	232	1,212	1,232	232	243
Want a job now	3,937	3,851	671	639	647	600	2,291	2,291	327	324
Reason not looking:										
School attendance	751	718	465	440	132	129	150	148	3	2
Ill health, disability	435	435	8	9	34	29	292	306	102	90
Home responsibilities	1,317	1,304	62	72	272	255	947	939	36	38
Think cannot get a job	699	684	64	52	93	94	438	434	104	106
Other reasons	735	710	72	66	116	93	464	464	82	88

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

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

NOTE: Detail in tables 35 and 36 may not add to not-in-labor-force

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36. Persons not in the labor force by reason, race, Hispanic origin, age, and sex

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	1985	1986	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
WHITE												
Total not in labor force	53,753	53,631	8,441	8,194	18,133	17,952	27,178	27,485	16,901	17,173	36,852	36,458
Do not want a job now	49,399	49,369	683	6,681	15,888	15,703	26,678	26,986	15,430	15,705	33,969	33,664
Current activity:												
Going to school	4,909	4,886	4,328	4,287	563	584	16	17	2,494	2,486	2,415	2,400
Ill, disabled	3,150	3,288	94	110	1,489	1,556	1,569	1,623	1,648	1,759	1,502	1,529
Keeping house	24,238	23,475	1,373	1,364	11,485	11,119	11,379	10,990	275	303	23,963	23,172
Retired	13,389	14,043	-	-	341	352	13,048	13,691	9,050	9,192	4,339	4,851
Other activity	3,713	3,677	1,035	920	2,010	2,092	666	665	1,963	1,965	1,750	1,712
Want a job now	4,357	4,262	1,613	1,513	2,240	2,250	502	501	1,472	1,468	2,885	2,794
Reason for not looking:												
School attendance	1,028	986	872	820	152	162	5	4	530	503	498	483
Ill health, disability	576	602	56	57	381	405	138	139	277	310	299	292
Home responsibilities	999	977	235	231	732	713	32	34	-	-	999	977
Think cannot get a job	810	770	193	166	444	450	171	154	327	300	483	470
Other reasons ¹	944	927	257	239	531	520	156	170	338	355	606	572
BLACK												
Total not in labor force	7,299	7,335	2,067	1,998	2,661	2,662	2,572	2,676	2,570	2,583	4,729	4,752
Do not want a job now	5,926	5,982	1,457	1,416	1,979	1,978	2,488	2,588	2,129	2,158	3,796	3,824
Current activity:												
Going to school	1,001	1,006	895	902	104	102	1	2	487	489	513	517
Ill, disabled	687	694	22	23	351	354	313	315	346	342	341	353
Keeping house	2,255	2,228	266	230	1,075	1,071	914	927	86	70	2,169	2,158
Retired	1,227	1,305	-	-	30	25	1,197	1,281	779	813	448	492
Other activity	756	748	274	261	419	426	63	63	431	444	325	304
Want a job now	1,373	1,353	607	580	679	686	85	88	441	424	933	929
Reason for not looking:												
School attendance	366	374	312	313	53	59	2	1	141	166	226	208
Ill health, disability	215	216	32	24	146	153	37	40	85	84	130	132
Home responsibilities	277	284	89	85	183	194	4	5	-	-	277	284
Think cannot get a job	348	297	110	100	206	172	32	25	152	112	196	185
Other reasons ¹	167	182	64	58	91	108	10	17	63	62	104	120
HISPANIC ORIGIN												
Total not in labor force	4,217	4,268	1,225	1,215	1,971	1,972	1,019	1,080	1,157	1,158	3,059	3,110
Do not want a job now	(²)	3,741	(²)	995	(²)	1,688	(²)	1,055	(²)	995	(²)	2,747
Current activity:												
Going to school	(²)	601	(²)	537	(²)	63	(²)	1	(²)	283	(²)	318
Ill, disabled	(²)	305	(²)	12	(²)	188	(²)	104	(²)	182	(²)	123
Keeping house	(²)	2,014	(²)	319	(²)	1,262	(²)	432	(²)	28	(²)	1,987
Retired	(²)	503	(²)	-	(²)	10	(²)	493	(²)	321	(²)	182
Other activity	(²)	318	(²)	127	(²)	165	(²)	25	(²)	181	(²)	137
Want a job now	(²)	525	(²)	220	(²)	280	(²)	28	(²)	162	(²)	362
Reason for not looking:												
School attendance	(²)	121	(²)	101	(²)	20	(²)	-	(²)	53	(²)	68
Ill health, disability	(²)	63	(²)	10	(²)	42	(²)	12	(²)	33	(²)	30
Home responsibilities	(²)	160	(²)	48	(²)	109	(²)	6	(²)	-	(²)	160
Think cannot get a job	(²)	98	(²)	28	(²)	63	(²)	6	(²)	42	(²)	55
Other reasons ¹	(²)	83	(²)	33	(²)	46	(²)	4	(²)	34	(²)	49

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

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised not-in-labor

force data by reason are not available for 1985.

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

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

(In thousands)

Reason and sex	1986							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin ¹
TOTAL								
Personal factors:								
Employers think too young or old	131	16	1	30	86	109	13	7
Lacks education or training	135	24	23	86	3	95	31	17
Other personal handicap	79	10	13	50	6	66	10	3
Job-market factors:								
Could not find work	432	50	78	271	33	243	168	44
Thinks no job available	344	21	45	221	57	258	74	26
Men								
Personal factors:								
Employers think too young or old	55	9	1	12	34	43	6	4
Lacks education or training	36	10	9	18	-	22	11	4
Other personal handicap	38	8	6	24	1	32	4	2
Job-market factors:								
Could not find work	177	29	32	102	15	105	64	20
Thinks no job available	131	13	18	70	31	98	28	12
Women								
Personal factors:								
Employers think too young or old	76	7	-	18	52	66	8	2
Lacks education or training	99	13	14	69	3	73	20	14
Other personal handicap	41	3	7	26	6	34	6	2
Job-market factors:								
Could not find work	255	22	46	169	18	138	104	24
Thinks no job available	213	8	27	151	26	160	46	14

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates and are not comparable to previously published data.

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

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

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	1985	1986	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
TOTAL												
Do not intend to seek work	53,251	53,367	6,001	5,888	17,601	17,397	29,650	30,083	46,297	46,307	5,617	5,631
Intend to seek work in the next 12 months	9,490	9,382	4,981	4,808	3,964	4,016	545	557	7,453	7,323	1,682	1,704
Never worked	1,796	1,693	1,631	1,526	161	159	4	9	1,212	1,147	477	457
Last worked over 5 years ago	1,279	1,221	75	64	1,046	993	158	165	947	895	292	282
Last worked 1 to 5 years ago	2,097	2,013	621	585	1,276	1,241	200	188	1,636	1,559	385	371
Worked during previous 12 months	4,318	4,455	2,656	2,636	1,480	1,625	183	195	3,660	3,721	527	595
Men												
Do not intend to seek work	16,611	16,917	2,342	2,305	2,966	3,080	11,303	11,523	14,175	14,437	2,006	2,015
Intend to seek work in the next 12 months	3,446	3,457	2,259	2,217	914	969	272	272	2,725	2,736	564	568
Never worked	797	744	760	716	35	29	1	1	551	515	197	192
Last worked over 5 years ago	229	232	14	14	152	149	64	70	149	159	63	54
Last worked 1 to 5 years ago	613	587	201	185	310	310	103	93	482	462	102	94
Worked during previous 12 months	1,807	1,894	1,285	1,304	418	483	105	109	1,544	1,599	202	227
Women												
Do not intend to seek work	36,640	36,449	3,658	3,583	14,635	14,316	18,348	18,551	32,122	31,870	3,611	3,616
Intend to seek work in the next 12 months	6,044	5,925	2,721	2,592	3,050	3,047	273	284	4,728	4,587	1,118	1,137
Never worked	999	949	869	810	126	131	2	8	661	632	280	265
Last worked over 5 years ago	1,050	989	61	50	894	843	95	95	798	736	229	227
Last worked 1 to 5 years ago	1,484	1,426	420	400	966	931	97	95	1,154	1,097	283	276
Worked during previous 12 months	2,512	2,561	1,370	1,333	1,062	1,142	79	86	2,116	2,122	325	368

39. Employment status of the civilian noninstitutional population by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
TOTAL								
Civilian noninstitutional population	178,206	180,587	153,679	155,432	19,664	19,989	11,915	12,344
Civilian labor force	115,461	117,834	99,926	101,801	12,364	12,654	7,698	8,076
Percent of population	64.8	65.3	65.0	65.5	62.9	63.3	64.6	65.4
Employed	107,150	109,597	93,736	95,660	10,501	10,814	6,888	7,219
Agriculture	3,179	3,163	2,936	2,958	189	155	302	329
Nonagricultural industries	103,971	106,434	90,799	92,703	10,312	10,659	6,586	6,890
Unemployed	8,312	8,237	6,191	6,140	1,864	1,840	811	857
Unemployment rate	7.2	7.0	6.2	6.0	15.1	14.5	10.5	10.6
Not in labor force	62,744	62,752	53,753	53,631	7,299	7,335	4,217	4,268
Men, 16 years and over								
Civilian noninstitutional population	84,469	85,798	73,373	74,390	8,790	8,956	5,885	6,106
Civilian labor force	64,411	65,422	56,472	57,217	6,220	6,373	4,729	4,948
Percent of population	76.3	76.3	77.0	76.9	70.8	71.2	80.3	81.0
Employed	59,891	60,892	53,046	53,785	5,270	5,428	4,245	4,428
Agriculture	2,535	2,511	2,325	2,340	167	133	264	287
Nonagricultural industries	57,356	58,381	50,720	51,444	5,103	5,295	3,981	4,140
Unemployed	4,521	4,530	3,426	3,433	951	946	483	520
Unemployment rate	7.0	6.9	6.1	6.0	15.3	14.8	10.2	10.5
Not in labor force	20,058	20,376	16,901	17,173	2,570	2,583	1,157	1,158
Men, 20 years and over								
Civilian noninstitutional population	77,195	78,523	67,386	68,413	7,731	7,907	5,232	5,451
Civilian labor force	60,277	61,320	52,895	53,675	5,749	5,915	4,395	4,612
Percent of population	78.1	78.1	78.5	78.5	74.4	74.8	84.0	84.6
Employed	56,562	57,569	50,061	50,818	4,992	5,150	3,994	4,174
Agriculture	2,278	2,292	2,085	2,131	154	125	239	263
Nonagricultural industries	54,284	55,277	47,976	48,687	4,837	5,025	3,754	3,911
Unemployed	3,715	3,751	2,834	2,857	757	765	401	438
Unemployment rate	6.2	6.1	5.4	5.3	13.2	12.9	9.1	9.5
Not in labor force	16,918	17,203	14,490	14,738	1,982	1,991	837	839
Women, 16 years and over								
Civilian noninstitutional population	93,736	94,789	80,306	81,042	10,873	11,033	6,029	6,238
Civilian labor force	51,050	52,413	43,455	44,584	6,144	6,281	2,970	3,128
Percent of population	54.5	55.3	54.1	55.0	56.5	56.9	49.3	50.1
Employed	47,259	48,706	40,690	41,876	5,231	5,386	2,642	2,791
Agriculture	644	652	611	617	22	22	38	42
Nonagricultural industries	46,615	48,054	40,079	41,259	5,209	5,364	2,604	2,749
Unemployed	3,791	3,707	2,765	2,708	913	894	327	337
Unemployment rate	7.4	7.1	6.4	6.1	14.9	14.2	11.0	10.8
Not in labor force	42,686	42,376	36,852	36,458	4,729	4,752	3,059	3,110
Women, 20 years and over								
Civilian noninstitutional population	86,506	87,567	74,394	75,140	9,773	9,945	5,385	5,591
Civilian labor force	47,283	48,589	40,190	41,264	5,727	5,855	2,725	2,893
Percent of population	54.7	55.5	54.0	54.9	58.6	58.9	50.6	51.7
Employed	44,154	45,556	37,907	39,050	4,977	5,128	2,456	2,615
Agriculture	596	614	566	580	19	22	31	39
Nonagricultural industries	43,558	44,943	37,341	38,471	4,959	5,106	2,424	2,576
Unemployed	3,129	3,032	2,283	2,213	750	728	269	278
Unemployment rate	6.6	6.2	5.7	5.4	13.1	12.4	9.9	9.6
Not in labor force	39,222	38,979	34,204	33,876	4,046	4,090	2,660	2,698
Both sexes, 16 to 19 years								
Civilian noninstitutional population	14,506	14,496	11,900	11,879	2,160	2,137	1,298	1,302
Civilian labor force	7,901	7,926	6,841	6,862	889	883	579	571
Percent of population	54.5	54.7	57.5	57.8	41.2	41.3	44.6	43.9
Employed	6,434	6,472	5,768	5,792	532	536	438	430
Agriculture	305	258	285	247	16	8	31	27
Nonagricultural industries	6,129	6,215	5,483	5,545	516	529	407	403
Unemployed	1,468	1,454	1,074	1,070	357	347	141	141
Unemployment rate	18.6	18.3	15.7	15.6	40.2	39.3	24.3	24.7
Not in labor force	6,604	6,570	5,058	5,017	1,271	1,254	719	730

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

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40. Employment status of civilians of Mexican, Puerto Rican, and Cuban origin by sex and age

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1985	1986	1985	1986	1985	1986	1985	1986
TOTAL								
Civilian noninstitutional population	11,915	12,344	(²)	7,377	(²)	1,494	(²)	842
Civilian labor force	7,698	8,076	(²)	4,941	(²)	804	(²)	570
Percent of population	64.6	65.4	(²)	67.0	(²)	53.8	(²)	67.7
Employed	6,888	7,219	4,117	4,387	743	691	527	533
Agriculture	302	329	(²)	290	(²)	10	(²)	6
Nonagricultural industries	6,586	6,890	(²)	4,096	(²)	682	(²)	527
Unemployed	811	857	(²)	555	(²)	113	(²)	36
Unemployment rate	10.5	10.6	(²)	11.2	(²)	14.0	(²)	6.4
Not in labor force	4,217	4,268	(²)	2,436	(²)	690	(²)	272
Men, 16 years and over								
Civilian noninstitutional population	5,885	6,106	(²)	3,771	(²)	665	(²)	422
Civilian labor force	4,728	4,948	(²)	3,120	(²)	489	(²)	331
Percent of population	80.3	81.0	(²)	82.7	(²)	73.5	(²)	78.4
Employed	4,245	4,428	2,621	2,778	449	423	308	310
Agriculture	264	287	(²)	257	(²)	8	(²)	5
Nonagricultural industries	3,981	4,140	(²)	2,521	(²)	416	(²)	305
Unemployed	483	520	(²)	342	(²)	65	(²)	21
Unemployment rate	10.2	10.5	(²)	11.0	(²)	13.4	(²)	6.5
Not in labor force	1,157	1,158	(²)	652	(²)	176	(²)	91
Men, 20 years and over								
Civilian noninstitutional population	5,232	5,451	(²)	3,336	(²)	583	(²)	399
Civilian labor force	4,395	4,612	(²)	2,879	(²)	455	(²)	320
Percent of population	84.0	84.6	(²)	86.3	(²)	78.0	(²)	80.2
Employed	3,994	4,174	(²)	2,596	(²)	399	(²)	301
Agriculture	239	263	(²)	234	(²)	7	(²)	5
Nonagricultural industries	3,754	3,911	(²)	2,362	(²)	392	(²)	296
Unemployed	401	438	(²)	283	(²)	57	(²)	19
Unemployment rate	9.1	9.5	(²)	9.8	(²)	12.5	(²)	5.9
Not in labor force	837	839	(²)	457	(²)	128	(²)	79
Women, 16 years and over								
Civilian noninstitutional population	6,029	6,238	(²)	3,605	(²)	829	(²)	420
Civilian labor force	2,970	3,128	(²)	1,821	(²)	316	(²)	239
Percent of population	49.3	50.1	(²)	50.5	(²)	38.1	(²)	56.9
Employed	2,642	2,791	1,496	1,609	294	268	219	224
Agriculture	38	42	(²)	34	(²)	2	(²)	1
Nonagricultural industries	2,604	2,749	(²)	1,575	(²)	266	(²)	223
Unemployed	327	337	(²)	213	(²)	47	(²)	15
Unemployment rate	11.0	10.8	(²)	11.7	(²)	15.0	(²)	6.3
Not in labor force	3,059	3,110	(²)	1,784	(²)	514	(²)	181
Women, 20 years and over								
Civilian noninstitutional population	5,385	5,591	(²)	3,182	(²)	736	(²)	403
Civilian labor force	2,725	2,893	(²)	1,663	(²)	287	(²)	231
Percent of population	50.6	51.7	(²)	52.3	(²)	39.0	(²)	57.3
Employed	2,456	2,615	(²)	1,491	(²)	249	(²)	218
Agriculture	31	39	(²)	31	(²)	2	(²)	1
Nonagricultural industries	2,424	2,576	(²)	1,460	(²)	247	(²)	217
Unemployed	269	278	(²)	172	(²)	38	(²)	13
Unemployment rate	9.9	9.6	(²)	10.3	(²)	13.1	(²)	5.7
Not in labor force	2,660	2,698	(²)	1,519	(²)	449	(²)	171
Both sexes, 16 to 19 years								
Civilian noninstitutional population	1,298	1,302	(²)	859	(²)	175	(²)	41
Civilian labor force	579	571	(²)	399	(²)	62	(²)	18
Percent of population	44.6	43.9	(²)	46.4	(²)	35.4	(²)	43.9
Employed	438	430	(²)	299	(²)	44	(²)	14
Agriculture	31	27	(²)	26	(²)	1	(²)	-
Nonagricultural industries	407	403	(²)	274	(²)	43	(²)	14
Unemployed	141	141	(²)	100	(²)	18	(²)	4
Unemployment rate	24.3	24.7	(²)	25.0	(²)	29.5	(²)	(²)
Not in labor force	719	730	(²)	460	(²)	113	(²)	23

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

² Beginning in January 1986, data for persons of Hispanic origin have

been revised to reflect new population estimates. Revised data are not available for 1985.

³ Data not shown where base is less than 35,000.

41. Employed civilians by selected social and economic categories, race, and Hispanic origin

(In thousands)

Category	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
CHARACTERISTIC								
Total (all civilian workers)	107,150	109,597	93,736	95,660	10,501	10,814	6,888	7,219
Men	59,891	60,892	53,046	53,785	5,270	5,428	4,245	4,428
Women	47,259	48,706	40,690	41,876	5,231	5,386	2,642	2,791
OCCUPATION								
Managerial and professional specialty	25,851	26,554	23,561	24,134	1,514	1,594	871	923
Executive, administrative, and managerial	12,221	12,642	11,256	11,649	649	658	442	466
Professional specialty	13,630	13,911	12,305	12,485	865	936	429	457
Technical, sales, and administrative support	33,231	34,354	29,553	30,497	2,785	2,923	1,705	1,812
Technicians and related support	3,255	3,364	2,823	2,953	291	277	134	134
Sales occupations	12,667	13,245	11,669	12,168	696	750	575	646
Administrative support, including clerical	17,309	17,745	15,061	15,377	1,798	1,896	995	1,032
Service occupations	14,441	14,680	11,432	11,685	2,522	2,480	1,211	1,298
Private household	1,006	981	692	721	291	235	101	127
Protective service	1,718	1,787	1,428	1,487	259	268	103	99
Service, except private household and protective	11,718	11,913	9,312	9,478	1,972	1,977	1,006	1,071
Precision production, craft, and repair	13,340	13,405	12,107	12,083	946	1,009	1,025	1,031
Mechanics and repairers	4,475	4,374	4,073	3,959	308	318	305	302
Construction trades	4,745	4,924	4,359	4,497	317	349	340	366
Other precision production, craft, and repair	4,120	4,108	3,675	3,627	321	342	381	363
Operators, fabricators, and laborers	16,816	17,160	13,951	14,107	2,465	2,583	1,737	1,795
Machine operators, assemblers, and inspectors	7,840	7,911	6,483	6,462	1,120	1,167	944	956
Transportation and material moving occupations	4,535	4,564	3,849	3,847	620	641	328	344
Handlers, equipment cleaners, helpers, and laborers	4,441	4,685	3,618	3,798	725	776	466	494
Construction laborers	686	743	562	619	114	112	92	105
Other handlers, equipment cleaners, helpers, and laborers	3,755	3,942	3,056	3,179	610	665	374	389
Farming, forestry, and fishing	3,470	3,444	3,132	3,154	269	224	337	360
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,535	1,547	1,355	1,397	151	120	268	292
Self-employed workers	1,458	1,447	1,400	1,395	36	33	33	36
Unpaid family workers	185	169	181	165	2	2	1	2
Nonagricultural industries:								
Wage and salary workers	95,871	98,299	83,274	85,157	9,965	10,308	6,233	6,484
Government	16,031	16,342	13,247	13,364	2,325	2,468	858	862
Private industries	79,841	81,957	70,026	71,792	7,640	7,840	5,375	5,622
Private households	1,249	1,235	869	914	349	291	115	149
Other industries	78,592	80,722	69,158	70,878	7,291	7,549	5,261	5,474
Self-employed workers	7,811	7,881	7,259	7,311	343	347	339	392
Unpaid family workers	289	255	267	235	3	4	13	13
FULL- AND PART-TIME STATUS²								
Full-time schedules	86,795	88,789	75,812	77,332	8,579	8,875	5,738	5,957
Part time for economic reasons	5,590	5,588	4,532	4,523	916	904	501	568
Part time for noneconomic reasons	14,764	15,221	13,392	13,806	1,006	1,036	647	694

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

² Employed persons "with a job but not at work" are distributed

according to whether they usually work full or part time.

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

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42. Employed civilians 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	
	1985	1986	1985	1986	1985	1986	1985	1986
CHARACTERISTIC								
Total (all civilian workers)	6,888	7,219	4,117	4,387	743	691	527	533
Men	4,245	4,428	2,621	2,778	449	423	308	310
Women	2,642	2,791	1,496	1,609	294	268	219	224
OCCUPATION								
Managerial and professional specialty	871	923	408	460	109	98	94	106
Executive, administrative, and managerial	442	466	214	236	53	47	48	59
Professional specialty	429	457	195	224	55	51	47	47
Technical, sales, and administrative support	1,705	1,812	947	1,008	205	204	160	180
Technicians and related support	134	134	75	71	19	14	9	13
Sales occupations	575	646	328	365	54	65	56	69
Administrative support, including clerical	995	1,032	544	573	132	125	95	98
Service occupations	1,211	1,298	689	760	142	132	64	69
Private household	101	127	49	68	3	2	2	4
Protective service	103	99	55	55	22	18	4	6
Service, except private household and protective	1,006	1,071	586	637	117	112	58	59
Precision production, craft, and repair	1,025	1,031	676	676	82	87	88	70
Mechanics and repairers	305	302	202	194	24	23	22	24
Construction trades	340	366	237	258	23	25	26	21
Other precision production, craft, and repair	381	363	238	225	36	38	39	25
Operators, fabricators, and laborers	1,737	1,795	1,098	1,171	197	159	117	101
Machine operators, assemblers, and inspectors	944	956	559	595	115	86	67	56
Transportation and material moving occupations	328	344	216	226	36	34	23	20
Handlers, equipment cleaners, helpers, and laborers	466	494	322	350	47	39	27	26
Construction laborers	92	105	75	84	3	5	4	4
Other handlers, equipment cleaners, helpers, and laborers	374	389	247	267	44	34	23	21
Farming, forestry, and fishing	337	360	298	311	10	13	5	8
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	268	292	247	262	6	9	2	3
Self-employed workers	33	36	24	27			3	3
Unpaid family workers	1	2	-	1				
Nonagricultural industries:								
Wage and salary workers	6,233	6,484	3,643	3,868	715	657	474	480
Government	858	862	518	533	121	121	40	39
Private industries	5,375	5,622	3,125	3,335	595	537	434	441
Private households	115	149	58	84	3	3	2	4
Other industries	5,261	5,474	3,067	3,251	592	534	432	437
Self-employed workers	339	392	192	220	21	25	48	46
Unpaid family workers	13	13	10	8	1	-	1	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	5,738	5,957	3,395	3,579	636	591	458	458
Part time for economic reasons	501	568	357	404	33	39	23	20
Part time for noneconomic reasons	647	694	364	403	74	61	48	55

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 according to whether they usually work full or part time.

NOTE: Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

43. Employed civilians by sex, age, race, and Hispanic origin

(In thousands)

Sex and age	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	107,150	109,597	93,736	95,660	10,501	10,814	6,888	7,219
16 to 19 years	6,434	6,472	5,768	5,792	532	536	438	430
16 to 17 years	2,492	2,622	2,270	2,386	175	183	144	146
18 to 19 years	3,941	3,850	3,498	3,406	356	353	294	284
20 to 24 years	13,980	13,790	12,235	12,027	1,399	1,429	1,187	1,231
25 years and over	86,736	89,335	75,733	77,841	8,571	8,849	5,262	5,558
25 to 54 years	72,449	75,011	62,956	65,011	7,350	7,654	4,701	5,008
55 years and over	14,287	14,324	12,776	12,830	1,220	1,196	561	550
Men, 16 years and over	59,891	60,892	53,046	53,785	5,270	5,428	4,245	4,428
16 to 19 years	3,328	3,323	2,985	2,966	278	278	251	254
16 to 17 years	1,300	1,352	1,185	1,225	92	96	82	82
18 to 19 years	2,029	1,971	1,800	1,741	186	182	169	172
20 to 24 years	7,339	7,250	6,428	6,340	726	732	727	773
25 years and over	49,223	50,319	43,633	44,478	4,266	4,417	3,267	3,402
25 to 54 years	40,775	41,912	35,963	36,853	3,650	3,799	2,911	3,053
55 years and over	8,448	8,407	7,670	7,624	615	619	356	348
Women, 16 years and over	47,259	48,706	40,690	41,876	5,231	5,386	2,642	2,791
16 to 19 years	3,105	3,149	2,783	2,825	254	259	187	176
16 to 17 years	1,193	1,270	1,085	1,160	83	87	62	64
18 to 19 years	1,913	1,879	1,698	1,665	171	171	125	112
20 to 24 years	6,640	6,540	5,807	5,687	673	696	460	458
25 years and over	37,513	39,016	32,100	33,363	4,305	4,432	1,995	2,156
25 to 54 years	31,674	33,099	26,993	28,158	3,700	3,855	1,790	1,955
55 years and over	5,839	5,916	5,106	5,206	605	577	205	202

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

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

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
Total, 16 years and over	7.2	7.0	6.2	6.0	15.1	14.5	10.5	10.6
16 to 19 years	18.6	18.3	15.7	15.6	40.2	39.3	24.3	24.7
16 to 17 years	21.0	20.2	18.3	17.6	43.6	43.0	27.8	28.1
18 to 19 years	17.0	17.0	13.9	14.1	38.3	37.2	22.5	22.9
20 to 24 years	11.1	10.7	9.2	8.7	24.5	24.1	12.6	12.9
25 years and over	5.6	5.4	4.9	4.8	10.9	10.5	8.7	8.8
25 to 54 years	5.8	5.7	5.1	5.0	11.5	11.1	8.8	8.8
55 years and over	4.1	3.9	3.8	3.6	7.0	6.2	7.8	7.9
Men, 16 years and over	7.0	6.9	6.1	6.0	15.3	14.8	10.2	10.5
16 to 19 years	19.5	19.0	16.5	16.3	41.0	39.3	24.7	24.5
16 to 17 years	21.9	20.8	19.2	18.4	42.9	41.4	29.1	28.5
18 to 19 years	17.9	17.7	14.7	14.7	40.0	38.2	22.4	22.4
20 to 24 years	11.4	11.0	9.7	9.2	23.5	23.5	12.9	13.0
25 years and over	5.3	5.4	4.7	4.7	11.1	10.9	8.2	8.7
25 to 54 years	5.6	5.6	4.9	4.9	11.6	11.4	8.3	8.7
55 years and over	4.1	4.1	3.8	3.8	8.1	7.3	7.3	8.2
Women, 16 years and over	7.4	7.1	6.4	6.1	14.9	14.2	11.0	10.8
16 to 19 years	17.6	17.6	14.8	14.9	39.2	39.2	23.8	25.1
16 to 17 years	20.0	19.6	17.2	16.7	44.3	44.6	26.2	27.6
18 to 19 years	16.0	16.3	13.1	13.6	36.4	36.1	22.6	23.6
20 to 24 years	10.7	10.3	8.5	8.1	25.6	24.7	12.1	12.9
25 years and over	5.9	5.5	5.1	4.9	10.7	10.1	9.4	8.8
25 to 54 years	6.2	5.9	5.4	5.1	11.5	10.9	9.4	9.1
55 years and over	4.1	3.6	3.9	3.4	5.9	5.0	8.7	6.9

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have

been revised and are not comparable to previously published data.

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
DURATION								
Total, 16 years and over	8,312	8,237	6,191	6,140	1,864	1,840	811	857
Less than 5 weeks	3,498	3,448	2,676	2,629	713	712	359	391
5 to 14 weeks	2,509	2,557	1,869	1,906	561	574	253	264
15 weeks and over	2,305	2,232	1,646	1,605	589	554	198	202
15 to 26 weeks	1,025	1,045	748	772	247	235	100	100
27 weeks and over	1,280	1,187	898	834	342	319	98	103
Average (mean) duration, in weeks	15.6	15.0	15.0	14.5	17.6	17.1	13.3	13.2
Median duration, in weeks	6.8	6.9	6.6	6.6	8.0	7.9	6.5	6.1
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.1	41.9	43.2	42.8	38.3	38.7	44.3	45.6
5 to 14 weeks	30.2	31.0	30.2	31.0	30.1	31.2	31.2	30.8
15 weeks and over	27.7	27.1	26.6	26.1	31.6	30.1	24.5	23.6
15 to 26 weeks	12.3	12.7	12.1	12.6	13.3	12.8	12.4	11.7
27 weeks and over	15.4	14.4	14.5	13.6	18.4	17.3	12.1	12.0

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

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

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin ¹	
	1985	1986	1985	1986	1985	1986	1985	1986
NUMBER OF UNEMPLOYED								
Total, 16 years and over	8,312	8,237	6,191	6,140	1,864	1,840	811	857
Job losers	4,139	4,033	3,146	3,076	890	846	453	472
On layoff	1,157	1,090	984	922	151	145	101	108
Other job losers	2,982	2,943	2,162	2,154	739	701	352	364
Job leavers	877	1,015	727	825	110	161	81	85
Reentrants	2,256	2,160	1,635	1,560	546	526	173	186
New entrants	1,039	1,029	682	680	317	306	104	115
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.8	48.9	50.8	50.1	47.8	46.0	55.9	55.0
On layoff	13.9	13.2	15.9	15.0	8.1	7.9	12.5	12.6
Other job losers	35.9	35.7	34.9	35.1	39.6	38.1	43.4	42.4
Job leavers	10.6	12.3	11.7	13.4	5.9	8.8	9.9	9.9
Reentrants	27.1	26.2	26.4	25.4	29.3	28.6	21.3	21.7
New entrants	12.5	12.5	11.0	11.1	17.0	16.7	12.9	13.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.6	3.4	3.2	3.0	7.2	6.7	5.9	5.8
Job leavers .....	.8	.9	.7	.8	.9	1.3	1.0	1.1
Reentrants	2.0	1.8	1.6	1.5	4.4	4.2	2.2	2.3
New entrants .....	.9	.9	.7	.7	2.6	2.4	1.4	1.4

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Data for 1985 have been revised and are not comparable to previously published data.

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	1985	1986	Total		Employed		Unemployed			
			1985	1986	1985	1986	Number		Percent of labor force	
							1985	1986	1985	1986
VIETNAM-ERA VETERANS										
Total, 30 years and over	7,641	7,746	7,154	7,196	6,785	6,835	369	361	5.2	5.0
30 to 44 years	6,499	6,381	6,259	6,097	5,923	5,773	336	324	5.4	5.3
30 to 34 years	1,382	1,153	1,327	1,087	1,231	1,000	96	87	7.2	8.0
35 to 39 years	3,345	3,041	3,229	2,916	3,057	2,761	172	155	5.3	5.3
40 to 44 years	1,772	2,187	1,703	2,094	1,635	2,012	68	82	4.0	3.9
45 years and over	1,142	1,365	895	1,099	862	1,062	33	37	3.7	3.4
NONVETERANS										
Total, 30 to 44 years	17,238	18,395	16,337	17,406	15,474	16,455	863	951	5.3	5.5
30 to 34 years	7,946	8,516	7,579	8,098	7,144	7,638	435	460	5.7	5.7
35 to 39 years	4,977	5,683	4,703	5,378	4,477	5,093	226	285	4.8	5.3
40 to 44 years	4,315	4,196	4,055	3,930	3,853	3,724	202	206	5.0	5.2

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 30 to 44 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 Vietnam theater of operations, these data are not regularly collected.

**HOUSEHOLD DATA
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48. Employment status of male Vietnam-era veterans and nonveterans by age, race, and Hispanic origin

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986	1985	1986
TOTAL, 30 to 44 years												
Civilian noninstitutional population	5,795	5,675	598	603	(¹)	282	14,821	15,812	1,776	1,857	(¹)	1,596
Civilian labor force	5,601	5,446	563	558	(¹)	263	14,194	15,111	1,561	1,635	(¹)	1,481
Employed	5,331	5,186	513	502	(¹)	241	13,542	14,395	1,386	1,435	(¹)	1,347
Unemployed	271	259	51	56	(¹)	23	652	716	176	200	(¹)	134
Unemployment rate	4.8	4.8	9.1	10.0	(¹)	8.6	4.6	4.7	11.3	12.2	(¹)	9.1
30 to 34 years												
Civilian noninstitutional population	1,197	988	162	142	(¹)	69	6,868	7,337	810	868	(¹)	725
Civilian labor force	1,156	942	151	126	(¹)	62	6,625	7,052	714	768	(¹)	673
Employed	1,083	875	132	107	(¹)	54	6,295	6,701	626	673	(¹)	610
Unemployed	73	66	18	19	(¹)	8	330	351	88	94	(¹)	63
Unemployment rate	6.3	7.1	11.9	15.0	(¹)	12.8	5.0	5.0	12.3	12.3	(¹)	9.3
35 to 39 years												
Civilian noninstitutional population	2,993	2,709	299	286	(¹)	132	4,271	4,888	495	558	(¹)	491
Civilian labor force	2,896	2,607	285	266	(¹)	122	4,068	4,667	440	496	(¹)	456
Employed	2,757	2,484	261	239	(¹)	110	3,902	4,457	393	432	(¹)	412
Unemployed	140	122	25	27	(¹)	12	167	210	48	64	(¹)	44
Unemployment rate	4.8	4.7	8.8	10.3	(¹)	9.7	4.1	4.5	10.9	12.9	(¹)	9.7
40 to 44 years												
Civilian noninstitutional population	1,605	1,978	137	175	(¹)	81	3,682	3,586	471	431	(¹)	379
Civilian labor force	1,549	1,897	127	166	(¹)	79	3,501	3,392	407	371	(¹)	352
Employed	1,491	1,827	120	157	(¹)	76	3,345	3,237	367	329	(¹)	325
Unemployed	58	71	8	10	(¹)	3	155	155	40	42	(¹)	27
Unemployment rate	3.7	3.7	6.3	5.7	(¹)	3.5	4.4	4.6	9.8	11.2	(¹)	7.7

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 30 to 44 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 regularly collected. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

49. 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	1985					1986				
	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			Total	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	62,508	6,244	29.9	70.1	61.0	63,121	6,163	29.7	70.3	61.1
With children under 18 years of age	31,158	3,751	31.7	68.3	59.0	31,521	3,697	32.2	67.8	58.5
Married-couple families	49,991	4,380	21.0	79.0	70.1	50,235	4,308	20.9	79.1	69.9
With children under 18 years of age	24,080	2,676	19.7	80.3	70.9	24,207	2,631	20.5	79.5	70.0
Families maintained by women	10,122	1,530	52.4	47.6	37.5	10,364	1,503	52.1	47.9	38.3
With children under 18 years of age	6,147	947	62.0	38.0	28.4	6,327	927	62.1	37.9	28.7
Families maintained by men	2,395	335	43.1	56.9	48.8	2,521	352	42.0	58.0	50.6
With children under 18 years of age	931	128	57.8	42.2	35.9	987	139	55.4	44.6	38.8
White										
Total families	54,116	4,743	26.7	73.3	64.0	54,533	4,694	27.2	72.8	63.4
With children under 18 years of age	26,176	2,815	27.6	72.4	62.7	26,406	2,782	28.9	71.1	61.5
Married-couple families	45,290	3,665	20.9	79.1	70.1	45,405	3,593	21.1	78.9	69.5
With children under 18 years of age	21,425	2,214	19.6	80.4	70.8	21,459	2,168	20.8	79.2	69.6
Families maintained by women	6,927	844	48.2	51.8	41.2	7,141	849	48.9	51.1	40.7
With children under 18 years of age	4,011	509	57.2	42.8	32.4	4,159	506	58.3	41.7	31.4
Families maintained by men	1,899	235	41.3	58.7	50.2	1,988	251	41.3	58.7	51.6
With children under 18 years of age	740	92	56.5	43.5	37.0	788	108	54.6	45.4	39.8
Black										
Total families	6,827	1,311	40.9	59.1	50.4	6,908	1,278	38.9	61.1	52.6
With children under 18 years of age	4,009	807	45.8	54.2	46.2	4,080	792	43.9	56.1	48.0
Married-couple families	3,470	575	20.9	79.1	71.0	3,513	571	19.1	80.9	72.3
With children under 18 years of age	1,855	360	18.9	81.1	73.1	1,902	364	18.1	81.9	73.4
Families maintained by women	2,950	652	57.8	42.2	32.8	2,961	619	56.3	43.7	35.3
With children under 18 years of age	1,991	418	68.1	31.9	23.7	2,012	399	66.7	33.3	25.8
Families maintained by men	408	84	47.0	53.0	45.8	435	88	44.9	55.1	47.2
With children under 18 years of age	164	29	(¹)	(¹)	(¹)	166	28	(¹)	(¹)	(¹)
Hispanic origin										
Total families	(¹)	(¹)	(¹)	(¹)	(¹)	4,225	627	34.4	65.6	56.0
With children under 18 years of age	(¹)	(¹)	(¹)	(¹)	(¹)	2,753	428	37.4	62.6	53.3
Married-couple families	(¹)	(¹)	(¹)	(¹)	(¹)	2,961	443	27.1	72.9	62.5
With children under 18 years of age	(¹)	(¹)	(¹)	(¹)	(¹)	1,955	321	27.7	72.3	62.9
Families maintained by women	(¹)	(¹)	(¹)	(¹)	(¹)	1,000	136	56.6	43.4	34.6
With children under 18 years of age	(¹)	(¹)	(¹)	(¹)	(¹)	704	87	67.4	32.6	23.3
Families maintained by men	(¹)	(¹)	(¹)	(¹)	(¹)	264	48	37.5	62.5	54.2
With children under 18 years of age	(¹)	(¹)	(¹)	(¹)	(¹)	94	20	(¹)	(¹)	(¹)

¹ Data not shown where base is less than 35,000.
² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1985				1986			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed in families ¹	6,916	32.3	67.7	58.5	6,826	32.0	68.0	58.8
Husbands	1,613	42.1	57.9	43.6	1,648	40.7	59.3	45.1
With children under 18 years of age	1,015	45.6	54.4	38.5	1,064	44.5	55.5	40.6
Wives	1,432	17.7	82.3	75.4	1,357	17.4	82.6	75.4
With children under 18 years of age	925	15.2	84.8	77.6	864	15.9	84.1	76.6
Relatives in married-couple families	1,778	12.3	87.7	82.2	1,734	12.0	88.0	82.3
Women who maintain families	649	82.5	17.5	11.0	631	83.2	16.8	9.8
With children under 18 years of age	542	90.3	9.7	4.7	538	89.8	10.2	4.7
Relatives in families maintained by women	1,072	35.5	64.5	52.2	1,065	34.9	65.1	53.9
Men who maintain families	153	68.6	31.4	23.1	156	70.6	29.4	21.5
With children under 18 years of age	79	87.9	12.1	6.5	82	87.8	12.2	6.3
Relatives in families maintained by men ..	219	29.4	70.6	62.8	235	27.5	72.5	65.3
White								
Total unemployed in families ¹	5,141	29.3	70.7	61.4	5,083	29.7	70.3	61.0
Husbands	1,355	42.3	57.7	42.6	1,377	41.6	58.4	43.7
With children under 18 years of age	837	45.7	54.3	37.3	870	45.7	54.3	38.8
Wives	1,220	17.0	83.0	76.6	1,139	16.9	83.1	76.1
With children under 18 years of age	777	14.4	85.6	79.1	711	15.6	84.4	77.1
Relatives in married-couple families	1,408	11.7	88.3	82.6	1,385	11.4	88.6	82.7
Women who maintain families	350	77.5	22.5	14.5	350	78.7	21.3	12.1
With children under 18 years of age	280	87.7	12.3	5.6	289	87.0	13.0	5.4
Relatives in families maintained by women	556	32.1	67.9	55.7	559	33.7	66.3	55.4
Men who maintain families	107	67.6	32.4	23.1	113	70.9	29.1	21.0
With children under 18 years of age	56	87.3	12.7	5.4	62	89.3	10.7	5.5
Relatives in families maintained by men ..	145	26.3	73.7	65.9	159	25.3	74.7	68.2
Black								
Total unemployed in families ¹	1,563	42.2	57.8	49.3	1,527	39.8	60.2	51.7
Husbands	204	38.7	61.3	51.8	207	35.7	64.3	53.0
With children under 18 years of age	134	42.6	57.4	46.9	147	38.3	61.7	50.0
Wives	168	22.2	77.8	67.2	170	18.6	81.4	71.9
With children under 18 years of age	115	20.0	80.0	69.9	119	16.7	83.3	74.6
Relatives in married-couple families	310	14.5	85.5	80.7	297	14.5	85.5	80.1
Women who maintain families	285	89.0	11.0	6.7	267	89.2	10.8	6.7
With children under 18 years of age	249	93.7	6.3	3.5	238	93.0	7.0	4.0
Relatives in families maintained by women	496	39.6	60.4	48.3	482	35.8	64.2	52.8
Men who maintain families	36	71.6	28.4	21.1	38	70.1	29.9	22.5
With children under 18 years of age	17	(²)	(²)	(²)	17	(²)	(²)	(²)
Relatives in families maintained by men ..	65	36.5	63.5	55.1	66	33.1	66.9	59.0
Hispanic origin								
Total unemployed in families ¹	(³)	(³)	(³)	(³)	728	36.6	63.4	54.2
Husbands	(³)	(³)	(³)	(³)	194	52.1	47.9	37.8
With children under 18 years of age	(³)	(³)	(³)	(³)	147	55.8	44.2	34.6
Wives	(³)	(³)	(³)	(³)	127	19.1	80.9	69.6
With children under 18 years of age	(³)	(³)	(³)	(³)	96	19.2	80.8	70.7
Relatives in married-couple families	(³)	(³)	(³)	(³)	192	13.9	86.1	78.0
Women who maintain families	(³)	(³)	(³)	(³)	63	77.3	22.7	13.9
With children under 18 years of age	(³)	(³)	(³)	(³)	50	86.9	13.1	5.0
Relatives in families maintained by women	(³)	(³)	(³)	(³)	97	46.6	53.4	45.6
Men who maintain families	(³)	(³)	(³)	(³)	25	(³)	(³)	(³)
With children under 18 years of age	(³)	(³)	(³)	(³)	14	(³)	(³)	(³)
Relatives in families maintained by men ..	(³)	(³)	(³)	(³)	32	(³)	(³)	(³)

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

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

³ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

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

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51. Employed civilians by family relationship, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1985				1986			
	Total	Percent of employed:			Total	Percent of employed:		
		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 employed in families ¹	87,937	24.0	76.0	64.7	89,478	23.5	76.5	65.2
Husbands	37,680	32.6	67.4	49.3	37,775	31.4	68.6	50.4
With children under 18 years of age	22,021	34.8	65.2	44.1	22,078	33.5	68.5	44.9
Wives	25,504	9.3	90.7	85.8	26,247	9.4	90.6	85.7
With children under 18 years of age	13,840	5.4	94.6	90.6	14,288	5.6	94.4	90.2
Relatives in married-couple families	11,933	6.6	93.4	89.2	12,084	6.6	93.4	89.4
Women who maintain families	5,540	62.5	37.5	24.9	5,763	62.3	37.7	24.9
With children under 18 years of age	3,647	78.0	22.0	10.8	3,821	77.4	22.6	10.8
Relatives in families maintained by women	4,323	24.4	75.6	65.2	4,483	24.6	75.4	64.8
Men who maintain families	1,680	54.3	45.7	34.6	1,777	54.2	45.8	34.7
With children under 18 years of age	766	79.9	20.1	10.0	804	78.8	21.2	11.2
Relatives in families maintained by men	1,277	18.4	81.6	74.9	1,349	17.7	82.3	74.8
White								
Total employed in families ¹	77,290	23.4	76.6	64.9	78,406	22.9	77.1	65.4
Husbands	34,270	33.1	66.9	48.3	34,239	31.8	68.2	49.3
With children under 18 years of age	19,764	35.5	64.5	42.4	19,744	34.1	65.9	43.2
Wives	22,811	8.9	91.1	86.2	23,440	9.0	91.0	86.2
With children under 18 years of age	12,188	5.0	95.0	91.2	12,544	5.1	94.9	90.8
Relatives in married-couple families	10,664	6.5	93.5	89.5	10,771	6.4	93.6	89.6
Women who maintain families	3,958	59.8	40.2	26.2	4,145	59.7	40.3	26.2
With children under 18 years of age	2,573	76.1	23.9	11.0	2,706	75.6	24.4	11.0
Relatives in families maintained by women	3,197	24.4	75.6	65.5	3,298	24.5	75.5	64.8
Men who maintain families	1,369	53.4	46.6	34.9	1,435	53.1	46.9	35.4
With children under 18 years of age	620	79.1	20.9	10.1	655	77.6	22.4	11.6
Relatives in families maintained by men	1,022	18.0	82.0	75.2	1,078	17.4	82.6	75.7
Black								
Total employed in families ¹	8,234	29.9	70.1	61.0	8,459	29.9	70.1	61.3
Husbands	2,460	26.3	73.7	61.5	2,510	25.7	74.3	62.4
With children under 18 years of age	1,591	25.8	74.2	61.7	1,618	25.2	74.8	62.7
Wives	1,956	13.5	86.5	80.2	1,998	14.1	85.9	80.1
With children under 18 years of age	1,186	8.3	91.7	85.9	1,238	9.8	90.2	85.0
Relatives in married-couple families	918	8.5	91.5	85.8	942	9.3	90.7	85.9
Women who maintain families	1,453	70.4	29.6	20.8	1,472	70.3	29.7	20.8
With children under 18 years of age	1,001	83.0	17.0	10.1	1,029	82.5	17.5	9.9
Relatives in families maintained by women	999	25.0	75.0	63.6	1,053	25.7	74.3	64.4
Men who maintain families	258	61.1	38.9	31.1	274	61.0	39.0	30.3
With children under 18 years of age	128	85.0	15.0	8.7	126	85.3	14.7	8.6
Relatives in families maintained by men	193	21.5	78.5	71.3	210	20.4	79.6	69.3
Hispanic origin								
Total employed in families ¹	(²)	(²)	(²)	(²)	5,830	28.8	73.2	63.8
Husbands	(²)	(²)	(²)	(²)	2,328	39.0	61.0	48.2
With children under 18 years of age	(²)	(²)	(²)	(²)	1,667	42.2	57.8	44.1
Wives	(²)	(²)	(²)	(²)	1,403	9.5	90.5	84.1
With children under 18 years of age	(²)	(²)	(²)	(²)	927	8.4	91.6	85.0
Relatives in married-couple families	(²)	(²)	(²)	(²)	877	5.9	94.1	88.1
Women who maintain families	(²)	(²)	(²)	(²)	438	61.4	38.8	29.1
With children under 18 years of age	(²)	(²)	(²)	(²)	304	75.3	24.7	16.5
Relatives in families maintained by women	(²)	(²)	(²)	(²)	409	22.6	77.4	67.4
Men who maintain families	(²)	(²)	(²)	(²)	195	43.8	56.2	48.1
With children under 18 years of age	(²)	(²)	(²)	(²)	73	75.5	24.5	19.9
Relatives in families maintained by men	(²)	(²)	(²)	(²)	179	11.8	88.2	81.4

¹ Excludes persons living alone or with nonrelatives, persons in married-couple families where the husband or wife is in the Armed Forces, and persons in unrelated subfamilies. Estimates for husbands, wives, and women who maintain families are somewhat different from marital status estimates shown in other tables in this publication because of differences in definitions and weighting patterns used in aggregating the data.

² Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.
NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

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52. 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	
	1985	1986	1985	1986
TOTAL				
Total families with earners ¹	41,616	42,101	\$522	\$543
Married-couple families	33,459	33,569	582	606
One earner	13,347	13,049	385	393
Husband	10,346	9,979	440	459
Wife	2,243	2,351	217	223
Other family member	758	719	204	210
Two or more earners	20,112	20,520	715	744
Husband and wife	17,262	17,744	728	759
Husband and other family member(s)	2,159	2,056	689	720
Wife and other family member(s)	514	532	454	480
Other family members only	176	188	468	469
Families maintained by women	6,470	6,718	297	307
One earner	4,397	4,607	234	242
Householder	3,432	3,606	243	251
Other family member	965	1,001	200	205
Two or more earners	2,073	2,110	487	499
Families maintained by men	1,688	1,814	450	444
One earner	1,031	1,133	346	351
Two or more earners	656	681	625	637
White				
Total families with earners ¹	35,848	36,072	543	566
Married-couple families	29,899	29,865	589	615
One earner	12,097	11,698	395	405
Husband	9,496	9,077	452	472
Wife	1,925	1,996	218	225
Two or more earners	17,802	18,167	723	755
Husband and wife	15,251	15,689	735	769
Families maintained by women	4,616	4,786	311	320
Families maintained by men	1,333	1,420	475	476
Black				
Total families with earners ¹	4,668	4,810	378	391
Married-couple families	2,671	2,734	487	503
One earner	902	978	257	267
Husband	580	615	292	307
Wife	257	289	206	209
Two or more earners	1,769	1,755	622	645
Husband and wife	1,537	1,531	646	661
Families maintained by women	1,703	1,756	259	267
Families maintained by men	294	320	360	348
Hispanic origin				
Total families with earners ¹	(²)	3,017	(²)	412
Married-couple families	(²)	2,272	(²)	459
One earner	(²)	1,006	(²)	289
Husband	(²)	828	(²)	308
Wife	(²)	127	(²)	202
Two or more earners	(²)	1,266	(²)	603
Husband and wife	(²)	1,009	(²)	621
Families maintained by women	(²)	538	(²)	273
Families maintained by men	(²)	207	(²)	380

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 Data on Hispanic families for 1985 are not available on a revised basis that reflects the adjustments to the population totals introduced in

January 1986.

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

53. 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	
	1985	1986	1985	1986
Married-couple families ¹	3,076	3,027	\$382	\$387
Husband unemployed	923	973	225	238
Wife only earner	717	751	214	221
Wife and other earner(s)	122	137	377	412
Other earner(s) only	84	85	163	173
Wife unemployed	1,048	1,012	384	392
Husband only earner	890	849	355	368
Husband and other earner(s)	142	136	598	619
Other earner(s) only	15	27	(²)	(²)
Other member(s) unemployed	1,105	1,043	596	629
Husband or wife earner	486	446	452	462
Both husband and wife earners	568	559	761	767
Other combinations of earners	51	38	196	(²)
Families maintained by women ¹	667	662	263	278
Householder unemployed	99	97	176	168
Other member(s) unemployed	568	565	276	300
Families maintained by men ¹	170	190	339	367

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 Data not shown where base is less than 50,000.

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54. Median weekly earnings of full-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1985	1986	1985	1986
SEX AND AGE				
Total, 16 years and over	77,002	78,727	\$343	\$358
Men, 16 years and over	45,589	46,233	406	419
16 to 24 years	6,956	6,822	240	245
25 years and over	38,632	39,410	442	462
Women, 16 years and over	31,414	32,494	277	290
16 to 24 years	5,621	5,513	210	218
25 years and over	25,793	26,981	296	308
FAMILY RELATIONSHIP				
Husbands	30,260	30,491	455	475
Wives	16,270	16,820	285	299
Women who maintain families	4,333	4,512	278	290
Men who maintain families	1,313	1,411	396	397
Other persons in families:				
Men	6,173	6,239	238	247
Women	4,309	4,328	213	222
All other men ¹	7,841	8,085	380	395
All other women ¹	6,503	6,841	305	316
RACE AND HISPANIC ORIGIN				
White	66,481	67,779	355	370
Men	40,030	40,471	417	433
Women	26,452	27,308	281	294
Black	8,393	8,654	277	291
Men	4,367	4,464	304	318
Women	4,026	4,190	252	263
Hispanic origin	(²)	5,630	(²)	277
Men	(²)	3,622	(²)	299
Women	(²)	2,008	(²)	241

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

² Data on Hispanic wage and salary earners for 1985 are not available on a revised basis that reflects the adjustments to the

population totals introduced in January 1986.

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

55. Median weekly earnings of part-time wage and salary workers by selected characteristics

Characteristic	Number of workers (in thousands)		Median weekly earnings	
	1985	1986	1985	1986
SEX AND AGE				
Total, 16 years and over	17,518	18,176	\$95	\$99
Men, 16 years and over	5,426	5,709	88	93
16 to 24 years	3,228	3,326	73	77
25 years and over	2,199	2,384	117	121
Women, 16 years and over	12,092	12,466	98	101
16 to 24 years	3,941	4,002	72	74
25 years and over	8,151	8,465	111	115
FAMILY RELATIONSHIP				
Husbands	1,428	1,471	119	123
Wives	6,343	6,563	113	117
Women who maintain families	951	977	105	108
Men who maintain families	103	116	110	128
Other persons in families:				
Men	3,043	3,162	71	76
Women	3,232	3,380	67	70
All other men ¹	853	959	111	113
All other women ¹	1,567	1,546	100	103
RACE AND HISPANIC ORIGIN				
White	15,380	15,965	95	99
Men	4,650	4,863	88	93
Women	10,731	11,102	98	102
Black	1,680	1,727	89	93
Men	600	660	87	92
Women	1,080	1,067	90	93
Hispanic origin	(²)	1,064	(²)	103
Men	(²)	424	(²)	107
Women	(²)	639	(²)	100

¹ The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband or wife is in the Armed Forces and persons in unrelated subfamilies.

² Data on Hispanic wage and salary earners for 1985 are not available on a revised basis that reflects the adjustments to the

population totals introduced in January 1986.

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

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56. 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	
	1985	1986	1985	1986
TOTAL				
Managerial and professional specialty	19,381	20,095	\$488	\$505
Executive, administrative, and managerial	9,328	9,777	497	511
Professional specialty	10,053	10,317	481	500
Technical, sales, and administrative support	23,425	24,060	307	320
Technicians and related support	2,762	2,821	398	416
Sales occupations	7,156	7,395	335	351
Administrative support, including clerical	13,507	13,844	286	300
Service occupations	7,910	8,061	216	223
Private household	342	334	132	121
Protective service	1,483	1,589	381	392
Service, except private household and protective	6,085	6,138	203	209
Precision production, craft, and repair	10,932	10,851	397	408
Mechanics and repairers	3,897	3,723	400	414
Construction trades	3,361	3,469	393	401
Other precision production, craft, and repair	3,674	3,659	398	407
Operators, fabricators, and laborers	14,067	14,342	295	301
Machine operators, assemblers, and inspectors	7,181	7,254	287	293
Transportation and material moving occupations	3,648	3,684	360	366
Handlers, equipment cleaners, helpers, and laborers	3,238	3,404	251	263
Farming, forestry, and fishing	1,288	1,318	212	217
Men				
Managerial and professional specialty	11,078	11,333	583	608
Executive, administrative, and managerial	5,835	5,980	593	620
Professional specialty	5,243	5,353	571	599
Technical, sales, and administrative support	8,803	8,977	420	437
Technicians and related support	1,563	1,597	472	490
Sales occupations	4,227	4,373	431	447
Administrative support, including clerical	3,013	3,006	391	403
Service occupations	3,947	3,987	272	284
Private household	13	14	(¹)	(¹)
Protective service	1,327	1,433	391	402
Service, except private household and protective	2,607	2,540	230	239
Precision production, craft, and repair	10,026	9,973	408	418
Mechanics and repairers	3,752	3,588	400	413
Construction trades	3,308	3,413	394	401
Other precision production, craft, and repair	2,965	2,973	433	448
Operators, fabricators, and laborers	10,585	10,784	325	332
Machine operators, assemblers, and inspectors	4,403	4,401	341	354
Transportation and material moving occupations	3,459	3,494	369	372
Handlers, equipment cleaners, helpers, and laborers	2,724	2,890	261	271
Farming, forestry, and fishing	1,150	1,178	216	220
Women				
Managerial and professional specialty	8,302	8,762	399	414
Executive, administrative, and managerial	3,492	3,797	383	395
Professional specialty	4,810	4,965	408	428
Technical, sales, and administrative support	14,622	15,083	269	282
Technicians and related support	1,200	1,224	331	343
Sales occupations	2,929	3,021	226	239
Administrative support, including clerical	10,494	10,838	270	284
Service occupations	3,963	4,074	185	191
Private household	330	320	130	119
Protective service	156	156	278	292
Service, except private household and protective	3,477	3,598	188	195
Precision production, craft, and repair	906	878	268	277
Mechanics and repairers	144	136	392	431
Construction trades	53	56	265	333
Other precision production, craft, and repair	709	686	253	258
Operators, fabricators, and laborers	3,482	3,558	216	225
Machine operators, assemblers, and inspectors	2,778	2,853	216	223
Transportation and material moving occupations	189	190	252	287
Handlers, equipment cleaners, helpers, and laborers	514	515	209	226
Farming, forestry, and fishing	138	140	185	187

¹ Data not shown where base is less than 50,000.

57. Employment status of the civilian noninstitutional population in metropolitan, nonmetropolitan, urban, and rural areas by sex, age, race, and Hispanic origin

(Numbers in thousands)

Employment status, sex, age, race, and Hispanic origin	1986							
	Metropolitan areas			Nonmetropolitan areas			Urban areas	Rural areas
	Total	Central cities	Suburbs	Total	Farm	Nonfarm		
TOTAL								
Civilian noninstitutional population	139,941	56,780	83,161	40,646	3,006	37,640	133,177	47,409
Civilian labor force	92,664	36,385	56,279	25,171	2,079	23,092	87,394	30,441
Percent of population	66.2	64.1	67.7	61.9	69.2	61.4	65.6	64.2
Employed	86,508	33,335	53,173	23,091	2,018	21,073	81,272	28,327
Unemployed	6,157	3,050	3,106	2,080	61	2,019	6,122	2,114
Unemployment rate	6.6	8.4	5.5	8.3	2.9	8.7	7.0	6.9
Not in labor force	47,276	20,395	26,881	15,475	927	14,548	45,783	16,968
Men, 20 years and over								
Civilian noninstitutional population	60,780	24,204	36,576	17,736	1,437	16,299	57,304	21,212
Civilian labor force	48,080	18,587	29,492	13,234	1,221	12,013	44,936	16,378
Percent of population	79.1	76.8	80.6	74.6	85.0	73.7	78.4	77.2
Employed	45,282	17,160	28,121	12,282	1,200	11,082	42,174	15,390
Unemployed	2,798	1,427	1,371	952	21	931	2,762	988
Unemployment rate	5.8	7.7	4.6	7.2	1.8	7.7	6.1	6.0
Not in labor force	12,700	5,617	7,083	4,502	215	4,286	12,368	4,834
Women, 20 years and over								
Civilian noninstitutional population	67,980	28,229	39,751	19,595	1,321	18,274	65,398	22,177
Civilian labor force	38,438	15,602	22,835	10,158	708	9,449	36,698	11,897
Percent of population	56.5	55.3	57.4	51.8	53.6	51.7	56.1	53.6
Employed	36,188	14,498	21,690	9,375	683	8,691	34,433	11,129
Unemployed	2,250	1,105	1,145	783	25	758	2,265	768
Unemployment rate	5.9	7.1	5.0	7.7	3.5	8.0	6.2	6.5
Not in labor force	29,543	12,627	16,916	9,437	612	8,825	28,700	10,280
Both sexes, 16 to 19 years								
Civilian noninstitutional population	11,181	4,347	6,834	3,315	248	3,067	10,475	4,021
Civilian labor force	6,147	2,195	3,952	1,779	149	1,630	5,760	2,166
Percent of population	55.0	50.5	57.8	53.7	60.0	53.1	55.0	53.9
Employed	5,038	1,677	3,361	1,434	135	1,300	4,665	1,807
Unemployed	1,109	519	590	345	15	330	1,095	359
Unemployment rate	18.0	23.6	14.9	19.4	9.7	20.3	19.0	16.6
Not in labor force	5,034	2,151	2,882	1,536	99	1,437	4,715	1,855
White								
Civilian noninstitutional population	118,904	42,657	76,247	36,528	2,927	33,601	111,553	43,879
Civilian labor force	79,033	27,607	51,426	22,769	2,033	20,736	73,480	28,322
Percent of population	66.5	64.7	67.4	62.3	69.5	61.7	65.9	64.5
Employed	74,592	25,824	48,768	21,069	1,977	19,092	69,160	26,501
Unemployed	4,441	1,783	2,658	1,699	56	1,644	4,320	1,820
Unemployment rate	5.6	6.5	5.2	7.5	2.7	7.9	5.9	6.4
Not in labor force	39,871	15,050	24,821	13,760	894	12,866	38,074	15,557
Black								
Civilian noninstitutional population	16,620	11,872	4,748	3,369	67	3,302	17,178	2,811
Civilian labor force	10,682	7,326	3,356	1,973	38	1,935	10,969	1,685
Percent of population	64.3	61.7	70.7	58.5	56.1	58.6	63.9	59.9
Employed	9,156	6,162	2,994	1,659	34	1,625	9,362	1,452
Unemployed	1,526	1,164	361	314	4	310	1,607	233
Unemployment rate	14.3	15.9	10.8	15.9	11.1	16.0	14.6	13.8
Not in labor force	5,938	4,546	1,392	1,397	30	1,367	6,209	1,126
Hispanic origin								
Civilian noninstitutional population	11,386	6,694	4,692	958	47	911	11,368	976
Civilian labor force	7,458	4,243	3,214	618	31	587	7,423	653
Percent of population	65.5	63.4	68.5	64.5	66.8	64.4	65.3	66.9
Employed	6,686	3,760	2,926	533	31	502	6,639	580
Unemployed	772	483	288	86	—	85	784	73
Unemployment rate	10.3	11.4	9.0	13.8	(¹)	14.5	10.6	11.2
Not in labor force	3,928	2,451	1,477	340	15	324	3,945	323

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

NOTE: Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not

presented and Hispanics are included in both the white and black population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

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58. Employment status of the civilian noninstitutional population in poverty and nonpoverty areas by race and Hispanic origin

(Numbers in thousands)

Employment status, race, and Hispanic origin	1986					
	Total United States		Metropolitan areas		Nonmetropolitan areas	
	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas	Poverty areas	Nonpoverty areas
TOTAL						
Civilian noninstitutional population	26,529	154,058	17,761	122,180	8,768	31,878
Civilian labor force	15,043	102,793	9,969	82,695	5,073	20,098
Percent of population	56.7	66.7	56.1	67.7	57.9	63.0
Employed	13,013	96,585	8,533	77,975	4,480	18,610
Unemployed	2,029	6,207	1,437	4,720	593	1,487
Unemployment rate	13.5	6.0	14.4	5.7	11.7	7.4
Men, 20 years and over	12.3	5.2	13.3	4.9	10.4	6.4
Women, 20 years and over	11.9	5.4	12.4	5.1	10.8	6.9
Both sexes, 16 to 19 years	32.4	16.2	35.1	15.9	26.9	17.6
Men	32.1	17.0	35.0	16.6	26.4	18.2
Women	32.7	15.5	35.2	15.1	27.4	17.0
Not in labor force	11,486	51,265	7,791	39,485	3,695	11,780
White						
Civilian noninstitutional population	15,804	139,628	9,309	109,595	6,495	30,033
Civilian labor force	9,098	92,703	5,283	73,750	3,815	18,953
Percent of population	57.6	66.4	56.8	67.3	58.7	63.1
Employed	8,157	87,504	4,695	69,896	3,461	17,608
Unemployed	942	5,199	588	3,853	354	1,345
Unemployment rate	10.3	5.6	11.1	5.2	9.3	7.1
Men, 20 years and over	9.6	4.9	10.3	4.5	8.6	6.2
Women, 20 years and over	9.2	5.0	9.9	4.6	8.3	6.5
Both sexes, 16 to 19 years	23.7	14.8	25.9	14.3	20.7	16.9
Men	24.0	15.5	25.6	15.0	21.7	17.3
Women	23.4	14.2	26.2	13.6	19.6	16.5
Not in labor force	6,706	46,925	4,026	35,845	2,680	11,080
Black						
Civilian noninstitutional population	9,760	10,229	7,783	8,837	1,977	1,392
Civilian labor force	5,416	7,238	4,316	6,366	1,100	873
Percent of population	55.5	70.8	55.5	72.0	55.6	62.7
Employed	4,397	6,418	3,504	5,652	893	765
Unemployed	1,019	821	812	714	207	107
Unemployment rate	18.8	11.3	18.8	11.2	18.8	12.3
Men, 20 years and over	17.5	9.6	18.0	9.8	15.9	8.3
Women, 20 years and over	15.8	9.8	15.3	9.4	17.9	13.3
Both sexes, 16 to 19 years	45.0	34.4	45.2	34.9	44.2	30.8
Men	44.2	35.2	46.2	35.5	37.4	33.5
Women	45.9	33.5	44.2	34.4	(¹)	(¹)
Not in labor force	4,345	2,990	3,467	2,471	877	520
Hispanic origin						
Civilian noninstitutional population	4,094	8,250	3,730	7,656	364	594
Civilian labor force	2,324	5,752	2,101	5,356	222	396
Percent of population	56.8	69.7	56.3	70.0	61.1	66.6
Employed	1,995	5,224	1,808	4,879	187	345
Unemployed	329	528	294	478	35	51
Unemployment rate	14.1	9.2	14.0	8.9	15.7	12.8
Men, 20 years and over	12.8	8.1	12.7	7.8	13.7	11.7
Women, 20 years and over	13.2	8.3	12.9	8.1	16.1	12.1
Both sexes, 16 to 19 years	28.7	22.9	28.6	22.8	(¹)	(¹)
Men	26.0	23.7	26.0	23.6	(¹)	(¹)
Women	33.2	21.9	33.0	21.7	(¹)	(¹)
Not in labor force	1,771	2,497	1,629	2,299	142	198

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

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

population groups. These data are based on 1980 census designations and are not comparable to data published through the first quarter of 1984.

50. Employed wage and salary workers by age, sex, race, Hispanic origin, full- or part-time status, and union affiliation

(Numbers in thousands)

Age, sex, race, Hispanic origin, and full- or part-time status	1985					1986				
	Total em- ployed	Members of unions ¹		Represented by unions ²		Total em- ployed	Members of unions ¹		Represented by unions ²	
		Total	Percent of em- ployed	Total	Percent of em- ployed		Total	Percent of em- ployed	Total	Percent of em- ployed
SEX AND AGE										
Total, 16 years and over	94,521	16,996	18.0	19,358	20.5	96,903	16,975	17.5	19,278	19.9
16 to 24 years	19,746	1,440	7.3	1,725	8.7	19,663	1,385	7.0	1,655	8.4
25 years and over	74,775	15,556	20.8	17,633	23.6	77,240	15,590	20.2	17,623	22.8
25 to 34 years	28,387	4,745	16.7	5,521	19.4	29,357	4,674	15.9	5,398	18.4
35 to 44 years	21,243	4,833	22.7	5,457	25.7	22,306	4,966	22.3	5,634	25.3
45 to 54 years	13,858	3,484	25.1	3,874	28.0	14,287	3,531	24.7	3,908	27.4
55 to 64 years	9,382	2,330	24.8	2,582	27.5	9,339	2,245	24.0	2,478	26.5
65 years and over	1,904	165	8.7	200	10.5	1,950	174	8.9	204	10.5
Men, 16 years and over	51,015	11,264	22.1	12,448	24.4	51,942	11,173	21.5	12,317	23.7
16 to 24 years	10,184	937	9.2	1,087	10.7	10,148	888	8.8	1,045	10.3
25 years and over	40,831	10,327	25.3	11,361	27.8	41,794	10,285	24.6	11,272	27.0
25 to 34 years	15,639	3,137	20.1	3,521	22.5	16,131	3,090	19.2	3,450	21.4
35 to 44 years	11,429	3,198	28.0	3,502	30.6	11,833	3,262	27.6	3,575	30.2
45 to 54 years	7,567	2,340	30.9	2,536	33.5	7,666	2,332	30.4	2,514	32.8
55 to 64 years	5,192	1,556	30.0	1,686	32.5	5,144	1,498	29.1	1,616	31.4
65 years and over	1,004	96	9.6	117	11.7	1,021	103	10.1	116	11.4
Women, 16 years and over	43,506	5,732	13.2	6,910	15.9	44,961	5,802	12.9	6,961	15.5
16 to 24 years	9,562	502	5.3	639	6.7	9,515	497	5.2	610	6.4
25 years and over	33,944	5,229	15.4	6,271	18.5	35,446	5,305	15.0	6,351	17.9
25 to 34 years	12,748	1,608	12.6	2,000	15.7	13,226	1,584	12.0	1,947	14.7
35 to 44 years	9,814	1,635	16.7	1,955	19.9	10,473	1,704	16.3	2,059	19.7
45 to 54 years	6,290	1,144	18.2	1,338	21.3	6,621	1,199	18.1	1,395	21.1
55 to 64 years	4,191	774	18.5	896	21.4	4,195	748	17.8	862	20.5
65 years and over	900	69	7.7	82	9.2	930	71	7.6	88	9.4
RACE AND HISPANIC ORIGIN										
White, 16 years and over	81,862	14,124	17.3	16,083	19.6	83,745	14,061	16.8	15,955	19.1
Men	44,680	9,623	21.5	10,625	23.8	45,334	9,505	21.0	10,461	23.1
Women	37,182	4,501	12.1	5,458	14.7	38,410	4,557	11.9	5,493	14.3
Black, 16 years and over	10,073	2,445	24.3	2,775	27.6	10,380	2,436	23.5	2,773	26.7
Men	4,967	1,387	27.9	1,530	30.8	5,124	1,395	27.2	1,549	30.2
Women	5,106	1,058	20.7	1,245	24.4	5,257	1,040	19.8	1,223	23.3
Hispanic origin, 16 years and over	(³)	(³)	(³)	(³)	(³)	6,693	1,193	17.8	1,339	20.0
Men	(³)	(³)	(³)	(³)	(³)	4,046	826	20.4	903	22.3
Women	(³)	(³)	(³)	(³)	(³)	2,648	367	13.9	436	16.5
FULL- OR PART-TIME STATUS⁴										
Full-time workers	77,002	15,717	20.4	17,816	23.1	78,727	15,698	19.9	17,748	22.5
Part-time workers	17,518	1,280	7.3	1,542	8.8	18,176	1,277	7.0	1,530	8.4

¹ Data refer to members of a labor union or an employee association similar to a union.

² Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not available for 1985.

⁴ The distinction between full- and part-time workers is based on hours usually worked.

NOTE: Data refer to the sole or principal job of full- and part-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

60. Employed wage and salary workers by occupation, industry, and union affiliation

(Numbers in thousands)

Occupation and industry	1985					1986				
	Total employed	Members of unions ¹		Represented by unions ²		Total employed	Members of unions ¹		Represented by unions ²	
		Total	Percent of employed	Total	Percent of employed		Total	Percent of employed	Total	Percent of employed
OCCUPATION										
Managerial and professional specialty	21,688	3,307	15.2	4,166	19.2	22,492	3,328	14.8	4,213	18.7
Executive, administrative, and managerial	9,806	635	6.5	888	9.1	10,306	677	6.6	922	8.9
Professional specialty	11,882	2,672	22.5	3,277	27.6	12,185	2,651	21.8	3,291	27.0
Technical, sales, and administrative support	30,082	3,243	10.8	3,928	13.1	31,046	3,340	10.8	4,000	12.9
Technicians and related support	3,183	375	11.8	473	14.9	3,286	363	11.1	458	13.9
Sales occupations	10,186	613	6.0	693	6.8	10,588	656	6.2	751	7.1
Administrative support, including clerical	16,714	2,255	13.5	2,762	16.5	17,172	2,320	13.5	2,791	16.3
Service occupations	13,325	1,922	14.4	2,162	16.2	13,609	1,920	14.1	2,166	15.9
Protective service	1,702	667	39.2	730	42.9	1,799	697	38.7	781	43.4
Service, except protective service	11,623	1,255	10.8	1,432	12.3	11,810	1,223	10.4	1,386	11.7
Precision production, craft and repair	11,482	3,272	28.5	3,543	30.9	11,455	3,268	28.5	3,489	30.5
Operators, fabricators, and laborers	16,207	5,157	31.8	5,453	33.6	16,554	5,012	30.3	5,288	31.9
Machine operators, assemblers, and inspectors	7,696	2,627	34.1	2,774	36.0	7,745	2,566	33.1	2,690	34.7
Transportation and material moving occupations	4,162	1,396	33.5	1,476	35.5	4,215	1,302	30.9	1,380	32.8
Handlers, equipment cleaners, helpers, and laborers	4,349	1,134	26.1	1,202	27.6	4,595	1,144	24.9	1,218	26.5
Farming, forestry, and fishing	1,736	95	5.5	107	6.1	1,747	109	6.2	121	6.9
INDUSTRY										
Agricultural wage and salary workers	1,427	30	2.1	32	2.3	1,437	35	2.5	41	2.9
Private nonagricultural wage and salary workers	77,044	11,227	14.6	12,409	16.1	79,091	11,051	14.0	12,165	15.4
Mining	881	153	17.3	167	19.0	822	144	17.5	157	19.1
Construction	4,716	1,051	22.3	1,114	23.6	4,959	1,092	22.0	1,158	23.4
Manufacturing	20,120	4,996	24.8	5,422	26.9	20,296	4,869	24.0	5,231	25.8
Durable goods	12,081	3,116	25.8	3,398	28.1	12,171	3,104	25.5	3,323	27.3
Nondurable goods	8,039	1,880	23.4	2,024	25.2	8,124	1,765	21.7	1,908	23.5
Transportation and public utilities	5,725	2,118	37.0	2,275	39.7	5,715	2,023	35.4	2,192	38.3
Transportation	3,123	1,141	36.5	1,200	38.4	3,142	1,077	34.3	1,144	36.4
Communications and public utilities	2,602	977	37.5	1,075	41.3	2,573	946	36.8	1,048	40.7
Wholesale and retail trade	19,402	1,400	7.2	1,552	8.0	19,839	1,425	7.2	1,554	7.8
Wholesale trade	3,743	282	7.5	315	8.4	3,768	282	7.5	309	8.2
Retail trade	15,659	1,118	7.1	1,237	7.9	16,071	1,144	7.1	1,245	7.7
Finance, insurance, and real estate	6,032	177	2.9	244	4.0	6,424	168	2.6	230	3.6
Services	20,167	1,331	6.6	1,636	8.1	21,036	1,329	6.3	1,643	7.8
Government workers	16,050	5,740	35.8	6,917	43.1	16,374	5,888	36.0	7,071	43.2

¹ Data refer to members of a labor union or an employee association similar to a union.

² Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but

whose jobs are covered by a union or an employee association contract.

NOTE: Data refer to the sole or principal job of full- and part-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers.

61. Median weekly earnings of full-time wage and salary workers by age, sex, race, Hispanic origin, and union affiliation

Age, sex, race, and Hispanic origin	1985				1986			
	Total	Members of unions ¹	Represented by unions ²	Non-union	Total	Members of unions ¹	Represented by unions ²	Non-union
SEX AND AGE								
Total, 16 years and over	\$343	\$423	\$419	\$315	\$358	\$444	\$439	\$325
16 to 24 years	223	297	291	218	231	310	305	224
25 years and over	378	434	430	352	391	456	452	365
25 to 34 years	349	412	407	329	360	422	417	339
35 to 44 years	405	459	455	382	418	479	475	396
45 to 54 years	400	449	447	373	415	480	479	385
55 to 64 years	380	419	419	352	396	443	444	370
65 years and over	296	392	394	272	298	377	376	278
Men, 16 years and over	406	465	463	383	419	482	481	394
16 to 24 years	240	316	312	230	245	331	324	235
25 years and over	442	475	475	422	462	490	489	439
25 to 34 years	393	443	440	378	401	456	453	385
35 to 44 years	486	490	490	483	498	503	502	495
45 to 54 years	488	487	487	489	505	504	505	505
55 to 64 years	467	467	472	463	484	487	488	481
65 years and over	367	449	443	338	358	441	433	319
Women, 16 years and over	277	350	347	262	290	368	367	274
16 to 24 years	210	259	255	207	218	271	269	215
25 years and over	296	359	358	281	308	377	376	293
25 to 34 years	295	351	348	283	305	368	365	295
35 to 44 years	307	383	380	289	319	398	395	301
45 to 54 years	291	357	358	274	308	379	379	289
55 to 64 years	284	332	335	267	295	345	349	278
65 years and over	242	311	315	223	255	(³)	311	240
RACE AND HISPANIC ORIGIN								
White, 16 years and over	355	438	433	323	370	458	452	338
Men	417	476	475	395	433	489	488	407
Women	281	359	356	267	294	376	374	279
Black, 16 years and over	277	359	352	246	291	387	383	255
Men	304	385	381	266	318	415	413	275
Women	252	320	316	228	263	339	335	236
Hispanic origin, 16 years and over	(³)	(³)	(³)	(³)	277	383	379	252
Men	(³)	(³)	(³)	(³)	299	412	409	268
Women	(³)	(³)	(³)	(³)	241	309	308	227

¹ Data refer to members of a labor union or an employee association similar to a union.

² Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³ Data not shown where base is less than 50,000.

¹ Beginning in January 1986, data for persons of Hispanic origin have been revised to reflect new population estimates. Revised data are not

available for 1985.

NOTE: Data refer to the sole or principal job of full-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers. Detail for the above race and Hispanic-origin groups will not sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups.

**HOUSEHOLD DATA
ANNUAL AVERAGES**

62. Median weekly earnings of full-time wage and salary workers by occupation, industry, and union affiliation

Occupation and industry	1985				1986			
	Total	Members of unions ¹	Repre-sented by unions ²	Non-union	Total	Members of unions ¹	Repre-sented by unions ²	Non-union
OCCUPATION								
Managerial and professional specialty	\$488	\$483	\$481	\$490	\$505	\$502	\$497	\$507
Executive, administrative, and managerial	497	503	502	496	511	520	511	511
Professional specialty	481	478	476	484	500	499	494	504
Technical, sales, and administrative support	307	389	380	297	320	404	397	309
Technicians and related support	398	444	432	391	416	469	467	407
Sales occupations	335	382	383	331	351	386	390	347
Administrative support, including clerical	286	383	372	272	300	399	389	285
Service occupations	216	328	322	195	223	356	350	201
Protective service	381	452	449	301	392	486	480	304
Service, except protective service	199	280	276	187	205	292	288	193
Precision production, craft and repair	397	499	495	349	408	512	508	361
Operators, fabricators, and laborers	295	399	395	249	301	412	409	256
Machine operators, assemblers, and inspectors	287	377	374	244	293	389	387	249
Transportation and material moving occupations	360	467	462	301	366	485	482	305
Handlers, equipment cleaners, helpers, and laborers	251	384	379	213	263	390	387	222
Farming, forestry, and fishing	212	336	334	206	217	356	350	209
INDUSTRY								
Agricultural wage and salary workers	211	(³)	(³)	210	216	(³)	(³)	213
Private nonagricultural wage and salary workers	332	423	418	312	347	442	437	322
Mining	501	512	507	499	510	513	513	509
Construction	369	568	556	315	380	590	581	327
Manufacturing	368	401	401	347	380	417	417	359
Durable goods	392	417	416	378	405	432	433	390
Nondurable goods	320	370	368	304	332	390	389	312
Transportation and public utilities	458	495	492	414	477	511	508	430
Transportation	425	502	500	369	443	520	516	379
Communications and public utilities	484	486	482	487	499	502	498	501
Wholesale and retail trade	270	378	373	262	280	384	381	272
Wholesale trade	368	414	418	361	378	418	419	372
Retail trade	243	355	346	235	250	370	362	242
Finance, insurance, and real estate	334	339	340	333	352	348	357	352
Services	298	328	327	294	310	349	350	306
Government workers	394	424	420	360	409	449	442	375

¹ Data refer to members of a labor union or an employee association similar to a union.

² Data refer to members of a labor union or an employee association similar to a union as well as workers who report no union affiliation but whose jobs are covered by a union or an employee association contract.

³ Data not shown where base is less than 50,000.

NOTE: Data refer to the sole or principal job of full-time workers. Excluded are self-employed workers whose businesses are incorporated although they technically qualify as wage and salary workers.

**ESTABLISHMENT DATA
EMPLOYMENT
ANNUAL AVERAGES**

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

(In thousands)

Industry	1983	1984	1985	1986 ^p
Total	90,200	94,496	97,614	100,168
Total private	74,330	78,472	81,199	83,430
Goods-producing	23,334	24,727	24,930	24,940
Mining	952	966	930	792
Oil and gas extraction	597.8	606.5	585.2	463.7
Construction	3,948	4,383	4,687	4,961
General building contractors	1,019.6	1,161.3	1,251.3	1,306.6
Manufacturing	18,434	19,378	19,314	19,187
Durable goods	10,732	11,505	11,516	11,346
Lumber and wood products	656.5	703.5	700.3	726.8
Furniture and fixtures	448.0	486.6	493.2	497.1
Stone, clay, and glass products	570.0	592.6	590.6	594.6
Primary metal industries	831.8	857.4	812.8	768.2
Blast furnaces and basic steel products	340.8	334.1	304.9	283.3
Fabricated metal products	1,370.1	1,463.1	1,467.7	1,439.3
Machinery, except electrical	2,033.0	2,197.6	2,181.7	2,081.8
Electrical and electronic equipment	2,012.9	2,207.9	2,206.9	2,168.8
Transportation equipment	1,747.2	1,900.7	1,971.1	1,985.0
Motor vehicles and equipment	753.7	861.7	876.4	843.0
Instruments and related products	692.0	713.8	723.4	717.3
Miscellaneous manufacturing	370.5	381.9	368.6	366.8
Nondurable goods	7,702	7,873	7,798	7,841
Food and kindred products	1,614.8	1,612.2	1,607.9	1,640.6
Tobacco manufactures	67.9	64.2	64.5	61.3
Textile mill products	741.3	746.2	703.7	708.8
Apparel and other textile products	1,163.4	1,185.3	1,125.3	1,115.4
Paper and allied products	661.2	680.9	682.5	690.0
Printing and publishing	1,298.8	1,376.4	1,435.3	1,479.0
Chemicals and allied products	1,042.8	1,049.4	1,045.8	1,026.8
Petroleum and coal products	195.6	188.9	177.5	163.8
Rubber and misc. plastics products	711.1	780.1	789.5	800.8
Leather and leather products	204.9	189.4	165.9	154.4
Service-producing	66,866	69,769	72,684	75,228
Transportation and public utilities	4,954	5,159	5,242	5,285
Transportation	2,745	2,917	3,006	3,068
Communication and public utilities	2,209	2,242	2,236	2,217
Wholesale trade	5,268	5,555	5,740	5,853
Durable goods	3,070	3,276	3,409	3,482
Nondurable goods	2,197	2,279	2,331	2,371
Retail trade	15,613	16,545	17,360	17,976
General merchandise stores	2,165.4	2,267.4	2,320.1	2,348.0
Food stores	2,556.2	2,637.1	2,778.6	2,932.0
Automotive dealers and service stations	1,674.2	1,798.5	1,892.3	1,953.9
Eating and drinking places	5,041.8	5,388.0	5,715.1	5,922.3
Finance, insurance, and real estate	5,468	5,689	5,953	6,304
Finance	2,741	2,854	2,979	3,159
Insurance	1,720	1,757	1,830	1,934
Real estate	1,007	1,078	1,144	1,210
Services	19,694	20,797	21,974	23,073
Business services	3,562.4	4,056.8	4,452.0	4,809.7
Health services	5,988.2	6,122.3	6,309.5	6,585.1
Government	15,869	16,024	16,415	16,738
Federal	2,774	2,807	2,875	2,899
State	3,662	3,734	3,848	3,939
Local	9,434	9,482	9,692	9,901

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark

levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
EMPLOYMENT
ANNUAL AVERAGES**

64. Production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group

(In thousands)

Industry	1983	1984	1985	1986 ^p
Total private	60,070	63,415	65,635	67,453
Goods-producing	16,235	17,377	17,459	17,468
Mining	673	686	660	554
Construction	3,033	3,406	3,670	3,890
Manufacturing	12,530	13,285	13,130	13,025
Durable goods	7,117	7,739	7,660	7,497
Lumber and wood products	547.1	589.5	586.7	610.1
Furniture and fixtures	356.1	390.1	394.0	398.0
Stone, clay, and glass products	434.5	455.1	452.7	458.2
Primary metal industries	619.8	651.4	615.2	578.9
Blast furnaces and basic steel products	256.3	256.8	233.2	216.8
Fabricated metal products	993.8	1,078.8	1,085.2	1,063.3
Machinery, except electrical	1,194.7	1,328.9	1,311.2	1,242.2
Electrical and electronic equipment	1,219.7	1,353.9	1,305.0	1,249.0
Transportation equipment	1,096.3	1,215.3	1,251.3	1,242.1
Motor vehicles and equipment	568.4	664.1	679.4	646.8
Instruments and related products	387.9	397.9	393.2	389.1
Miscellaneous manufacturing	266.8	277.7	265.5	266.2
Nondurable goods	5,413	5,546	5,470	5,528
Food and kindred products	1,113.7	1,119.5	1,121.9	1,153.1
Tobacco manufactures	52.0	48.6	48.6	45.9
Textile mill products	639.2	645.6	607.6	613.4
Apparel and other textile products	983.7	1,002.5	948.3	941.3
Paper and allied products	494.5	511.6	515.8	523.6
Printing and publishing	711.8	758.3	793.4	823.9
Chemicals and allied products	578.6	583.0	579.0	572.1
Petroleum and coal products	118.0	111.3	107.4	102.8
Rubber and misc. plastics products	550.6	607.5	610.4	624.3
Leather and leather products	171.1	158.0	137.4	127.4
Service-producing	43,834	46,037	48,176	49,985
Transportation and public utilities	4,074	4,261	4,342	4,371
Wholesale trade	4,226	4,454	4,616	4,697
Retail trade	14,011	14,765	15,458	15,998
Finance, insurance, and real estate	4,068	4,229	4,414	4,657
Services	17,455	18,328	19,346	20,262

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

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

**ESTABLISHMENT DATA
HOURS AND EARNINGS
ANNUAL AVERAGES**

65. Average hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by major industry and manufacturing group

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1983	1984	1985	1986 ^p	1983	1984	1985	1986 ^p	1983	1984	1985	1986 ^p
Total private	35.0	35.2	34.9	34.8	\$8.02	\$8.32	\$8.57	\$8.76	\$280.70	\$292.86	\$299.09	\$304.85
Mining	42.5	43.3	43.4	42.3	11.28	11.63	11.98	12.45	479.40	503.58	519.93	526.64
Construction	37.1	37.8	37.7	37.5	11.94	12.13	12.31	12.42	442.97	458.51	464.09	465.75
Manufacturing	40.1	40.7	40.5	40.7	8.83	9.19	9.53	9.73	354.08	374.03	385.97	396.01
<i>Overtime hours</i>	3.0	3.4	3.3	3.5	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Durable goods	40.7	41.4	41.2	41.4	\$9.39	\$9.74	\$10.10	\$10.29	\$382.17	\$403.24	\$416.12	\$426.01
<i>Overtime hours</i>	3.0	3.6	3.5	3.5	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Lumber and wood products	40.1	39.9	39.9	40.3	\$7.80	\$8.03	\$8.22	\$8.37	\$312.78	\$320.40	\$327.98	\$337.31
Furniture and fixtures	39.4	39.7	39.4	39.6	6.62	6.84	7.17	7.44	260.83	271.55	282.50	294.62
Stone, clay, and glass products	41.5	42.0	41.9	42.3	9.28	9.57	9.84	10.05	385.12	401.94	412.30	425.12
Primary metal industries	40.5	41.7	41.5	42.0	11.35	11.47	11.68	11.94	459.68	478.30	484.72	501.48
Blast furnaces and basic steel products	39.5	40.7	41.1	41.7	12.89	12.98	13.34	13.83	509.16	528.29	548.27	576.71
Fabricated metal products	40.6	41.4	41.3	41.3	9.12	9.40	9.70	9.88	370.27	389.16	400.61	408.04
Machinery, except electrical	40.5	41.9	41.5	41.6	9.55	9.96	10.29	10.57	386.78	417.32	427.04	439.71
Electrical and electronic equipment	40.5	41.0	40.6	41.0	8.67	9.04	9.47	9.67	351.14	370.64	384.48	396.47
Transportation equipment	42.1	42.7	42.6	42.4	11.67	12.20	12.72	12.86	491.31	520.94	541.87	545.26
Motor vehicles and equipment	43.3	43.8	43.5	42.7	12.14	12.73	13.42	13.53	525.66	557.57	583.77	577.73
Instruments and related products	40.4	41.3	41.0	41.1	8.48	8.84	9.16	9.47	342.59	365.09	375.56	389.22
Miscellaneous manufacturing	39.1	39.4	39.4	39.7	6.81	7.05	7.30	7.56	266.27	277.77	287.62	300.13
Nondurable goods	39.4	39.7	39.6	39.9	8.08	8.38	8.71	8.93	318.35	332.69	344.92	356.31
<i>Overtime hours</i>	3.0	3.1	3.1	3.3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Food and kindred products	39.5	39.8	40.0	40.0	\$8.19	\$8.39	\$8.57	\$8.73	\$323.51	\$333.92	\$342.80	\$349.20
Tobacco manufactures	37.4	38.9	37.2	37.6	10.38	11.22	11.94	12.78	388.21	436.46	444.17	480.53
Textile mill products	40.4	39.9	39.7	41.2	6.18	6.46	6.71	6.95	249.67	257.75	266.39	286.34
Apparel and other textile products	36.2	36.4	36.4	36.7	5.38	5.55	5.73	5.81	194.76	202.02	208.57	213.23
Paper and allied products	42.6	43.1	43.1	43.3	9.93	10.41	10.82	11.14	423.02	448.67	466.34	482.36
Printing and publishing	37.6	37.9	37.8	38.0	9.11	9.41	9.71	9.97	342.54	356.64	367.04	378.86
Chemicals and allied products	41.6	41.9	41.9	42.0	10.58	11.07	11.56	11.96	440.13	463.83	484.36	502.32
Petroleum and coal products	43.9	43.7	43.0	43.7	13.28	13.44	14.06	14.20	582.99	587.33	604.58	620.54
Rubber and misc. plastics products	41.2	41.7	41.1	41.3	8.00	8.29	8.54	8.76	329.60	345.69	350.99	361.79
Leather and leather products	36.8	36.8	37.2	36.9	5.54	5.71	5.82	5.90	203.87	210.13	216.50	217.71
Transportation and public utilities	39.0	39.4	39.5	39.2	10.79	11.12	11.40	11.64	420.81	438.13	450.30	456.29
Wholesale trade	38.5	38.5	38.4	38.4	8.55	8.89	9.16	9.36	329.18	342.27	351.74	359.42
Retail trade	29.8	29.8	29.4	29.2	5.74	5.85	5.94	6.02	171.05	174.33	174.64	175.78
Finance, insurance, and real estate	36.2	36.5	36.4	36.5	7.29	7.63	7.94	8.35	263.90	278.50	289.02	304.78
Services	32.7	32.6	32.5	32.5	7.31	7.59	7.89	8.16	239.04	247.43	256.43	265.20

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

² Not available.

^p = preliminary.

NOTE: Establishment survey estimates are currently projected from March 1985 benchmark levels. When more recent benchmark data are introduced, all unadjusted data from April 1985 forward are subject to revision.

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 59,500 households, representing 729 areas in 1,973 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 currently based on payroll reports from a sample of 250,000 establishments employing over 38 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 the levels and trends of the two series are as follows.

Employment

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

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

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

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

Hours of work

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

Earnings

The household survey measures median earnings of wage and salary workers in all occupations and industries in both the private and public sectors. Data refer to the usual earnings received from the worker's sole or primary job. Data from the establishment survey generally refer to average 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 of \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Economics and Statistics Service series and the treatment of dual jobholders, who are counted more than once if they work on more than one farm during the reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of their impact on differences in the levels and trends 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 sample surveys of manufacturing and business establishments. The major reasons for noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

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

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. However, certain activities, such as interstate railroads, parochial schools, and churches are not covered by unemployment insurance whereas these are included in the BLS establishment statistics.

Household Data (A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics Derived from the Current Population Survey*, BLS Report 463. Historical national data are published in *Labor Force Statistics Derived From the Current Population Survey: A Databook*, BLS Bulletin 2096.

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. The inquiry relates to activity or status during the calendar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions and persons under 14 years of age are not covered in the regular monthly enumerations, and are excluded from the population and labor force statistics shown in this report. Data on the members of the Armed Forces stationed in the United States, who are included as part of the categories "noninstitutional population," "labor force," and "total employment," are obtained from the Department of Defense.

Each month about 59,500 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 59,500 occupied units, there are 11,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one half to be common with the same month a year earlier.

CONCEPTS AND DEFINITIONS

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

Employed persons are (a) all civilians who, during the survey week, did any work at all as paid employees, in their own business, profession, or on their own farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family; and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management disputes, or personal reasons, whether they were paid for the time off or were seeking other jobs. Members of the Armed Forces stationed in the United States are also included in the employed total.

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

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

Unemployed persons are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and had made specific efforts to find employment sometime during the prior 4 weeks. Persons who were waiting to be recalled to a job from which they had laid off or were waiting to report to a new job within 30 days need not be looking for work to be classified as unemployed.

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

Unemployment is also categorized according to the status of individuals at the time they began to look for work. The reasons for unemployment are divided into four major groups. (1) *Job losers* are persons whose employment ended involuntarily who immediately began looking for work, and persons on layoff. (2) *Job leavers* are persons who quit or otherwise terminated

their employment voluntarily and immediately began looking for work. (3) *Reentrants* are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) *New entrants* are persons who never worked at a full-time job lasting 2 weeks or longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

The *unemployment rate for all civilian workers* represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, race, Hispanic origin, marital status, etc.

Participation rates represent the proportion of the population that is in the labor force. The *labor force participation rate* is the ratio of the labor force, including the resident Armed Forces, to the noninstitutional population. The *civilian labor force participation rate* is the ratio of the civilian labor force to the civilian noninstitutional population. Civilian labor force participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Employment-population ratios represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces,

as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

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

For persons not in the labor force, data on previous work experience, intentions to seek work, desire for a job at the time of interview, and reasons for not looking for work are published on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969 these questions were asked in those households entering the sample for the first time and those returning for the second 4 months of interviewing, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time job lasting 2 weeks or more. The classifications of occupations and industries used in data derived from the CPS are defined as in the 1980 census. Information on the detailed categories included in these groups is available upon request.

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

whom they are related by birth or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, persons who normally work 40 hours a week but were off on the Columbus Day holiday would be reported as working 32 hours even though they were paid for the holiday. For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week; all the hours are credited to the major job.

Persons who worked 35 hours or more during the survey week are designated as working *full time*. Persons who worked between 1 and 34 hours are designated as working *part time*. Part-time workers are classified by their usual status at their present job (either full or part time) and by their reason for working part time during the survey week (economic or noneconomic 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. Noneconomic reasons include: Labor dispute, bad weather, own illness, vacation, demands of home or school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1 to 34 hours for noneconomic reasons and usually work full time.

Data on employment "at work" differ from data on total employment because they exclude persons in the zero-hours-worked category, "with a job but not at work." These are persons who were absent from their jobs for the entire week for such reasons as bad weather, vacation, illness, or involvement in a labor dispute.

Employed persons are also categorized into full- and part-time groupings based primarily on their *usual status*. In this context, *full-time workers* are those who (a) worked 35 hours or more during the survey week, (b) worked 1 to 34 hours for economic or noneconomic reasons, but usually work full time, and (c) were with a job but not at work and usually work full time. Similarly, *part-time workers* are those who (a) voluntarily worked 1 to 34 hours during the survey week, (b) worked 1 to 34 hours for economic reasons, but usually work part time, i.e., persons who could only find part-time work; and (c) were with a job but not at work and usually work part time.

Unemployment rates for full- and part-time workers are calculated using the concepts of the *full-* and *part-time labor force* which are based on the type of job—full or part-time—that persons—whether working or unemployed—report that they want. The "full-time labor force" includes all persons working part time but who desire full-time work, that is, working part time for economic reasons. Thus, this category consists of per-

sons on full-time schedules; all persons involuntarily working part time regardless of their usual status; 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. Employed persons with a job but not at work are distributed according to whether they usually work on full-time or voluntary part-time schedules.

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

White, black, and other are terms used to describe the race of workers. Included in the "other" group are American Indians, Alaskan Natives, and Asians and Pacific Islanders. All tables in this publication which contain racial data, with the exception of A-5 and its annual counterpart, present data for the black population group. Because of their relatively small sample size, data for "other" races are not published. In the enumeration process, race is determined by the household respondent.

Hispanic origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American, or of other Hispanic origin or descent. Persons of Hispanic origin may be of any race; thus they are included in both the white and black population groups.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Data are limited to men in the civilian noninstitutional population; i.e., veterans in institutions and women are excluded. Nonveterans are men who never served in the Armed Forces.

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. The term "usual" is as perceived by the respondent. If the respondent asks for a definition of usual, interviewers are instructed to define the term as more than half the weeks worked during the past 4 or 5 months. Data refer to wage and salary workers (excluding the incorporated self-employed) who usually work full time on their sole or primary job.

Median earnings indicate the value which divides the earnings distribution into two equal parts, one part hav-

ing values above the median and the other having values below the median. The medians as shown in this publication are calculated by linear interpolation of the \$50 centered interval within which each median falls.

Data expressed in constant dollars are deflated by the Consumer Price Index for All Urban Consumers (CPI-U).

Single, never married; married, spouse present; and other marital status are terms used to define the marital status of individuals at the time of interview. Married, spouse present, applies to husband and wife if both were reported as members of the same household even though one may be temporarily absent on business, vacation, on a visit, in a hospital, etc. Other marital status applies to persons who are married, spouse absent; widowed; or divorced. Married, spouse absent, includes persons who are separated because of marital discord, as well as persons who are living apart because either the husband or the wife was employed and living away from home, serving in the Armed Forces, or had a different place of residence for any reason.

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

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

Family refers to a group of two or more persons residing together who are related by birth, marriage, or adoption; all such persons are considered as members of one family even though they may include a related subfamily, that is, a married couple or a parent-child group related by birth or marriage to the householder and sharing the living quarters. The count of families used in this publication excludes unrelated subfamilies such as lodgers, guests, or resident employees living in a household but not related to the householder. Families are classified either as married-couple families or as families maintained by women or men without spouses. A family maintained by a woman or a man is one in which the householder is either single, widowed, divorced, or married, spouse absent. Data on the earnings of families exclude all those in which there is no wage or salary earner or in which the husband, wife, or other persons maintaining the family is either self-employed or in the Armed Forces.

Poverty areas are defined as those census tracts in tracted areas, and Minor Civil Division's (MCD's) in untraced areas, in which 20 percent or more of the noninstitutional residents were poor according to the

1980 decennial census. Persons were classified as poor or nonpoor by comparing money income to a series of poverty income thresholds which vary by family size and number of children. 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 Metropolitan Statistical Areas (MSA's) as defined by the Office of Management and Budget (OMB) as of June 30, 1984. These definitions differ from those used in the 1980 decennial census. A detailed discussion of the MSA definitions as well as changes in terminology can be found in "The New Metropolitan Area Definitions" section of the *1980 Census of Population Supplementary Report on Metropolitan Statistical Areas*, PC-S1-18. Nonmetropolitan areas consist of the total territory outside MSA's.

The *urban population*, as defined for the 1980 census, comprises all persons living in urbanized areas and in places of 2,500 or more inhabitants outside urbanized areas. More specifically, the urban population consists of all persons living in (1) places of 2,500 or more inhabitants incorporated as cities, villages, boroughs (except in Alaska and New York), and towns (except in the New England States, New York, and Wisconsin), but excluding those persons living in the rural portions of extended cities; and (2) other territories, incorporated and unincorporated, included in urbanized areas. The population not classified as urban constitutes the rural population.

HISTORICAL COMPARABILITY

Change in lower age limit

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

Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about

350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

Beginning in January 1978, the introduction of an expansion in the sample and revisions in the estimation procedures resulted in an increase of about 250,000 in the civilian labor force and employment totals; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in “Revisions in

the Current Population Survey in January 1978” in the February 1978 issue of *Employment and Earnings*.

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

Beginning in January 1979, the first-stage ratio estimation method was changed in the CPS estimation procedure. Differences between the old and new procedures existed only for metropolitan and nonmetropolitan area estimates, not for the total United States. The reasoning behind the change and an indication of the differences appear in “Revisions in the Current Population Survey in January 1979” in the February 1979 issue of *Employment and Earnings*.

Beginning in January 1982, the second-stage ratio adjustment methodology was changed in the CPS estimation procedure. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1982” in the February 1982 issue of *Employment and Earnings*. In addition, current population estimates used in the second-stage estimation procedure are derived from information obtained from the 1980 census, rather than the 1970 census. This change caused substantial increases in total population and estimates of persons in all labor force categories. Rates for labor force characteristics, however, remained virtually unchanged. Some 30,000 labor force series were adjusted back to 1970 to avoid major breaks in series. The adjustment procedure used is also described in the February 1982 article cited above. The revisions did not, however, smooth out the breaks in series occurring between 1972 and 1979 that are described above, and data users should make allowances for them in making certain data comparisons.

Beginning in January 1983, the first-stage ratio adjustment methodology was updated to account for results obtained from the 1980 census. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in “Revisions in the Current Population Survey Beginning in January 1983” in the February 1983 issue of *Employment and Earnings*. There were only slight differences between the old and new procedures in estimates of levels for the various labor force characteristics and vir-

tually no differences in estimates of participation rates.

Beginning in January 1985, most of the steps of the CPS estimation procedure—the noninterview adjustment, the first and second-stage ratio adjustments, and the composite estimator—were revised. These procedures are described in the Estimating Methods section. A description of the changes and an indication of their effect on national estimates of labor force characteristics appear in “Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985” in the February 1985 issue of this publication. Overall, the revisions had only a slight effect on most estimates. The greatest impact was on estimates of persons of Hispanic origin. Major estimates were revised back to January 1980.

Beginning in January 1986, the population controls used in the second-stage ratio adjustment methodology were revised to reflect an explicit estimate of the number of undocumented immigrants (largely Hispanic) since 1980 and an improved estimate of the number of legal foreign-born emigrants for the same time period. As a result, the total civilian population and labor force estimates were raised by nearly 400,000; civilian employment was increased by about 350,000. The Hispanic-origin civilian population and labor force estimates were raised by about 425,000 and 305,000, respectively, and civilian employment by 270,000. Overall and subgroup unemployment levels and rates were not significantly affected. Because of the magnitude of the adjustments for Hispanics, data have been revised back to January 1980 to the extent possible. An explanation of the changes and their effect on estimates of labor force characteristics appears in “Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986” in the February 1986 issue of this publication.

Changes in the occupational and industrial classification systems

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

and February 1972 issues, respectively, of *Employment and Earnings*.

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

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

The industrial classification system used in the 1980 census is based on the 1972 Standard Industrial Classification (SIC) system, as modified in 1977. The adoption of the new system had much less of an adverse effect on historical comparability than did the new occupational system. The most notable changes from the 1970 system were the transfer of farm equipment stores from “retail” to “wholesale” trade, postal service from “public administration” to “transportation”, and some interchange between “professional and related services” and “public administration.”

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

Changes in the sample design

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

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

begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. In October 1978 a coverage improvement sample, composed of approximately 450 sample household units which represented 237,000 occupied mobile homes and 600,000 new construction housing units, was included in computing the estimates in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample selected from the 1970 census frame. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

Beginning in 1985, a new State-based CPS sample was selected based on 1980 census information rather than 1970 census information. The selection of new sample areas provided an opportunity to improve the efficiency of the sample design. Sample areas chosen to replace incoming sample areas account for only 10 percent of the national estimate. The new CPS sample has resulted in increased reliability for State estimates with a slightly reduced sample size. The reliability of national estimates is unaffected. Sample households are chosen from 729 sample areas, which represent 1,973 geographic areas in the United States. This current number of sample areas is not completely comparable to the old number of sample areas since many of the sample areas have been redefined. (See pp. 7-10 of the May 1984 issue of *Employment and Earnings*, for an overview of these new definitions and the introduction of the new sample.)

Table A provides a description of some aspects of the CPS sample design in use during the different data collection periods. A more detailed account of the history of the CPS sample design appears in the *Current Population Survey: Design and Methodology*, Technical Paper No. 40, Bureau of the Census, or *Concepts and Methods Used in Labor Force Statistics Derived From the Current Population Survey*, Report 463, Bureau of Labor Statistics.

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire

panel of respondents. The estimation procedure involves weighting the data from each sample person by the inverse of the probability of the person being in the sample. This gives a rough measure of the number of actual persons that the sample person represents. Beginning in 1985, almost all sample persons within the same State will have the same probability of selection. These estimates are then adjusted for noninterviews, 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 respondents for other reasons. This noninterview adjustment is made separately by combinations of similar sample areas that are not necessarily contained within a State. Similarity of sample areas is based on Metropolitan Statistical Area (MSA) status and size. Within each combination of sample areas there is a further breakdown by residence. MSA sample areas are categorized by central city and the balance of the MSA. Residence categories of non-MSA areas are urban and rural. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacation, 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 729 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 adjustment is made at the State level for each of the 43 States which contains nonsample areas by race cells of black and non-black. The procedure corrects for differences that existed in each cell at the time of the 1980 census between the race distribution of the population in sample areas and the known race distribution of the State.

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

Time period	Number of sample areas	Households eligible		Households visited but not eligible
		Interviewed	Not interviewed	
Aug. 1947 to Jan. 1954	68	21,000	500-1,000	3,000-3,500
Feb. 1954 to Apr. 1956	230	21,000	500-1,000	3,000-3,500
May 1956 to Dec. 1959	330	33,500	1,500	6,000
Jan. 1960 to Feb. 1963	333	33,500	1,500	6,000
Mar. 1963 to Dec. 1966	357	33,500	1,500	6,000
Jan. 1967 to July 1971	449	48,000	2,000	8,500
Aug. 1971 to July 1972	449	45,000	2,000	8,000
Aug. 1972 to Dec. 1977	461	45,000	2,000	8,000
Jan. 1978 to Dec. 1979	614	53,500	2,500	10,000
Jan. 1980 to Apr. 1981	629	62,200	2,800	12,000
May 1981 to Dec. 1984	629	57,800	2,500	11,000
Jan. 1985 to present	729	57,000	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.

b. *Second-stage ratio estimate.* In this stage, the sample proportions of persons in specific categories are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in three steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over. The second step involves an adjustment by Hispanic origin to a national estimate for 8 age-sex categories by Hispanic and non-Hispanic. In the third step, a national adjustment is made by the race categories of white, black, and other races to independent estimates by age and sex. The white and black categories contain 32 age-sex groups each while the other races category has 6 age-sex cells. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race-origin categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1985. The nature and effect of these changes are discussed in detail in "Changes in Estimation Procedure in the Current Population Survey Beginning in January 1985" in the February 1985 issue of *Employment and Earnings*.

The controls by State for the civilian noninstitutional population 16 years and over are an arithmetic extrapolation of the trend in the growth of this segment of the population from the April 1, 1980, census through the latest available July 1 estimate, adjusted as a last step to a current estimate of the U.S. population of this group. State estimates by age for July 1 are published annually in *Current Population Reports*, Series P-25. For a description of the methodology used in developing

the State total, use Report 640 of that series. A description of the age estimates methodology is available upon request from the Chief of the Population Division, U.S. Bureau of the Census, Washington, D.C. 20233.

Prior to January 1985, there was no separate control for Hispanics in the second-stage ratio procedure. These Hispanic controls are prepared by carrying forward the 1980 census count for Hispanics by adding estimated Hispanic births and immigrants and subtracting estimated Hispanic deaths and emigrants to yield an estimate of the Hispanic population by age and sex.

During the period from January 1982 to December 1984, the "inflation-deflation" method was temporarily discontinued in the preparation of the independent national controls used for the age-sex-race groups in the third step of the second-stage ratio estimation procedure. These controls were prepared by carrying forward the 1980 census data after taking account of subsequent aging of the population, births, deaths, and net migration and then subtracting the estimate for the institutional population and Armed Forces. Beginning in January 1985, the "inflation-deflation" method of deriving independent population controls was reintroduced into the CPS estimation procedure. With the "inflation-deflation" method, the independent controls are prepared by inflating the 1980 census counts to include estimated undercounts by age, sex and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then deflated to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. Because an estimate of undercount is first added and then subtracted, the size of each race-sex group is unaffected by the "inflation-deflation" method. Similarly, the final estimate is affected only by the age structure of the undercount, but not the level. This feature of the method is important since the exact amount of undercount in the 1980 census remains unknown.

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

Beginning in January 1986, two changes were introduced into the estimation of the independent population controls. For the first time, an explicit allowance for net undocumented immigration since April 1, 1980 (the census date) was added to the estimated level of legal immigration. In addition, an increase in the estimate of emigration of legal foreign-born residents has been incorporated into the postcensal population estimates since 1980. The nature and effect of these changes are discussed in detail in "Changes in the Estimation Procedure in the Current Population Survey Beginning in January 1986" in the February 1986 issue of *Employment and Earnings*.

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. Also included is an additional term which is an estimate of the net difference between incoming and continuing parts of the current month's sample. Almost all estimates of month-to-month change are improved by this procedure, and most estimates of level are also improved, but to a lesser extent.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

Reliability of the estimates

There are two types of errors possible in an estimate

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

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

Nonsampling errors in surveys can be attributed to many sources, e.g., inability to obtain information about all cases in the sample, definitional difficulties, differences in the interpretation of questions, inability or unwillingness of respondents to provide correct information, inability to recall information, errors made in collection such as in recording or coding the data, errors made in processing the data, errors made in estimating values for missing data, and failure to 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 "The Effects of Rotation Group Bias on Estimates from Panel Surveys," by Barbara A. Bailar, *Journal of the American Statistical Association*, Volume 70, No. 349, March 1975.

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Compared to the level of the decennial census, undercoverage is about 6 percent. It is known that the CPS undercoverage varies with age, sex, race and Hispanic origin. Generally, undercoverage is larger for men than for women, and larger for blacks, Hispanics and other

racers combined than for whites. Ratio estimation to independent age-sex-race-origin 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-origin group. Further, the independent population controls used have not been adjusted for undercoverage in the 1980 census.

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

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.
2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard error 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 are 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 are 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 (1985 annual averages).

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 table may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates 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.

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	244	187
Employed	263	200
Unemployed	131	134
Men, 20 years and over:		
Civilian labor force	148	127
Employed	162	141
Unemployed	89	91
Women, 20 years and over:		
Civilian labor force	189	140
Employed	190	144
Unemployed	82	85
Both sexes, 16 to 19 years:		
Civilian labor force	83	91
Employed	86	97
Unemployed	57	63
Black, 16 years and over:		
Civilian labor force	82	63
Employed	92	70
Unemployed	65	67
Men, 20 years and over:		
Civilian labor force	49	43
Employed	56	50
Unemployed	43	46
Women, 20 years and over:		
Civilian labor force	67	44
Employed	67	48
Unemployed	43	46
Both sexes, 16 to 19 years:		
Civilian labor force	33	37
Employed	30	34
Unemployed	30	32

Illustration. Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

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

Table C. Standard errors for unemployment rates by major characteristics

Characteristic	Standard error of—		Characteristic	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.11	0.12			
Men, 20 years and over	.15	.15			
Women, 20 years and over	.17	.18			
Both sexes, 16 to 19 years	.65	.77			
White workers	.11	.12			
Black workers	.52	.54			
Married men, spouse present	.15	.16			
Married women, spouse present	.21	.23			
Full-time workers	.12	.12			
Part-time workers	.34	.42			
Unemployed 15 weeks and over	.06	.08			
Occupation			Occupation—Continued		
Executive, administrative, and managerial	.21	.24	Precision production, craft, and repair	0.32	0.35
Professional specialty	.18	.20	Machine operators, assemblers, and inspectors	.50	.57
Technicians and related support	.49	.55	Transportation and material moving	.57	.64
Sales	.29	.32	Handlers, equipment cleaners, helpers, and laborers	.70	.80
Administrative support, including clerical	.24	.26	Farming, forestry, and fishing	.65	.73
Private household	1.07	1.20			
Protective service	.67	.76	Industry		
Service, except private household and protective	.38	.43	Nonagricultural private wage and salary workers	.13	.14
			Mining	1.37	1.56
			Construction	.65	.74
			Manufacturing	.27	.30
			Durable goods	.34	.38
			Nondurable goods	.42	.48
			Transportation, communications, and public utilities	.41	.46
			Wholesale and retail trade	.26	.29
			Finance and services	.20	.22
			Government workers	.18	.19
			Agricultural wage and salary workers	1.22	1.40

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	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50	14	11	11	11	11	10	10	10	11
100	19	15	15	15	15	14	14	15	16
500	43	34	34	33	29	32	31	33	35
1,000	61	48	47	46	33	45	42	47	49
2,000	85	68	64	63	-	63	55	66	67
4,000	120	95	84	80	-	87	66	93	88
6,000	146	116	94	86	-	105	58	113	99
8,000	-	133	97	83	-	120	23	129	-
10,000	-	147	94	70	-	132	-	143	-
15,000	-	177	50	-	-	155	-	172	-
20,000	-	201	-	-	-	170	-	195	-
30,000	-	236	-	-	-	188	-	-	-
40,000	-	261	-	-	-	189	-	-	-
50,000	-	278	-	-	-	175	-	-	-
60,000	-	288	-	-	-	141	-	-	-
70,000	-	293	-	-	-	61	-	-	-
80,000	-	293	-	-	-	-	-	-	-
100,000	-	273	-	-	-	-	-	-	-
120,000	-	231	-	-	-	-	-	-	-

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.

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

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

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

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

Illustration. Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two

estimates, 6.5 percent with a base of 94,965,000, is obtained from table F (0.12 percentage point). The appropriate factor, then, from table J is 1.40. The approximate standard error on the change of 0.8 percent is then given by $0.12 \times 1.40 = 0.17$ percentage point.

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

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

Where X is the estimate for one quarter and Y is the estimate for another quarter. The coefficient, P, is a measure of the correlation between the estimates X and Y resulting from the presence of some of the same

respondents in the sample for each estimate. For consecutive year-to-year changes of quarterly estimates, the values of P are .30 for persons (total, white, and black) and .35 for families (total, white, and black). The respective values for estimates of Hispanics are .45 and .55.

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

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

or about 259,000.

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

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	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	2.80	3.19
2,000 .....	.37	.52	.81	1.13	1.37	1.56	1.72	1.85	1.97	2.24
4,000 .....	.26	.37	.57	.80	.96	1.10	1.20	1.30	1.38	1.56
6,000 .....	.21	.30	.47	.65	.78	.89	.98	1.05	1.11	-
10,000 .....	.16	.23	.36	.50	.60	.68	.75	.80	-	-
20,000 .....	.12	.16	.25	.35	.42	.47	.51	.54	-	-
60,000 .....	.07	.09	.14	.19	.22	.23	.24	-	-	-
100,000 .....	.05	.07	.11	.14	.15	.15	-	-	-	-

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

Monthly base of percentages (in thousands)	Percentage of monthly level									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	30 or 70	35 or 65	50
50	2.14	3.01	4.69	6.46	7.68	8.61	9.32	9.86	10.27	10.76
100	1.51	2.13	3.32	4.57	5.43	6.09	6.59	6.97	7.26	7.61
500 .....	.68	.95	1.48	2.04	2.43	2.72	2.95	3.12	3.25	3.40
1,000 .....	.48	.67	1.05	1.44	1.72	1.92	2.08	2.21	2.30	2.41
2,000 .....	.34	.48	.74	1.02	1.22	1.36	1.47	1.56	1.62	1.70
4,000 .....	.24	.34	.52	.72	.86	.96	1.04	1.10	1.15	1.20
6,000 .....	.20	.28	.43	.59	.70	.79	.85	.90	.94	.98
10,000 .....	.15	.21	.33	.46	.54	.61	.66	.70	.73	.76
20,000 .....	.11	.15	.23	.32	.38	.43	.47	.49	.51	.54
40,000 .....	.08	.11	.17	.23	.27	.30	.33	.35	.36	.38
60,000 .....	.06	.09	.14	.19	.22	.25	.27	.28	.30	.31
80,000 .....	.05	.08	.12	.16	.19	.22	.23	.25	.26	.27
100,000 .....	.05	.07	.10	.14	.17	.19	.21	.22	.23	.24
160,000 .....	.04	.05	.08	.11	.13	.15	.16	.17	.18	.19

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

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

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

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

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

Table K. Standard errors for estimates of quarterly level, to be used with CPS earnings data

(In thousands)

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

Establishment Data (Tables B-1 through C-8)

COLLECTION

Payroll reports provide current information on wage and salary employment and hours and earnings in nonagricultural establishments, by industry and geographic location. Historical statistics are published in *Employment, Hours, and Earnings, United States, 1909-84*, and *Employment, Hours, and Earnings, States and Areas, 1939-82* and their annual supplements.

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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 185 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*.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related

workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries.

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

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

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

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds, or union dues; also included is pay for overtime, holidays, vacation, 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 cover 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 included 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.

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.

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

Average overtime hours. The overtime hours represent that portion of the 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, 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 average hours.

Average hourly 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.

Average hourly earnings, including lump-sum wage payments. This series is compiled only for aircraft manufacturing, SIC 3721. The same concepts and estimation methods apply to this series as apply to the average hourly earnings series described above; the one difference between the two series is definitional. The payroll data used to calculate this series include lump-sum payments made to production workers in lieu of general wage rate increases; such payments are excluded from the definition of gross payrolls used to calculate the other average hourly earnings series.

For each sample establishment in SIC 3721 covered by a lump-sum agreement, the reported payroll data are adjusted to include a prorated portion of the lump-sum payment. Such payments are generally made once a year and cover the following 12-month period. In order to spread the payment across this time period, a prorated portion of the payment is added to the payroll each month. This prorated portion is adjusted by an exit rate to reduce the lump-sum amount to account for persons who received the payment but left before the payment allocation period expired.

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. No adjustments are made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

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

Average weekly earnings. These estimates are derived by multiplying average weekly hours estimates by average hourly earnings estimates. Therefore, weekly earnings are affected not only by changes in average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as the 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-time trends of 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.

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).

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, bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past benchmark comparisons. Beginning with data for April 1983, these factors are modified by changes in the sample link relatives for the most recent quarter. Other features of the general procedures are described in table L.

Size and regional stratification

A number of industries are stratified by size of

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

Employment, hours, and earnings	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry level (division and, where stratified, industry)
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-employees 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.
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.
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.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of 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.
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.
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 of aggregate payrolls divided by annual aggregate hours.
Average weekly earnings	Product of average weekly hours and average hourly earnings.	Product of average weekly hours and average hourly earnings.

¹ The estimates are computed by multiplying the above product by bias adjustment factors, which compensate for the underrepresentation of newly formed enterprises and other sources of bias in the sample.

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.

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 benchmarks (comprehensive counts of employment) for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1985 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover about 97 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 1985 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.

Table M. Comparison of nonagricultural employment benchmarks and estimates for March 1985

Industry	Benchmark	Estimate	Percent difference
Total	96,042,000	96,045,000	(¹)
Mining	933,000	962,000	-3.1
Construction	4,241,000	4,180,000	1.4
Manufacturing	19,295,000	19,399,000	-5
Transportation and public utilities	5,155,000	5,205,000	-1.0
Wholesale trade	5,654,000	5,681,000	-5
Retail trade	16,782,000	16,818,000	-2
Finance, insurance, and real estate	5,825,000	5,796,000	.5
Services	21,561,000	21,536,000	.1
Government	16,596,000	16,468,000	.8

¹ Less than 0.05 percent.

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

In the context of the BLS Current 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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1985¹

Industry	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	243,000	38,173,000	40
Mining	3,600	374,000	40
Construction	22,500	858,000	20
Manufacturing	52,000	10,654,000	55
Transportation and public utilities	11,500	2,409,000	47
Wholesale trade	22,300	1,042,000	18
Retail trade	42,400	3,319,000	20
Finance, insurance, and real estate	17,100	2,091,000	36
Services	48,500	5,267,000	24
Government:			
Federal ²	5,100	2,839,000	100
State	3,800	3,087,000	79
Local	14,200	6,233,000	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 5,100 reports covering about 64 percent of employment in Federal establishments.

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 accumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Table O presents the average percent revisions of the five most recent benchmarks for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

smaller percentage than the relative error from the averages that would have been obtained from a complete census.

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

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

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

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

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

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

(In percent)

Industry	Average benchmark revision in estimates of employment ¹	Relative errors ²	
		Average weekly hours	Average hourly earnings
Total	0.2	-	-
Total private .....	.3	0.1	0.2
Mining	2.9	1.0	1.3
Construction	1.6	.2	.5
Manufacturing .....	.6	.1	.2
Durable goods .....	.7	.1	.3
Nondurable goods .....	.6	.1	.2
Transportation and public utilities .....	.4	.7	.6
Wholesale trade .....	.3	.2	.4
Retail trade	1.2	.2	.4
Finance, insurance, and real estate .....	.3	.2	.4
Services .....	.2	.4	.6
Government ³ .....	.4	-	-

¹ The average percent revision in employment for the 1981-85 benchmarks.

² Relative errors relate to 1982 data.

³ Estimates for government are based on a total count for Federal Government provided by the Office of Personnel Management and a sample of State and local government reports.

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 error ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	2.2	4.0
100,000 ..	3,900	1.3	2.3
200,000 ..	5,600	1.1	2.0
500,000	14,000	.9	1.6
1,000,000 ..	15,000	.8	1.2
2,000,000 ..	26,000	.5	.9

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to 1982 data.

are collected and prepared by State agencies in cooperation with BLS. The area statistics relate to metropolitan

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

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

Table Q. Errors of preliminary employment estimates

Industry	Root-mean-squar error of-		Industry	Root-mean-squar error of-	
	Monthly level	Month-to-month change		Monthly level	Month-to-month change
Total	110,000	101,100	Nondurable goods—Continued		
Total private ¹	63,100	56,800	Chemicals and allied products	2,500	2,400
Goods-producing	35,200	29,400	Petroleum and coal products	1,700	1,600
Mining	5,500	5,300	Rubber and misc. plastics products	2,300	2,200
Oil and gas extraction ¹	4,600	4,300	Leather and leather products	2,800	2,600
Construction	18,300	13,500	Service-producing industries	98,200	94,000
General building contractors ¹	7,900	5,400	Transportation and public utilities	14,700	14,200
Manufacturing	28,700	27,200	Transportation ¹	18,400	17,800
Durable goods	22,100	20,200	Communication and public utilities ¹	5,200	4,800
Lumber and wood products	3,800	3,200	Wholesale trade ¹	8,500	7,800
Furniture and fixtures	3,000	2,400	Durable goods ¹	5,600	5,100
Stone, clay, and glass products	2,300	2,100	Nondurable goods ¹	5,000	4,500
Primary metal industries	6,100	5,900	Retail trade ¹	33,700	32,400
Blast furnaces and basic steel products ¹	5,000	4,900	General merchandise stores ¹	19,700	19,000
Fabricated metal products	4,600	3,900	Food stores ¹	6,500	5,800
Machinery, except electrical	8,700	7,800	Automotive dealers and service stations ¹	3,300	2,900
Electrical and electronic equipment	6,200	6,400	Eating and drinking places ¹	19,200	17,100
Transportation equipment	13,200	11,800	Finance, insurance, and real estate	8,600	7,300
Motor vehicles and equipment ¹	10,000	10,200	Finance ¹	4,200	3,600
Instruments and related products	2,200	2,100	Insurance ¹	2,800	2,200
Miscellaneous manufacturing	2,000	2,000	Real estate ¹	5,000	4,100
Nondurable goods	11,800	11,700	Services	32,200	27,900
Food and kindred products	8,500	8,600	Business services ¹	12,900	10,800
Tobacco manufactures	1,600	1,500	Health services ¹	10,500	10,200
Textile mill products	2,700	2,700	Government	72,400	66,100
Apparel and other textile products	6,500	6,100	Federal	18,200	15,100
Paper and allied products	1,900	1,700	State ¹	26,200	24,700
Printing and publishing	2,400	2,500	Local ¹	38,800	35,900

¹ Data are based on differences from January 1981 through December 1985; all other data reflect differences from January 1980 through December 1985.

Productivity Data (Tables C-9 through C-11)

COLLECTION

Productivity data 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.

CONCEPTS

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

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

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

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

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour.

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

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics. Historical statistics for most productivity measures appear in *Trends in Multifactor Productivity, 1948-81*, BLS Bulletin 2178. Additional information may be obtained from the Office of Productivity and Technology (202 523-9261).

State and Area Labor Force Data (D table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

Annual average data for the States and areas shown in table D are published in *Employment and Earnings*

(usually the May issue). For regions, States, selected metropolitan areas, and central cities, annual average data classified by selected demographic, social, and economic characteristics are published in the BLS bulletin, *Geographic Profile of Employment and Unemployment*.

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.

ESTIMATING METHODS

The civilian labor force and unemployment estimates in 11 large States: New York, California, Illinois, Ohio, New Jersey, Pennsylvania, Michigan, Texas, Massachusetts, North Carolina, and Florida; and two areas: Los Angeles—Long Beach metropolitan area and New York City, are sufficiently reliable to be used directly from the CPS. For a description of the CPS concepts, see "Household Data," above.

Monthly labor force and unemployment estimates in the remaining 39 States, the District of Columbia, and 253 labor market areas are prepared in several stages. The civilian labor force is the sum of the employment and unemployment levels, which are estimated in accordance with the BLS *Manual for Developing Local Area Unemployment Statistics*.

1. *Preliminary estimate—employment*: The total civilian employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment on the basis of employment relationships which existed at the time of the 1970 decennial census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not covered by unemployment insurance (UI).

2. *Preliminary estimate—unemployment*: In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in industries covered by State UI laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the civilian 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 noncovered industry or class of worker subgroup in the State, the ratio of

covered unemployment to covered employment weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the 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 civilian 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 39 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6-month period ending in the current month (e.g., a 6-month moving average).

4. *Substate adjustment for additivity*. Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 11 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 sub-state LMA estimates to ensure that the sub-state estimates of employment and unemployment add to the independent State totals. In California and New York, which also have sub-state 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 39 States and the District of Columbia for which monthly CPS estimates are not

available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in the State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

The benchmarked estimates are produced in three stages. First, the monthly UI-based estimates are adjusted by the ratio of the CPS to the UI-based annual averages. Second, the difference between the ratio of

annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the third-stage estimates are forced into agreement with CPS annual averages. In the 11 States which use CPS estimates monthly, no benchmark correction is required, as the average of the 12 monthly State CPS estimates will equal CPS annual averages.

Seasonal Adjustment

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

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

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

had been used by the BLS to seasonally adjust labor force series since 1973. Tests have shown that use of the X-11 ARIMA procedure, which places more emphasis on recent data, provides better seasonal adjustments than does the X-11 method alone.

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

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December, new seasonal adjustment factors to be used to calculate

the civilian unemployment rate for the first 6 months of the following year, and a description of the current seasonal adjustment methodology are published in each January issue of *Employment and Earnings*. Revised seasonally adjusted data covering the revision period for a broader range of labor force series are published in the February issue of this publication.

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 year's estimates are based on actual data through March 1986 and projected data through March 1987. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series since June 1981.

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 nonsuper-

visory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, wholesale trade, retail trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

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

Beginning in June 1983, seasonal adjustment factors for Federal Government employment are derived from unadjusted data which include Christmas temporary workers employed by the Postal Service. In earlier years the number of these workers was substantial, and at times varied greatly from year to year, based on administrative decisions of the Postal Service. Hence, it was considered desirable to exclude this group from the unadjusted data upon which the seasonal adjustment factors were based. In the past several years, the number of these workers has decreased to the point where their presence has no impact on seasonal adjustment. Temporary census takers for the 1980 decennial census are removed prior to the calculation of seasonal adjustment factors for Federal Government employment.

The revised seasonally adjusted series for the establishment data reflect experience through March 1986. Seasonal adjustment factors to be used for current adjustment appear in the June 1986 issue of *Employment and Earnings*.

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