



EMPLOYMENT AND EARNINGS

January 1984

U.S. Department of Labor  
Bureau of Labor Statistics

In this issue:  
1983 annual averages  
Revised seasonally adjusted labor force series





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

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

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## Calendar of Features

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

### Household data

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

### Establishment data

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

### State and area unemployment data

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

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

# Employment and Earnings

Vol. 31 No. 1 January 1984

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 factors, seasonally adjusted data for the past 5 years are subject to revision. The data in the A-1, 2, and 31-52 tables have been revised to reflect the updated seasonal adjustment factors. Revised monthly data covering the entire 1979-83 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 1984.

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# Employment and Unemployment Developments, December 1983

Unemployment continued to decline and employment rose in December. The overall unemployment rate, 8.1 percent, and the rate for civilian workers, 8.2 percent, each fell two-tenths of a percentage point in December and were two-and-a-half points below the 1982 recession highs.

Total civilian employment—as measured by the monthly survey of households—rose by 335,000 over the month, and the number of employees on nonagricultural payrolls—as measured by the monthly survey of establishments—rose by 230,000. Over the past year, total civilian employment has risen by 4 million, and nonfarm payroll jobs have increased by 3 million. Measurement and coverage differences in the two surveys account for a large part of this growth difference.

## Unemployment

The number of unemployed persons fell by 230,000 in December to 9.2 million, seasonally adjusted, continuing the year-long decline. The unemployment rate for all civilian workers dropped to 8.2 percent from November's 8.4 percent rate. Over the year, the jobless total has declined by more than 2.6 million, and the rate has fallen by 2.5 percentage points. (See table A-32.)

The December decline was concentrated largely among adult men (20 years and over), whose jobless rate fell by 0.4 percentage point to 7.4 percent. There was also a sizable drop in the rate for young adult women (20 to 24 year-olds), from 12.0 to 11.0 percent. Unemployment among full-time workers also continued to decline. Jobless rates for most other major worker groups were little changed in December. Over the year, however, there were declines in both the number and rate of unemployment for most worker groups except for black women and black teenagers. Adult men accounted for more than half the decline in the jobless level. (See tables A-32, A-33, A-37, and A-38.)

The unemployment rate for manufacturing workers continued its downtrend with a 0.6 percentage point drop to 8.3 percent in December. Compared with December 1982, workers in all industries except government and agriculture showed substantial improvements in their unemployment rates. The decline was sharpest in the durable goods industries, which had been severely impacted by the recession. (See table A-38.)

The decline in unemployment was concentrated among the long-term unemployed, as both measures of the average duration of unemployment—the mean and median—declined in December to 19.6 and 9.0 weeks, respectively. (See table A-39.)

As in November, the unemployment decline occurred primarily among persons who had been permanently separated from their last job. The number of persons who had been unemployed because of other reasons—those on layoff, job leavers, and new entrants and reentrants to the labor force—were all essentially unchanged in December. Over the past year, more than four-fifths of the overall reduction in joblessness took place among job losers (those on layoff as well as those permanently separated from their jobs). (See table A-40.)

## Civilian employment and the labor force

The number of employed civilians increased by 335,000 in December to 102.9 million, seasonally adjusted. This followed an even larger increase in the previous month, bringing the 2-month employment gain to almost 1 million. Slightly over half of the 2-month increase was among adult men. Since the December 1982 low, employment has grown by 4 million. This included increases totaling nearly half a million among groups not covered by the survey of establishments—the nonagricultural self-employed, unpaid family workers, and private household workers. (See tables A-32 and A-34.)

In terms of occupational groups, over-the-year employment gains were widespread. The largest increase occurred among precision production, craft, and repair workers. (See table A-21.)

The civilian labor force, at 112.1 million, seasonally adjusted, was virtually unchanged in December. Over the past year, the labor force has grown by 1.3 million—about 730,000 adult men and 875,000 adult women. The number of teenagers who were in the labor force declined by 290,000.

## Discouraged workers

The number of discouraged workers—persons who report that they want a job but are not looking for work because they believe they could not find any—declined

in the fourth quarter of 1983 to 1.5 million; this was 350,000 below the recession high posted in the final quarter of 1982. Blacks continued to make up a disproportionately large share of all discouraged workers—31 percent in the fourth quarter of 1983. (See table A-52.)

### **Industry payroll employment**

Total nonagricultural payroll employment rose by 230,000 in December to 91.6 million, seasonally adjusted, continuing the strong job gains in evidence during 1983. Manufacturing and the services industry continued to register substantial growth. As in the past several months, job gains were widespread, with nearly two-thirds of the 186 industries in the BLS index of diffusion registering increases over the month. (See tables B-4 and B-7.)

Manufacturing job increases totaled 90,000 in December, with gains concentrated in several of the durable goods industries—electrical and electronic equipment, transportation equipment, and fabricated metals. The electrical and transportation equipment industries have both made strong recoveries from their recessionary low levels. In contrast, job recovery has been weak in fabricated metals. Nondurable goods employment increases over the month were essentially limited to apparel and rubber and plastic products.

Elsewhere, employment in the services industry increased by 70,000. There were also small gains in mining, wholesale trade, and finance, insurance, and real estate. Employment in construction remained near November's level but was up by 350,000 since its recessionary low of last March.

The number of payroll jobs has risen by 3 million since the December 1982 recession low and now exceeds the July 1981 pre-recession employment high, by 160,000. Employment grew by approximately 1 million each in manufacturing and services over the past year.

Factory employment, however, remained about 1 million below its pre-recession level.

### **Weekly hours**

The average workweek of production or nonsupervisory workers on private nonfarm payrolls was unchanged in December at 35.2 hours, seasonally adjusted, and has remained at about this level since September. Weekly hours in manufacturing edged down 0.1 hour to 40.5 hours, while factory overtime was up a tenth to 3.4 hours, the highest since 1979. (See table C-6.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls rose by 0.4 percent in December to 108.7 (1977 = 100). The manufacturing index was also up 0.4 percent to 94.0 and was 13.1 percent above last December's low. (See table C-7.)

### **Hourly and weekly earnings**

Average hourly and weekly earnings each rose by 0.5 percent in December, seasonally adjusted. Before adjustment for seasonality, average hourly earnings, at \$8.16, were up 1 cent over the month and 34 cents over the year. Weekly earnings increased by \$3.61 over the month to \$289.68, \$15.98 above a year earlier. (See tables C-1 and C-8.)

### **The Hourly Earnings Index**

The Hourly Earnings Index (HEI) was 157.6 (1977 = 100) in December, seasonally adjusted, an increase of 0.5 percent from November. For the 12 months ended in December, the increase (before seasonal adjustment) was 3.7 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing, and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 1.0 percent during the 12-month period ended in November. (See table C-8.)

# Revision of Seasonally Adjusted Labor Force Series

\*Robert J. McIntire

At the beginning 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 based on the inclusion of another full year of data in the estimation process. The initial estimates of seasonality used for current adjustment are projections based on average seasonal patterns in the recent past. Since seasonal patterns tend to change somewhat over time, it is usually possible to improve on those initial estimates by incorporating more recent data. 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 5 revision cycles before the values are considered final. This year's revisions incorporate data through December 1983 and provide revised estimates for January 1979 through December 1983.

Revised data for many of the major seasonally adjusted labor force series were published in the news release on the December 1983 employment situation, issued January 6 (USDL 84-5). Data for recent months and quarters for many more of the revised series appear in this issue of *Employment and Earnings*. In addition, this issue provides the projected seasonal factors for the first 6 months of 1984 for the 12 component series used in the computation of the seasonally adjusted civilian labor force and unemployment rate (see table 3 at the end of this article). Projected factors for the last 6 months of 1984 will be estimated in early July, based on data through June 1984, and will be published in the July issue of this publication. Next month's issue will contain the 1979-83 revisions for a few hundred of the seasonally adjusted labor force series most in demand. These revisions replace the data published in the February 1983 edition for 1979-82 and the seasonally adjusted estimates for 1983 published during the past year. Seasonally adjusted data for 1978 and earlier years were not revised.

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## Effect of the revisions

One of the criteria used to evaluate alternative methods of seasonal adjustment is how close initial estimates come 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. With respect to this criterion as applied to the overall and civilian unemployment rates, the Bureau's official method for seasonal adjustment of the labor force series performed quite well in 1983. Table 1 shows these rates as first computed and as revised, as well as the change due to revision. The civilian rate to one decimal place was unchanged by the revisions in 10 of the 12 months, and the overall rate was unchanged in 6 of the 12 months. In all months in which either rate changed, the revision never exceeded 0.1 in absolute value. These are the fewest and smallest revisions since 1979, a pleasantly surprising result, since 1983 should have been much harder to adjust well given the magnitude of the cyclical movements within the year and in the preceding 1980-82 period.

**Table 1. Seasonally adjusted unemployment rates in 1983 and change due to revision**

Month	As first computed		As revised		Change due to revision	
	Overall	Civilian	Overall	Civilian	Overall	Civilian
January . . . . .	10.2	10.4	10.3	10.4	0.1	0
February . . . . .	10.2	10.4	10.2	10.4	0	0
March . . . . .	10.1	10.3	10.2	10.3	.1	0
April . . . . .	10.1	10.2	10.1	10.2	0	0
May . . . . .	10.0	10.1	9.9	10.1	-.1	0
June . . . . .	9.8	10.0	9.8	10.0	0	0
July . . . . .	9.3	9.5	9.3	9.5	0	0
August . . . . .	9.4	9.5	9.3	9.5	-.1	0
September . . . . .	9.1	9.3	9.1	9.2	0	.1
October . . . . .	8.7	8.8	8.7	8.8	0	0
November . . . . .	8.2	8.4	8.3	8.4	.1	0
December . . . . .	8.0	8.1	8.1	8.2	.1	.1

<sup>1</sup> These rates were never published; they reflect the use of seasonal factors projected for December 1983 given in the July 1983 issue of *Employment and Earnings* and were revised before regular publication of December data.

## Adjustment methods and procedures

Through most of the 1970's, the Census Bureau's X-11 method<sup>1</sup> was used for seasonal adjustment of labor force series. At the end of 1979, the X-11 ARIMA procedure,<sup>2</sup> developed by Statistics Canada as an extension of the X-11 method, was adopted as the official seasonal adjustment procedure. The switch was made after extensive tests had shown that initial seasonally adjusted estimates were, on average, better (closer to later revisions) with the X-11 ARIMA than with the X-11 alone. Its use for seasonal adjustment of labor force data at BLS was also consistent with the recommendations in the final report of the National Commission on Employment and Unemployment Statistics.<sup>3</sup>

The X-11 ARIMA method improves current estimates 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 applied to the extended series. The addition of projected observations at the end of the series allows the actual observations from the most recent year to make a stronger contribution to estimates of current and recent seasonality than they could with the old X-11 method.

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 intrayear movements quite well. The ARIMA models in the X-11 ARIMA program used to seasonally adjust the labor force series are of the Box-Jenkins type.<sup>4</sup> They can generally be described with the notation

(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 specification 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 148 of the 188 labor force series which were directly adjusted at the end of 1983, including all 12 major civilian labor force components, whose ARIMA models are shown in table 2. The 40 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 the actual seasonal adjustment of the labor force series with the X-11 part of the process were basically the same as those followed for the last 4 years. There were, however, two minor changes. The first concerned the time span of historical data used. Instead of using all available data back to January 1967, the Bureau used a 10-year time period for the adjustment of the labor force series. This is consistent with the standard practice for the establishment survey series on nonagricultural payroll employment. Also, tests have shown that additional observations before the last 10 years generally have a negligible impact on the projected factors and the revisions for the most recent 5 years. Also a 10-year span is often more appropriate than longer periods for ARIMA identification, estimation, and forecasting, since economic time series are more likely to be affected by significant structural changes over longer periods. For all directly adjusted series, the time period used was January 1974 through December 1983. The second minor change was the discontinuance of the prior adjustment which has been applied to the unemployment series for adult men for the last several years, described in previous articles on seasonal adjustment. Since that adjustment was only applied to data prior to November 1974, it would have

<sup>1</sup> 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).

<sup>2</sup> ARIMA is an acronym for Auto-Regressive Integrated Moving Average. 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).

<sup>3</sup> National Commission on Employment and Unemployment Statistics, *Counting the Labor Force* (U.S. Government Printing Office, Labor Day 1979).

<sup>4</sup> 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 2. ARIMA models for the 12 major civilian labor force components, 1984**

Series	Model	Transformation
Agricultural employment:		
Men, 20 years and over . . . . .	(0,1,4) (0,1,1)	NONE
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 . . . . .	(2,0,1) (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 . . . . .	(0,1,1) (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 . . . . .	(2,1,2) (0,1,1)	LOG
Men, 16 to 19 years . . . . .	(0,1,1) (0,1,1)	NONE
Women, 16 to 19 years . . . . .	(0,1,4) (0,1,1)	NONE

had only a negligible impact on the projected factors or the 5-year revisions.

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 has been applied, is either the product or the sum of 3 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 4 teenage unemployment and nonagricultural employment series were adjusted using the additive model, and the other 8 series with the multiplicative model. Of all the 188 directly adjusted series, 37 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 188 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 4 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 8 employment components—the same 4 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 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 civilian employment to produce total employment. The labor force is the sum of total employment and total unemployment. The seasonally adjusted overall unemployment rate is calculated by taking total seasonally adjusted unemployment as a percent of the seasonally adjusted labor force.

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 consistent with at least one major set of components. If the totals were directly adjusted along with the components, this would not generally be true since the X-11 is not a sum-preserving procedure—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 1984 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 Division of Data Development and Users' Services, Office of Employment and Unemployment Statistics, Bureau of Labor Statistics, Washington, D.C. 20212.

**Table 3. Current seasonal adjustment factors for the 12 major civilian labor force components, January-June 1984**

Procedure and series	January	February	March	April	May	June
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Men, 20 years and over .....	0.904	0.895	0.912	0.960	1.031	1.076
Women, 20 years and over .....	.797	.795	.864	.921	1.068	1.204
Men, 16 to 19 years .....	.608	.558	.659	.844	1.079	1.529
Women, 16 to 19 years .....	.667	.537	.573	.753	1.020	1.494
Nonagricultural employment:						
Men, 20 years and over .....	.985	.985	.990	.995	1.000	1.008
Women, 20 years and over .....	.997	1.001	1.003	1.003	.999	.986
Unemployment:						
Men, 20 years and over .....	1.149	1.149	1.113	1.021	.972	.969
Women, 20 years and over .....	1.048	1.018	.983	.932	.957	1.005
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Men, 16 to 19 years .....	-296	-346	-295	-224	-119	472
Women, 16 to 19 years .....	-246	-295	-261	-210	-170	283
Unemployment:						
Men, 16 to 19 years .....	7	13	-17	-96	-97	251
Women, 16 to 19 years .....	-70	-78	-99	-91	-20	302

# Occupational Employment Statistics for 1972-82

\*Deborah Pisetzner Klein

Beginning in January 1983, the occupational data from the Current Population Survey (CPS) are being coded and published according to a new classification system.<sup>1</sup> The implementation of the new system created a break in the historical series on occupational employment. To help users bridge the data gap, a limited set of estimates has been developed for the 1972-82 period, based on the new classifications, which can be compared with data for 1983 forward. These estimates—annual averages for all civilians, men, and women, by major occupational group—are shown in table 1.<sup>2</sup>

The estimates were developed by means of conversion factors created by double coding a 20-percent sample of CPS occupational records for 6 months during 1981-82. The conversion factors initially were used to produce monthly overlap data for 1982 by applying them to the microdata file of detailed occupational employment for the period September 1981 to December 1982.<sup>3</sup> After evaluation by experts at the Bureau of the Census and the Bureau of Labor Statistics, the conversion factor procedure was judged sufficiently reliable to produce annual average estimates for the preceding decade. The

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<sup>1</sup> The new system, developed for the 1980 Census of Population, evolved from the 1980 Standard Occupational Classification System (SOC), which has been designated as the standard for all occupational data issued by the U.S. Government. The actual classification scheme used in the 1980 census may be found in *Census of Population: Classified Index of Industries and Occupations*, final edition (Bureau of the Census, 1982). The complete SOC is published in the *Standard Occupational Classification Manual* (U.S. Department of Commerce, Office of Federal Statistical Policy and Standards, 1980). For further information on the change to the 1980 census occupational classification, see Gloria Peterson Green, Khoen tan Dinh, John A. Priebe, and Ronald R. Tucker, "Revisions in the Current Population Survey Beginning in January 1983," *Employment and Earnings*, February 1983, pp. 7-15.

<sup>2</sup> These data were also adjusted to 1980 population controls, as have most other published CPS statistics for the decade of the 1970's. The conversion was limited to data beginning in 1972 because that was the first year the 1970 census classification system was fully in place.

<sup>3</sup> Monthly data for 1982, which had originally been issued according to the former classification system, were published according to the new system in 1983 issues of *Employment and Earnings* along with the data for the comparable month of 1983. 1981 monthly data were developed only for use in the estimating procedure and have not been published.

procedure was not considered adequate to provide estimates for the occupational categories below the major group level or for age and racial groups.

## Limitations of the data

Several limitations of the data should be noted. First, estimates based on conversion factors are likely to be less representative than those developed directly from occupational information provided by survey respondents.<sup>4</sup> Second, because the conversion factors were based on the situation in 1981-82, to the extent that the internal composition of occupational groups changed over the 1972-82 period, the occupational employment estimates may be less representative for the earlier years than for the later ones. It should also be noted that, because of the methodology used, the occupational groups may not add to employment totals. The totals shown in table 1 are the official estimates of overall employment, not the sums of the occupational groups.

The reader is cautioned that, although the series presented in table 1 in this article were developed for use in conjunction with the data issued for 1983, 1983 data (shown in tables 20 to 22 of this issue, pp. 176-182) are directly based on the new coding procedures and, thus, are not strictly comparable with estimates for the 1972-82 period, which are based on conversion factors.

## Occupational trends

The 1972-82 occupational data show trends consistent with those evident from previously published data. Growing occupational groups include professionals, managers, technicians, sales workers, administrative support personnel, and service workers, except private household and protective service. The occupational group whose share of employment showed the largest decline was operators, fabricators, and laborers. Among women, employment growth for managers was particularly sharp.<sup>5</sup>

<sup>4</sup> A complete recoding of the individual monthly records for the 1972-82 period, which would have been the more desirable procedure, was precluded by time, staff, and cost constraints.

<sup>5</sup> For a comprehensive discussion of occupational employment changes in the past decade using the former classification system, see Carol Boyd Leon, "Occupational Winners and Losers: Who They Were During 1972-80," *Monthly Labor Review*, June 1982, pp. 18-28.

**Table 1. Employed civilians by occupation and sex, 1972-82 annual averages**

(Numbers in thousands)

Occupation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Total										
Total employed <sup>1</sup> .....	82,153	85,064	88,794	85,846	88,752	92,017	96,048	98,824	99,303	100,397	99,528
Managerial and professional specialty .....	16,108	16,884	17,627	17,996	18,901	19,529	20,274	21,276	22,038	22,704	23,152
Executive, administrative, and managerial .....	7,278	7,797	8,119	8,105	8,544	8,863	9,343	9,820	10,215	10,570	10,597
Professional specialty .....	8,830	9,087	9,507	9,891	10,357	10,666	10,931	11,457	11,823	12,134	12,555
Technical, sales, and administrative support .....	23,619	24,301	25,019	25,259	25,988	26,952	28,340	29,560	30,324	30,713	30,769
Technicians and related support .....	1,928	2,004	2,096	2,187	2,288	2,317	2,500	2,898	2,834	2,954	3,013
Sales occupations .....	8,566	8,889	9,054	9,147	9,409	9,837	10,291	10,650	10,852	11,110	11,249
Administrative support, including clerical .....	13,125	13,409	13,870	13,925	14,290	14,797	15,549	16,212	16,638	16,649	18,507
Service occupations .....	10,831	11,009	11,281	11,582	11,957	12,398	12,859	12,915	13,071	13,241	13,494
Private household .....	1,440	1,380	1,238	1,183	1,139	1,175	1,180	1,109	1,083	1,047	1,043
Protective service .....	1,200	1,215	1,309	1,359	1,373	1,405	1,442	1,492	1,491	1,523	1,809
Service, except private household and protective .....	8,190	8,435	8,734	9,040	9,446	9,818	10,237	10,314	10,517	10,671	10,842
Precision production, craft, and repair .....	10,347	10,865	11,054	10,584	10,909	11,546	12,136	12,588	12,274	12,218	11,775
Operators, fabricators, and laborers .....	17,384	18,182	17,958	16,658	17,310	17,996	18,780	18,897	18,025	17,820	16,550
Machine operators, assemblers, and inspectors .....	8,600	9,213	8,986	8,062	8,461	8,735	9,167	9,339	8,838	8,759	7,874
Transportation and material moving occupations .....	4,143	4,235	4,232	4,154	4,232	4,450	4,529	4,635	4,491	4,382	4,198
Handlers, equipment cleaners, helpers, and laborers .....	4,641	4,735	4,740	4,442	4,617	4,810	5,084	4,922	4,696	4,679	4,478
Farming, forestry, and fishing .....	3,843	3,827	3,847	3,777	3,725	3,656	3,716	3,647	3,634	3,683	3,751
	Percent distribution										
Total employed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	19.6	19.8	20.3	21.0	21.3	21.2	21.1	21.5	22.2	22.6	23.3
Executive, administrative, and managerial .....	8.9	9.2	9.4	9.4	9.6	9.6	9.7	9.9	10.3	10.5	10.7
Professional specialty .....	10.8	10.7	11.0	11.5	11.7	11.6	11.4	11.6	11.9	12.1	12.6
Technical, sales, and administrative support .....	28.8	28.6	28.8	29.4	29.3	29.3	29.5	29.9	30.5	30.6	30.9
Technicians and related support .....	2.3	2.4	2.4	2.5	2.6	2.5	2.6	2.7	2.9	2.9	3.0
Sales occupations .....	10.4	10.4	10.4	10.7	10.6	10.7	10.7	10.8	10.9	11.1	11.3
Administrative support, including clerical .....	18.0	15.8	18.0	16.2	16.1	16.1	16.2	16.4	16.7	16.6	16.6
Service occupations .....	13.2	12.9	13.0	13.5	13.5	13.5	13.4	13.1	13.2	13.2	13.6
Private household .....	1.8	1.6	1.4	1.4	1.3	1.3	1.2	1.1	1.1	1.0	1.0
Protective service .....	1.5	1.4	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.6
Service, except private household and protective .....	10.0	9.9	10.1	10.5	10.6	10.7	10.7	10.4	10.6	10.6	10.9
Precision production, craft, and repair .....	12.6	12.8	12.7	12.3	12.3	12.5	12.6	12.7	12.4	12.2	11.8
Operators, fabricators, and laborers .....	21.2	21.4	20.7	19.4	19.5	19.5	19.5	19.1	18.1	17.8	16.6
Machine operators, assemblers, and inspectors .....	10.5	10.8	10.4	9.4	9.5	9.5	9.5	9.4	8.9	8.7	7.9
Transportation and material moving occupations .....	5.0	5.0	4.9	4.8	4.8	4.8	4.7	4.7	4.5	4.4	4.2
Handlers, equipment cleaners, helpers, and laborers .....	5.7	5.6	5.5	5.2	5.2	5.2	5.3	5.0	4.7	4.7	4.5
Farming, forestry, and fishing .....	4.7	4.5	4.4	4.4	4.2	4.0	3.9	3.7	3.7	3.7	3.8

<sup>1</sup> See footnotes at end of table.



**Table 1. Employed civilians by occupation and sex, 1972-82 annual averages - Continued**

(Numbers in thousands)

Occupation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Men										
Total employed <sup>1</sup> .....	50,896	52,349	53,024	51,857	53,138	54,728	56,479	57,607	57,186	57,397	56,271
Managerial and professional specialty .....	10,795	11,237	11,682	11,742	12,152	12,421	12,761	13,214	13,425	13,713	13,766
Executive, administrative, and managerial .....	5,846	6,205	6,425	6,328	6,532	6,637	6,869	7,089	7,175	7,278	7,217
Professional specialty .....	4,948	5,033	5,257	5,414	5,620	5,784	5,892	6,125	6,250	6,435	6,549
Technical, sales, and administrative support .....	9,561	9,733	9,798	9,764	9,838	10,079	10,407	10,671	10,937	10,973	10,995
Technicians and related support .....	1,188	1,209	1,257	1,260	1,309	1,291	1,422	1,538	1,592	1,611	1,640
Sales occupations .....	5,093	5,295	5,350	5,314	5,401	5,590	5,731	5,849	5,950	6,047	6,113
Administrative support, including clerical .....	3,280	3,229	3,191	3,170	3,129	3,198	3,255	3,284	3,395	3,315	3,242
Service occupations .....	4,216	4,220	4,321	4,512	4,753	4,866	4,972	5,006	5,110	5,159	5,295
Private household .....	35	22	28	29	29	35	26	25	26	37	33
Protective service .....	1,122	1,140	1,221	1,262	1,274	1,282	1,307	1,348	1,336	1,354	1,424
Service, except private household and protective .....	3,059	3,058	3,072	3,221	3,450	3,548	3,638	3,633	3,748	3,788	3,838
Precision production, craft, and repair .....	9,853	10,297	10,453	10,005	10,301	10,896	11,393	11,826	11,492	11,406	10,938
Operators, fabricators, and laborers .....	13,201	13,618	13,466	12,589	12,921	13,396	13,866	13,868	13,206	13,028	12,094
Machine operators, assemblers, and inspectors .....	5,278	5,595	5,494	4,942	5,120	5,248	5,484	5,591	5,266	5,226	4,603
Transportation and material moving occupations .....	3,996	4,056	4,046	3,953	4,003	4,192	4,247	4,316	4,183	4,051	3,874
Handlers, equipment cleaners, helpers, and laborers .....	3,926	3,967	3,926	3,694	3,798	3,956	4,135	3,981	3,758	3,751	3,617
Farming, forestry, and fishing .....	3,250	3,256	3,303	3,247	3,193	3,105	3,118	3,082	3,055	3,106	3,167
	Percent distribution										
Total employed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	21.2	21.5	22.0	22.6	22.9	22.7	22.6	22.9	23.5	23.9	24.5
Executive, administrative, and managerial .....	11.5	11.8	12.1	12.2	12.3	12.1	12.2	12.3	12.5	12.7	12.8
Professional specialty .....	9.7	9.6	9.9	10.4	10.6	10.6	10.4	10.6	10.9	11.2	11.6
Technical, sales, and administrative support .....	18.8	18.6	18.5	18.8	18.5	18.4	18.4	18.5	19.1	19.1	19.5
Technicians and related support .....	2.3	2.3	2.4	2.5	2.5	2.4	2.5	2.7	2.8	2.8	2.9
Sales occupations .....	10.0	10.1	10.1	10.2	10.2	10.2	10.1	10.1	10.4	10.5	10.9
Administrative support, including clerical .....	6.4	6.2	6.0	6.1	5.9	5.8	5.8	5.7	5.9	5.8	5.8
Service occupations .....	8.3	8.1	8.1	8.7	8.9	8.9	8.8	8.7	8.9	9.0	9.4
Private household .....	.1	( <sup>a</sup> )	.1	.1	.1	.1	( <sup>a</sup> )	( <sup>a</sup> )	( <sup>a</sup> )	.1	.1
Protective service .....	2.2	2.2	2.3	2.4	2.4	2.3	2.3	2.3	2.3	2.4	2.5
Service, except private household and protective .....	6.0	5.8	5.8	6.2	6.5	6.5	6.4	6.3	6.5	6.6	6.8
Precision production, craft, and repair .....	19.4	19.7	19.7	19.3	19.4	19.9	20.2	20.5	20.1	19.9	19.4
Operators, fabricators, and laborers .....	25.9	26.0	25.4	24.3	24.3	24.5	24.5	24.1	23.1	22.7	21.5
Machine operators, assemblers, and inspectors .....	10.4	10.7	10.4	9.5	9.6	9.6	9.7	9.7	9.2	9.1	8.2
Transportation and material moving occupations .....	7.9	7.7	7.6	7.6	7.5	7.7	7.5	7.5	7.3	7.1	6.9
Handlers, equipment cleaners, helpers, and laborers .....	7.7	7.6	7.4	7.1	7.1	7.2	7.3	6.9	6.6	6.5	6.4
Farming, forestry, and fishing .....	6.4	6.2	6.2	6.3	6.0	5.7	5.5	5.3	5.3	5.4	5.6

<sup>1</sup> See footnotes at end of table.

**Table 1. Employed civilians by occupation and sex, 1972-82 annual averages - Continued**

(Numbers in thousands)

Occupation	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
	Women										
Total employed <sup>1</sup> .....	31,257	32,715	33,769	33,989	35,615	37,289	39,569	41,217	42,117	43,000	43,256
Managerial and professional specialty .....	5,314	5,647	5,944	6,254	6,748	7,109	7,514	8,063	8,611	8,991	9,385
Executive, administrative, and managerial .....	1,433	1,593	1,695	1,777	2,012	2,226	2,475	2,731	3,038	3,292	3,379
Professional specialty .....	3,881	4,054	4,250	4,477	4,737	4,883	5,040	5,332	5,573	5,699	6,006
Technical, sales, and administrative support .....	14,058	14,568	15,220	15,494	16,150	16,872	17,934	18,888	19,387	19,739	19,775
Technicians and related support .....	740	794	839	907	979	1,026	1,078	1,160	1,243	1,343	1,373
Sales occupations .....	3,473	3,593	3,703	3,833	4,008	4,246	4,559	4,798	4,901	5,062	5,136
Administrative support, including clerical .....	9,845	10,181	10,678	10,755	11,163	11,600	12,296	12,930	13,243	13,334	13,266
Service occupations .....	6,614	6,768	6,960	7,070	7,205	7,532	7,886	7,909	7,961	8,082	8,199
Private household .....	1,405	1,338	1,210	1,154	1,110	1,140	1,154	1,084	1,037	1,010	1,010
Protective service .....	78	75	88	96	99	123	134	144	154	169	165
Service, except private household and protective .....	5,131	5,376	5,663	5,820	5,997	6,269	6,597	6,881	6,769	6,903	7,004
Precision production, craft, and repair .....	493	569	601	579	609	651	744	763	782	813	838
Operators, fabricators, and laborers .....	4,183	4,564	4,492	4,070	4,389	4,599	4,915	5,027	4,820	4,792	4,456
Machine operators, assemblers, and inspectors .....	3,322	3,617	3,492	3,120	3,340	3,486	3,682	3,747	3,571	3,533	3,271
Transportation and material moving occupations .....	148	179	186	201	230	258	282	320	309	331	324
Handlers, equipment cleaners, helpers, and laborers .....	715	768	815	749	819	854	951	961	939	928	861
Farming, forestry, and fishing .....	593	571	544	530	532	552	599	586	580	577	584
	Percent distribution										
Total employed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	17.0	17.3	17.6	18.4	18.9	19.1	19.0	19.8	20.4	20.9	21.7
Executive, administrative, and managerial .....	4.6	4.9	5.0	5.2	5.6	6.0	6.3	6.6	7.2	7.7	7.8
Professional specialty .....	12.4	12.4	12.8	13.2	13.3	13.1	12.7	12.9	13.2	13.3	13.9
Technical, sales, and administrative support .....	45.0	44.5	45.1	45.6	45.3	45.2	45.3	45.8	46.0	45.9	45.7
Technicians and related support .....	2.4	2.4	2.5	2.7	2.7	2.7	2.7	2.8	2.9	3.1	3.2
Sales occupations .....	11.1	11.0	11.0	11.3	11.2	11.4	11.5	11.6	11.8	11.8	11.9
Administrative support, including clerical .....	31.5	31.1	31.6	31.6	31.3	31.1	31.1	31.4	31.4	31.0	30.7
Service occupations .....	21.2	20.8	20.8	20.8	20.2	20.2	19.9	19.2	18.9	18.8	19.0
Private household .....	4.5	4.1	3.8	3.4	3.1	3.1	2.9	2.6	2.5	2.3	2.3
Protective service .....	.2	.2	.3	.3	.3	.3	.3	.3	.4	.4	.4
Service, except private household and protective .....	16.4	16.4	16.8	17.1	16.8	16.8	16.7	16.2	16.1	16.1	16.2
Precision production, craft, and repair .....	1.6	1.7	1.8	1.7	1.7	1.7	1.9	1.8	1.9	1.9	1.9
Operators, fabricators, and laborers .....	13.4	14.0	13.3	12.0	12.3	12.3	12.4	12.2	11.4	11.1	10.3
Machine operators, assemblers, and inspectors .....	10.6	11.1	10.3	9.2	9.4	9.3	9.3	9.1	8.5	8.2	7.6
Transportation and material moving occupations .....	.5	.5	.5	.6	.6	.7	.7	.8	.7	.8	.7
Handlers, equipment cleaners, helpers, and laborers .....	2.3	2.3	2.4	2.2	2.3	2.3	2.4	2.3	2.2	2.2	2.0
Farming, forestry, and fishing .....	1.9	1.7	1.6	1.6	1.5	1.5	1.5	1.4	1.4	1.3	1.4

<sup>1</sup> Detail may not add to totals because of the estimating procedures used to generate occupational data.

<sup>2</sup> Less than 0.05 percent.

**HOUSEHOLD DATA  
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**A-1. Employment status of the noninstitutional population 16 years and over, 1951 to date**

(Numbers in thousands)

Year and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
1951	106,764	84,160	60.1	82,104	2,143	59,961	6,726	53,235	2,055	3.2	42,604	
1952	107,617	84,524	60.0	82,636	2,386	60,250	6,500	53,749	1,883	2.9	43,093	
1953 <sup>1</sup>	109,287	85,246	59.7	83,410	2,231	61,179	6,260	54,919	1,834	2.8	44,041	
1954	110,463	85,785	59.6	82,251	2,142	60,109	6,205	53,904	3,532	5.4	44,678	
1955	111,747	87,087	60.0	84,234	2,064	62,170	6,450	55,722	2,852	4.3	44,660	
1956	112,919	88,517	60.7	85,764	1,965	63,799	6,283	57,514	2,750	4.0	44,402	
1957	114,213	88,877	60.3	86,019	1,948	64,071	5,947	58,123	2,859	4.2	45,336	
1958	115,574	89,486	60.1	84,883	1,847	63,036	5,586	57,450	4,602	6.6	48,088	
1959	117,117	70,157	59.9	66,418	1,788	64,630	5,565	59,065	3,740	5.3	46,960	
1960 <sup>1</sup>	119,106	71,489	60.0	67,639	1,861	65,778	5,458	60,318	3,852	5.4	47,617	
1961	120,871	72,359	60.0	67,646	1,900	65,746	5,200	60,546	4,714	6.5	48,312	
1962 <sup>1</sup>	122,214	72,675	59.5	68,763	2,061	66,702	4,944	61,759	3,911	5.4	49,539	
1963	124,422	73,839	59.3	69,768	2,008	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	3,368	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	138,573	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 <sup>1</sup>	145,939	88,847	60.9	83,966	1,813	82,153	3,484	78,669	4,882	5.5	57,091	
1973 <sup>1</sup>	148,870	91,203	61.3	86,838	1,774	85,064	3,470	81,594	4,365	4.8	57,667	
1974	151,841	93,670	61.7	88,515	1,721	86,794	3,515	83,279	5,156	5.5	58,171	
1975	154,831	95,453	61.6	87,524	1,678	85,846	3,408	82,438	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 <sup>1</sup>	163,541	103,882	63.5	97,679	1,631	96,048	3,367	92,661	6,202	6.0	59,659	
1979	166,460	108,559	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	82,067	
1983	175,891	113,226	64.4	102,510	1,676	100,834	3,383	97,450	10,717	9.5	62,665	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
<b>1982:</b>												
December	174,864	112,538	64.4	100,644	1,665	98,979	3,429	95,550	11,894	10.6	62,326	
<b>1983:</b>												
January	175,021	112,344	64.2	100,821	1,667	99,154	3,420	95,734	11,523	10.3	62,677	
February	175,169	112,352	64.1	100,836	1,664	99,172	3,415	95,757	11,516	10.2	62,817	
March	175,320	112,399	64.1	100,980	1,664	99,316	3,386	95,930	11,419	10.2	62,921	
April	175,465	112,646	64.2	101,277	1,671	99,606	3,392	96,214	11,369	10.1	62,819	
May	175,622	112,619	64.1	101,431	1,669	99,762	3,374	96,388	11,168	9.9	63,003	
June	175,793	113,573	64.6	102,411	1,668	100,743	3,479	97,264	11,162	9.8	62,220	
July	175,970	113,489	64.5	102,889	1,664	101,225	3,499	97,726	10,600	9.3	62,481	
August	176,122	113,799	64.6	103,166	1,682	101,484	3,449	98,035	10,633	9.3	62,323	
September	176,297	113,924	64.6	103,571	1,695	101,876	3,308	98,568	10,353	9.1	62,373	
October	176,474	113,561	64.3	103,865	1,695	101,970	3,240	98,730	9,896	8.7	62,913	
November	178,636	113,720	64.4	104,291	1,685	102,606	3,257	99,349	9,429	8.3	62,916	
December	178,809	113,824	64.4	104,629	1,688	102,941	3,356	99,585	9,195	8.1	62,985	

<sup>1</sup> Not strictly comparable with prior years. For an explanation, see "Historical Comparability" under the Household Data section of the Explanatory Notes.  
<sup>2</sup> The population and Armed Forces figures are not adjusted for

seasonal variation.

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

**HOUSEHOLD DATA  
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**A-2. Employment status of the noninstitutional population 16 years and over by sex, 1973 to date**

(Numbers in thousands)

Sex, year, and month	Noninstitutional population	Labor force									Not in labor force	
		Number	Percent of population	Employed						Unemployed		
				Total	Resident Armed Forces	Civilian			Number	Percent of labor force		
						Total	Agriculture	Nonagricultural industries				
<b>Annual averages</b>												
<b>MEN</b>												
1973 <sup>1</sup> .....	71,017	56,349	79.3	54,074	1,725	52,349	2,847	49,502	2,275	4.0	14,667	
1974 .....	72,466	57,987	79.2	54,682	1,658	53,024	2,919	50,105	2,714	4.7	15,069	
1975 .....	73,891	57,899	78.4	53,457	1,800	51,657	2,824	49,032	4,442	7.7	15,993	
1976 .....	75,341	58,756	78.0	54,720	1,582	53,138	2,744	50,394	4,036	6.9	16,585	
1977 .....	78,758	59,959	78.1	56,291	1,563	54,728	2,871	52,057	3,667	6.1	16,797	
1978 <sup>1</sup> .....	78,107	61,151	78.3	58,010	1,531	56,479	2,718	53,761	3,142	5.1	18,956	
1979 .....	79,509	62,215	78.2	59,096	1,489	57,607	2,688	54,921	3,120	5.0	17,293	
1980 .....	80,877	62,932	77.8	58,665	1,479	57,188	2,709	54,477	4,267	6.8	17,945	
1981 .....	82,023	63,466	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	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
1982:												
December .....	63,581	64,263	76.9	57,284	1,529	55,765	2,744	53,021	6,969	10.8	19,318	
1983:												
January .....	83,652	84,017	76.5	57,334	1,531	55,803	2,748	53,057	6,683	10.4	19,635	
February .....	83,720	84,077	76.5	57,321	1,528	55,793	2,899	53,094	8,758	10.5	19,643	
March .....	83,789	84,096	76.5	57,423	1,528	55,895	2,695	53,200	6,873	10.4	19,693	
April .....	83,856	84,311	78.7	57,589	1,530	56,059	2,707	53,352	6,722	10.5	19,545	
May .....	83,931	84,346	78.7	57,744	1,528	56,216	2,715	53,501	6,604	10.3	19,583	
June .....	84,014	84,778	77.1	56,369	1,525	56,844	2,784	54,060	8,409	9.9	19,236	
July .....	84,099	84,840	77.1	56,592	1,521	57,071	2,812	54,259	8,248	9.6	19,259	
August .....	84,173	84,607	77.0	56,607	1,536	57,069	2,762	54,307	6,200	9.6	19,366	
September .....	84,281	84,877	77.0	58,828	1,549	57,279	2,676	54,603	6,049	9.3	19,384	
October .....	84,344	84,709	76.7	58,950	1,543	57,407	2,595	54,812	5,759	8.9	19,835	
November .....	84,423	84,646	76.8	59,389	1,534	57,855	2,575	55,260	5,457	8.4	19,577	
December .....	84,506	84,638	76.7	59,580	1,537	58,043	2,650	55,393	5,258	8.1	19,668	
<b>Annual averages</b>												
<b>WOMEN</b>												
1973 <sup>1</sup> .....	77,853	34,853	44.8	32,784	49	32,715	822	32,083	2,089	6.0	43,000	
1974 .....	79,375	36,274	45.7	33,832	83	33,769	596	33,173	2,441	6.7	43,101	
1975 .....	80,936	37,553	46.4	34,067	76	33,989	584	33,404	3,486	9.3	43,368	
1976 .....	82,478	39,069	47.4	35,701	66	35,615	588	35,027	3,369	6.6	43,406	
1977 .....	83,932	40,705	46.5	37,381	92	37,289	812	36,877	3,324	6.2	43,227	
1978 <sup>1</sup> .....	85,434	42,731	50.0	39,669	100	39,569	669	36,900	3,061	7.2	42,703	
1979 .....	86,951	44,343	51.0	41,325	108	41,217	661	40,558	3,018	8.8	42,608	
1980 .....	88,472	45,611	51.6	42,241	124	42,117	656	41,481	3,370	7.4	42,661	
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	43,995	139	43,256	665	42,591	4,499	9.4	42,993	
1983 .....	91,627	48,646	53.0	44,190	143	44,047	680	43,367	4,457	9.2	43,181	
<b>Monthly data, seasonally adjusted<sup>2</sup></b>												
1982:												
December .....	91,263	48,275	52.9	43,350	136	43,214	685	42,529	4,925	10.2	43,008	
1983:												
January .....	91,369	48,327	52.9	43,487	138	43,351	674	42,677	4,840	10.0	43,042	
February .....	91,449	48,275	52.6	43,515	136	43,379	716	42,663	4,760	9.9	43,174	
March .....	91,532	48,303	52.6	43,557	136	43,421	691	42,730	4,748	9.8	43,229	
April .....	91,609	48,335	52.8	43,688	141	43,547	685	42,862	4,647	9.6	43,274	
May .....	91,691	48,271	52.8	43,667	141	43,546	659	42,867	4,584	9.5	43,420	
June .....	91,779	48,795	53.2	44,042	143	43,899	695	43,204	4,753	9.7	42,984	
July .....	91,871	48,849	53.0	44,297	143	44,154	687	43,467	4,352	8.9	43,222	
August .....	91,949	48,992	53.3	44,559	144	44,415	687	43,728	4,433	9.0	42,957	
September .....	92,036	49,047	53.3	44,743	148	44,597	632	43,965	4,304	8.6	42,989	
October .....	92,129	48,852	53.0	44,715	152	44,563	645	43,918	4,137	8.5	43,277	
November .....	92,214	48,674	53.0	44,902	151	44,751	682	44,069	3,972	8.1	43,340	
December .....	92,302	48,986	53.1	45,049	151	44,898	706	44,192	3,937	8.0	43,316	

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

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

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

(Numbers in thousands)

Age, sex, and race	December 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>TOTAL</b>											
16 years and over .....	175,121	111,795	63.8	102,803	8,992	8.0	63,326	32,535	9,783	2,570	18,438
16 to 19 years .....	15,022	7,633	50.8	8,159	1,474	19.3	7,388	540	8,349	18	481
18 to 17 years .....	7,273	2,838	39.0	2,215	623	21.9	4,435	123	4,168	6	140
16 to 19 years .....	7,748	4,795	61.9	3,944	651	17.8	2,953	417	2,189	12	341
20 to 24 years .....	20,740	15,713	75.8	13,874	1,839	11.7	5,027	2,005	2,289	64	668
25 to 54 years .....	91,176	73,362	80.5	68,412	4,950	6.7	17,815	13,431	1,111	831	2,442
25 to 34 years .....	39,490	32,247	81.7	29,637	2,809	8.1	7,243	5,392	807	205	839
25 to 29 years .....	20,667	16,900	81.6	15,422	1,478	8.7	3,787	2,711	547	88	421
30 to 34 years .....	18,822	15,346	81.5	14,215	1,131	7.4	3,476	2,661	260	116	419
35 to 44 years .....	29,519	24,253	82.2	22,866	1,387	5.7	5,266	4,152	237	204	672
35 to 39 years .....	18,298	13,442	62.5	12,604	839	6.2	2,856	2,279	141	83	351
40 to 44 years .....	13,221	10,811	81.8	10,262	549	5.1	2,410	1,870	97	122	322
45 to 54 years .....	22,168	16,963	76.1	15,908	954	5.7	5,306	3,887	87	422	930
45 to 49 years .....	11,173	8,666	79.4	6,382	504	5.7	2,307	1,712	40	175	382
50 to 54 years .....	10,995	7,996	72.7	7,546	450	5.6	2,999	2,178	28	247	548
55 to 64 years .....	22,022	12,104	55.0	11,479	625	5.2	9,917	5,826	24	681	3,387
55 to 59 years .....	11,335	7,355	64.9	6,975	380	5.2	3,960	2,622	10	378	971
60 to 64 years .....	10,687	4,750	44.4	4,505	245	5.2	5,937	3,204	14	303	2,416
65 years and over .....	26,160	2,982	11.4	2,878	104	3.5	23,178	10,732	10	976	11,460
65 to 69 years .....	8,916	1,719	19.3	1,837	82	4.8	7,198	3,353	8	238	3,801
70 years and over .....	17,245	1,263	7.3	1,241	22	1.7	15,981	7,379	4	738	7,859
<b>Men</b>											
16 years and over .....	82,969	82,869	75.8	57,559	5,310	8.4	20,101	459	5,067	1,521	13,054
16 to 19 years .....	7,536	3,953	52.5	3,107	647	21.4	3,583	14	3,272	10	266
18 to 17 years .....	3,693	1,440	39.0	1,076	362	25.2	2,253	8	2,156	3	88
16 to 19 years .....	3,843	2,513	65.4	2,029	464	19.3	1,330	8	1,117	7	198
20 to 24 years .....	10,120	8,390	82.9	7,291	1,100	13.1	1,730	25	1,261	44	400
25 to 54 years .....	44,369	41,603	93.6	38,707	2,896	7.0	2,787	132	529	593	1,511
25 to 34 years .....	19,321	18,198	94.2	16,676	1,520	6.4	1,123	43	431	141	508
25 to 29 years .....	10,126	9,485	93.7	8,592	893	9.4	641	20	314	62	245
30 to 34 years .....	9,195	8,713	94.6	8,086	627	7.2	482	23	117	79	263
35 to 44 years .....	14,356	13,693	95.4	12,893	799	5.8	663	37	75	152	400
35 to 39 years .....	7,930	7,591	95.7	7,124	468	6.2	339	27	49	64	200
40 to 44 years .....	6,426	6,101	94.9	5,789	332	5.4	325	10	27	88	200
45 to 54 years .....	10,692	9,712	90.8	9,136	576	5.9	980	52	23	301	604
45 to 49 years .....	5,414	5,029	92.9	4,714	315	8.3	385	20	12	120	234
50 to 54 years .....	5,278	4,683	88.7	4,422	261	5.6	595	33	12	181	370
55 to 64 years .....	10,289	7,156	69.7	6,754	402	5.6	3,113	85	3	441	2,583
55 to 59 years .....	5,338	4,331	61.1	4,097	234	5.4	1,006	42	1	246	718
60 to 64 years .....	4,931	2,825	57.3	2,857	168	5.9	2,106	43	2	196	1,865
65 years and over .....	10,675	1,768	16.5	1,701	85	3.7	8,909	202	1	433	6,273
65 to 69 years .....	3,972	978	24.8	929	49	5.0	2,994	65	1	143	2,785
70 years and over .....	6,704	788	11.8	772	16	2.0	5,915	137	-	290	5,488
<b>Women</b>											
16 years and over .....	92,151	48,928	53.1	45,244	3,683	7.5	43,225	32,076	4,717	1,048	5,384
16 to 19 years .....	7,486	3,680	49.2	3,053	627	17.0	3,806	526	3,077	8	195
16 to 17 years .....	3,580	1,396	39.0	1,137	260	18.6	2,182	117	2,010	4	52
16 to 19 years .....	3,908	2,282	58.4	1,915	367	16.1	1,823	409	1,067	5	143
20 to 24 years .....	10,820	7,323	68.0	6,584	739	10.1	3,297	1,980	1,029	20	268
25 to 54 years .....	48,807	31,760	67.9	29,705	2,054	6.5	15,048	13,299	582	238	931
25 to 34 years .....	20,168	14,048	69.7	12,959	1,089	7.8	8,120	5,349	376	64	332
25 to 29 years .....	10,541	7,415	70.3	6,830	585	7.9	3,126	2,691	233	26	176
30 to 34 years .....	9,627	6,633	68.9	6,129	504	7.6	2,994	2,658	143	37	156
35 to 44 years .....	15,163	10,561	69.8	9,973	588	5.6	4,603	4,116	162	52	273
35 to 39 years .....	8,368	5,851	69.9	5,460	371	8.3	2,517	2,258	92	19	151
40 to 44 years .....	6,795	4,710	69.3	4,493	217	4.6	2,085	1,860	70	34	122
45 to 54 years .....	11,476	7,151	62.3	6,773	378	5.3	4,328	3,835	44	121	326
45 to 49 years .....	5,759	3,637	66.6	3,648	189	4.9	1,922	1,692	28	55	148
50 to 54 years .....	5,717	3,313	58.0	3,124	189	5.7	2,404	2,143	16	66	178
55 to 64 years .....	11,753	4,948	42.1	4,725	223	4.5	6,605	5,741	21	240	803
55 to 59 years .....	5,997	3,023	50.4	2,878	146	4.6	2,974	2,580	9	132	252
60 to 64 years .....	5,755	1,925	33.4	1,648	77	4.0	3,831	3,181	12	107	551
65 years and over .....	15,485	1,216	7.9	1,177	39	3.2	14,269	10,530	9	543	3,187
65 to 69 years .....	4,944	741	15.0	708	33	4.4	4,204	3,288	5	95	816
70 years and over .....	10,541	475	4.5	469	6	1.4	10,066	7,242	4	448	2,371

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age, sex, and race	December 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
<b>WHITE</b>											
16 years and over .....	151,484	97,352	64.3	90,626	6,724	6.9	54,131	26,586	7,522	1,980	16,044
16 to 19 years .....	12,414	6,744	54.3	5,649	1,095	18.2	5,670	429	4,890	13	338
16 to 17 years .....	5,987	2,577	43.0	2,079	497	19.3	3,410	98	3,194	4	114
18 to 19 years .....	8,427	4,167	64.8	3,570	597	14.3	2,259	331	1,896	9	224
20 to 24 years .....	17,371	13,558	78.0	12,291	1,267	9.3	3,813	1,548	1,608	41	417
25 to 54 years .....	78,373	63,438	80.9	59,675	3,763	5.9	14,936	11,577	802	618	1,940
25 to 34 years .....	33,440	27,538	82.3	25,649	1,889	8.9	5,903	4,561	585	130	626
25 to 29 years .....	17,458	14,420	82.8	13,381	1,039	7.2	3,035	2,273	403	54	306
30 to 34 years .....	15,985	13,118	82.1	12,268	850	8.5	2,867	2,289	182	75	321
35 to 44 years .....	25,587	21,068	82.4	19,959	1,109	5.3	4,499	3,631	166	151	550
35 to 39 years .....	14,132	11,679	82.8	11,015	664	8.3	2,454	2,006	98	63	278
40 to 44 years .....	11,434	9,389	82.1	8,944	444	4.7	2,046	1,632	88	69	273
45 to 54 years .....	19,366	14,832	76.6	14,067	765	5.2	4,534	3,384	51	336	763
45 to 49 years .....	9,702	7,783	80.0	7,378	385	5.0	1,940	1,479	28	133	298
50 to 54 years .....	9,683	7,069	73.2	6,889	379	5.4	2,585	1,902	22	203	465
55 to 64 years .....	19,864	10,882	55.3	10,373	509	4.7	8,782	5,266	12	498	3,005
55 to 59 years .....	10,097	6,588	65.3	6,284	304	4.6	3,499	2,357	10	271	861
60 to 64 years .....	9,568	4,284	44.8	4,079	205	4.8	5,284	2,909	2	227	2,145
65 years and over .....	23,661	2,730	11.5	2,640	90	3.3	20,931	9,765	10	810	10,345
65 to 89 years .....	8,058	1,573	19.5	1,498	72	4.6	6,487	3,035	6	194	3,251
70 years and over .....	15,602	1,159	7.4	1,140	18	1.6	14,444	6,730	4	617	7,093
<b>Men</b>											
16 years and over .....	72,215	55,338	76.6	51,219	4,119	7.4	16,677	361	3,887	1,166	11,464
16 to 19 years .....	6,222	3,484	56.0	2,832	652	16.7	2,738	12	2,511	9	206
16 to 17 years .....	3,038	1,302	42.9	1,008	295	22.6	1,736	7	1,656	3	71
18 to 19 years .....	3,163	2,181	68.5	1,824	357	16.4	1,002	5	656	6	135
20 to 24 years .....	8,540	7,221	84.8	6,435	788	10.9	1,319	20	1,020	31	247
25 to 54 years .....	38,562	36,467	94.6	34,175	2,294	6.3	2,085	90	352	451	1,203
25 to 34 years .....	16,572	15,778	95.2	14,612	1,166	7.4	794	29	292	90	383
25 to 29 years .....	8,870	8,213	94.7	7,531	683	6.3	456	14	222	38	183
30 to 34 years .....	7,903	7,585	95.7	7,081	484	6.4	338	18	70	52	200
35 to 44 years .....	12,587	12,065	96.0	11,410	656	5.4	501	21	47	111	323
35 to 39 years .....	8,939	8,688	96.4	8,307	381	5.7	252	16	29	47	156
40 to 44 years .....	5,827	5,377	95.6	5,103	274	5.1	250	3	18	65	185
45 to 54 years .....	9,423	8,624	91.5	8,152	472	5.5	799	39	14	249	498
45 to 49 years .....	4,736	4,448	93.8	4,195	251	5.7	292	17	7	94	175
50 to 54 years .....	4,685	4,178	69.2	3,957	220	5.3	508	22	7	155	323
55 to 64 years .....	9,229	6,536	70.8	6,204	333	5.1	2,892	71	2	324	2,295
55 to 59 years .....	4,790	3,949	82.4	3,755	193	4.9	841	32	1	176	832
60 to 64 years .....	4,439	2,588	58.3	2,448	139	5.4	1,651	39	2	148	1,662
65 years and over .....	9,882	1,629	16.9	1,574	56	3.4	8,033	169	1	351	7,513
65 to 69 years .....	3,617	904	25.0	861	42	4.7	2,714	49	1	119	2,544
70 years and over .....	8,045	726	12.0	712	14	1.9	5,320	119	-	232	4,989
<b>Women</b>											
16 years and over .....	78,268	42,014	53.0	39,410	2,605	6.2	37,254	28,225	3,635	814	4,579
16 to 19 years .....	6,192	3,260	52.7	2,817	443	13.6	2,932	418	2,378	4	132
16 to 17 years .....	2,949	1,274	43.2	1,071	203	15.9	1,674	91	1,536	2	43
18 to 19 years .....	3,243	1,986	61.2	1,748	240	12.1	1,257	326	840	2	68
20 to 24 years .....	8,631	6,337	71.8	5,856	481	7.6	2,494	1,526	788	10	169
25 to 54 years .....	39,811	26,971	67.7	25,500	1,469	5.4	12,841	11,487	450	167	737
25 to 34 years .....	16,868	11,760	69.7	11,037	723	6.1	5,108	4,532	293	40	244
25 to 29 years .....	8,788	8,207	70.6	5,850	358	5.7	2,579	2,259	181	16	123
30 to 34 years .....	6,082	5,553	68.7	5,167	366	6.6	2,529	2,273	112	23	121
35 to 44 years .....	13,000	9,003	69.3	8,549	454	5.0	3,997	3,610	120	40	228
35 to 39 years .....	7,193	4,991	69.4	4,706	283	5.7	2,202	1,997	69	16	120
40 to 44 years .....	5,807	4,012	69.1	3,841	170	4.2	1,798	1,813	50	24	108
45 to 54 years .....	9,943	8,208	82.4	5,915	293	4.7	3,735	3,345	37	87	265
45 to 49 years .....	4,964	3,317	66.8	3,183	134	4.0	1,648	1,484	22	39	123
50 to 54 years .....	4,976	2,891	58.1	2,732	159	5.5	2,087	1,882	15	46	142
55 to 64 years .....	10,438	4,346	41.6	4,189	176	4.1	8,090	5,195	10	174	711
55 to 59 years .....	5,306	2,849	49.9	2,539	111	4.2	2,857	2,325	9	95	228
60 to 64 years .....	5,129	1,696	33.1	1,631	66	3.9	3,433	2,871	1	79	482
65 years and over .....	13,999	1,101	7.9	1,087	34	3.1	12,897	9,587	9	480	2,831
65 to 89 years .....	4,442	669	15.1	638	30	4.5	3,773	2,986	5	75	707
70 years and over .....	9,557	433	4.5	428	4	1.0	9,124	6,611	4	385	2,124

HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED

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

(Numbers in thousands)

Age, sex, and race	December 1983										
	Civilian noninstitutional population	Civilian labor force					Not in labor force				
		Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force						
<b>BLACK</b>											
16 years and over .....	19,086	11,561	60.6	9,589	1,973	17.1	7,525	3,205	1,735	538	2,046
16 to 19 years .....	2,195	723	32.9	375	348	48.1	1,472	96	1,239	5	132
16 to 17 years .....	1,072	210	19.6	95	115	54.8	881	21	615	2	23
18 to 19 years .....	1,124	513	45.6	280	232	45.3	611	74	424	3	109
20 to 24 years .....	2,753	1,773	64.4	1,253	520	29.3	980	390	335	22	232
25 to 54 years .....	10,012	7,856	78.5	6,851	1,005	12.8	2,156	1,391	149	191	426
25 to 34 years .....	4,678	3,759	60.4	3,142	617	16.4	919	578	103	67	172
25 to 29 years .....	2,508	1,998	79.7	1,621	377	18.9	510	320	68	29	93
30 to 34 years .....	2,169	1,761	81.2	1,521	240	13.6	408	257	34	37	78
35 to 44 years .....	3,067	2,466	60.4	2,239	227	9.2	601	410	40	47	104
35 to 39 years .....	1,890	1,393	82.4	1,247	146	10.5	297	206	17	16	59
40 to 44 years .....	1,378	1,074	77.9	992	81	7.5	304	204	23	32	45
45 to 54 years .....	2,267	1,631	71.9	1,470	161	9.9	837	403	6	77	150
45 to 49 years .....	1,175	867	73.8	765	104	12.0	307	186	7	38	76
50 to 54 years .....	1,092	763	69.9	706	58	7.6	329	217	-	40	74
55 to 64 years .....	1,968	1,003	51.0	915	89	8.9	965	469	12	168	316
55 to 59 years .....	1,043	641	61.4	580	61	9.5	403	217	-	96	89
60 to 64 years .....	925	363	39.2	335	28	7.7	562	252	12	72	226
65 years and over .....	2,157	206	9.5	194	11	5.5	1,951	859	-	152	940
65 to 69 years .....	732	119	16.3	109	10	8.4	613	273	-	43	296
70 years and over .....	1,425	87	6.1	85	3	3.4	1,338	587	-	110	642
<b>Men</b>											
16 years and over .....	8,525	5,913	69.4	4,899	1,015	17.2	2,611	91	857	317	1,344
16 to 19 years .....	1,074	369	34.4	192	177	47.9	704	3	629	1	72
16 to 17 years .....	533	110	20.7	46	64	58.2	422	-	406	-	16
18 to 19 years .....	542	259	47.8	146	113	43.5	282	2	223	1	56
20 to 24 years .....	1,270	955	75.2	680	275	28.8	314	3	181	12	138
25 to 54 years .....	4,472	3,979	89.0	3,481	498	12.5	493	39	66	128	259
25 to 34 years .....	2,105	1,892	89.9	1,594	298	15.8	213	12	52	46	103
25 to 29 years .....	1,132	1,013	89.5	839	174	17.2	119	6	38	21	53
30 to 34 years .....	972	879	90.4	755	124	14.1	93	5	13	25	49
35 to 44 years .....	1,364	1,239	90.8	1,122	117	9.4	125	16	10	35	64
35 to 39 years .....	754	698	92.5	625	72	10.3	56	9	4	13	31
40 to 44 years .....	611	542	88.7	497	45	8.3	69	7	7	23	33
45 to 54 years .....	1,003	848	84.5	764	83	9.8	155	11	4	47	92
45 to 49 years .....	522	437	83.8	386	52	11.8	64	3	4	24	53
50 to 54 years .....	481	410	85.3	379	32	7.7	71	8	-	24	39
55 to 64 years .....	855	502	58.6	446	56	11.2	354	15	1	104	234
55 to 59 years .....	453	317	70.0	283	34	10.7	136	10	-	61	65
60 to 64 years .....	403	185	45.8	182	22	12.0	218	5	1	44	168
65 years and over .....	853	108	12.7	100	8	7.5	745	31	-	72	641
65 to 69 years .....	307	58	18.9	51	7	( <sup>1</sup> )	249	16	-	24	210
70 years and over .....	546	50	9.2	49	2	( <sup>1</sup> )	496	16	-	49	431
<b>Women</b>											
16 years and over .....	10,562	5,648	53.5	4,690	958	17.0	4,914	3,114	878	220	702
16 to 19 years .....	1,121	354	31.6	183	171	48.3	768	93	610	4	60
16 to 17 years .....	539	100	18.6	49	51	51.1	439	21	409	2	7
18 to 19 years .....	582	254	43.6	134	120	47.2	329	72	201	2	53
20 to 24 years .....	1,483	818	55.1	573	244	29.9	665	387	174	10	94
25 to 54 years .....	5,540	3,877	70.0	3,370	507	13.1	1,663	1,352	83	83	167
25 to 34 years .....	2,573	1,867	72.6	1,548	319	17.1	706	566	51	21	69
25 to 29 years .....	1,376	965	71.6	782	203	20.6	391	314	30	8	40
30 to 34 years .....	1,197	882	73.7	768	116	13.1	315	252	21	12	29
35 to 44 years .....	1,703	1,227	72.1	1,117	110	9.0	476	394	30	12	40
35 to 39 years .....	936	695	74.3	622	74	10.6	241	197	13	3	28
40 to 44 years .....	767	532	69.4	495	36	6.8	235	197	18	9	12
45 to 54 years .....	1,264	783	61.9	705	77	9.9	481	392	2	30	58
45 to 49 years .....	653	430	65.9	379	52	12.0	223	183	3	14	23
50 to 54 years .....	611	353	57.7	327	26	7.4	258	209	-	16	35
55 to 64 years .....	1,113	502	45.1	469	33	6.5	611	454	11	64	82
55 to 59 years .....	590	324	54.8	297	27	8.3	267	207	-	35	24
60 to 64 years .....	522	178	34.1	172	6	3.2	344	247	11	28	58
65 years and over .....	1,304	97	7.5	94	3	3.2	1,206	828	-	80	299
65 to 69 years .....	425	61	14.3	58	3	( <sup>1</sup> )	364	257	-	19	88
70 years and over .....	879	37	4.2	36	1	( <sup>1</sup> )	842	571	-	61	211

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Age and sex	December 1983								Not in labor force
	Civilian noninstitutional population	Civilian labor force							
		Total	Percent of population	Employed			Unemployed		
				Total	Agriculture	Nonaggricultural industries	Number	Percent of labor force	
<b>TOTAL</b>									
16 years and over .....	23,637	14,442	61.1	12,174	232	11,942	2,268	15.7	9,195
16 to 19 years .....	2,608	889	34.1	510	11	499	379	42.6	1,718
18 to 17 years .....	1,286	261	20.3	138	1	135	125	47.9	1,025
18 to 19 years .....	1,322	628	47.5	374	10	364	254	40.4	694
20 to 24 years .....	3,388	2,155	64.0	1,583	19	1,564	572	26.5	1,213
25 to 54 years .....	12,804	9,924	77.5	8,737	150	8,588	1,188	12.0	2,880
25 to 34 years .....	8,049	4,709	77.8	3,988	61	3,927	720	15.3	1,341
25 to 29 years .....	3,213	2,479	77.2	2,041	15	2,026	439	17.7	732
30 to 34 years .....	2,637	1,219	43.0	1,948	47	1,901	282	23.1	608
35 to 44 years .....	3,952	3,185	80.8	2,907	47	2,860	278	8.7	767
35 to 39 years .....	2,186	1,763	61.4	1,589	24	1,565	173	9.6	403
40 to 44 years .....	1,786	1,422	79.8	1,318	24	1,295	104	7.3	385
45 to 54 years .....	2,602	2,031	72.5	1,641	42	1,799	189	9.3	772
45 to 49 years .....	1,471	1,104	75.1	985	23	962	119	10.8	367
50 to 54 years .....	1,332	927	69.6	856	20	837	71	7.7	404
55 to 64 years .....	2,357	1,222	51.8	1,106	33	1,073	116	9.5	1,135
55 to 59 years .....	1,239	757	61.1	681	22	659	76	10.0	482
60 to 64 years .....	1,119	465	41.6	428	12	414	40	8.5	653
65 years and over .....	2,499	251	10.1	237	18	220	14	5.6	2,248
65 to 69 years .....	856	146	17.1	137	9	129	10	6.8	710
70 years and over .....	1,643	105	6.4	100	10	92	7	6.7	1,537
<b>Men</b>									
16 years and over .....	10,754	7,531	70.0	6,340	203	6,137	1,190	15.8	3,223
16 to 19 years .....	1,314	470	35.7	275	11	264	195	41.5	844
18 to 17 years .....	655	138	21.1	70	1	70	68	49.2	517
18 to 19 years .....	659	332	50.3	205	10	194	127	36.2	328
20 to 24 years .....	1,560	1,189	74.0	855	12	843	314	26.9	411
25 to 54 years .....	5,807	5,135	88.4	4,532	138	4,393	603	11.7	672
25 to 34 years .....	2,749	2,420	88.0	2,086	53	2,012	354	14.8	329
25 to 29 years .....	1,457	1,271	67.3	1,061	14	1,047	211	16.8	185
30 to 34 years .....	1,292	1,149	88.9	1,005	40	965	144	12.5	144
35 to 44 years .....	1,789	1,827	90.9	1,483	44	1,439	144	8.8	162
35 to 39 years .....	991	904	91.2	617	22	795	86	9.6	87
40 to 44 years .....	798	723	90.8	666	23	644	57	7.9	75
45 to 54 years .....	1,289	1,088	85.7	983	41	942	105	9.8	181
45 to 49 years .....	876	583	66.2	519	23	496	64	10.9	93
50 to 54 years .....	593	505	85.3	464	18	448	41	8.1	67
55 to 64 years .....	1,040	820	59.6	550	27	523	70	11.2	420
55 to 59 years .....	548	383	69.9	342	21	321	41	10.7	165
60 to 64 years .....	493	237	48.2	209	6	202	29	12.0	255
65 years and over .....	1,013	137	13.5	128	14	113	9	8.7	878
65 to 69 years .....	354	74	20.9	67	6	62	7	( <sup>1</sup> )	280
70 years and over .....	659	63	9.5	60	9	52	3	( <sup>1</sup> )	596
<b>Women</b>									
16 years and over .....	12,883	6,912	53.7	5,834	29	5,805	1,076	15.6	5,971
16 to 19 years .....	1,294	420	32.5	235	-	235	185	43.9	874
18 to 17 years .....	631	123	19.6	86	-	86	57	48.5	508
18 to 19 years .....	662	296	44.7	189	-	170	127	42.9	366
20 to 24 years .....	1,786	988	55.1	728	7	721	256	26.1	803
25 to 54 years .....	6,907	4,769	69.4	4,205	12	4,193	585	12.2	2,208
25 to 34 years .....	3,300	2,289	69.3	1,923	8	1,915	366	16.0	1,012
25 to 29 years .....	1,756	1,208	68.8	980	1	979	228	18.9	547
30 to 34 years .....	1,545	1,080	69.9	943	7	936	138	12.7	464
35 to 44 years .....	2,163	1,558	72.0	1,424	3	1,421	134	8.6	805
35 to 39 years .....	1,175	859	73.1	772	2	770	67	10.2	318
40 to 44 years .....	988	899	70.7	652	1	651	47	8.7	290
45 to 54 years .....	1,534	943	61.5	858	1	857	85	9.0	591
45 to 49 years .....	795	521	65.5	486	-	486	55	10.6	274
50 to 54 years .....	739	422	57.1	392	2	391	30	7.0	317
55 to 64 years .....	1,317	602	45.7	558	8	550	48	7.7	715
55 to 59 years .....	891	374	54.2	339	1	338	35	9.4	317
60 to 64 years .....	626	228	36.4	217	5	212	11	4.9	398
65 years and over .....	1,486	115	7.7	110	3	106	5	4.3	1,372
65 to 69 years .....	502	72	14.4	70	3	67	3	( <sup>1</sup> )	430
70 years and over .....	984	42	4.3	40	1	40	2	( <sup>1</sup> )	941

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



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

(Numbers in thousands)

Employment status and race	Total		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	173,199	175,121	74,236	75,433	83,383	84,666	15,580	15,022
Civilian labor force .....	110,477	111,795	58,186	58,915	44,371	45,246	7,920	7,833
Percent of population .....	63.8	63.8	78.4	78.1	53.2	53.4	50.8	50.8
Employed .....	98,849	102,803	52,290	54,452	40,522	42,191	6,037	6,159
Agriculture .....	3,011	2,950	2,240	2,188	514	554	257	209
Nonagricultural industries .....	95,838	99,852	50,049	52,265	40,008	41,637	5,780	5,951
Unemployed .....	11,628	8,992	5,896	4,463	3,849	3,055	1,883	1,474
Unemployment rate .....	10.5	8.0	10.1	7.6	8.7	6.8	23.8	19.3
Not in labor force .....	62,722	63,326	16,050	16,518	39,012	39,419	7,660	7,388
<b>White</b>								
Civilian noninstitutional population .....	150,056	151,484	65,049	65,983	72,110	73,076	12,897	12,414
Civilian labor force .....	96,194	97,352	51,214	51,854	38,004	38,754	6,976	6,744
Percent of population .....	64.1	64.3	78.7	78.6	52.7	53.0	54.1	54.3
Employed .....	87,172	90,628	46,590	48,387	35,078	36,593	5,504	5,649
Agriculture .....	2,761	2,719	2,041	1,996	483	525	237	198
Nonagricultural industries .....	84,411	87,910	44,549	46,391	34,594	36,067	5,268	5,451
Unemployed .....	9,022	6,724	4,624	3,468	2,926	2,162	1,472	1,095
Unemployment rate .....	9.4	6.9	9.0	6.7	7.7	5.6	21.1	16.2
Not in labor force .....	53,862	54,131	13,835	14,139	34,106	34,322	5,921	5,670
<b>Black</b>								
Civilian noninstitutional population .....	18,740	19,086	7,255	7,451	9,224	9,440	2,261	2,185
Civilian labor force .....	11,452	11,561	5,467	5,544	5,214	5,294	771	723
Percent of population .....	61.1	60.6	75.4	74.4	56.5	56.1	34.1	32.9
Employed .....	9,136	9,589	4,340	4,706	4,398	4,507	397	375
Agriculture .....	181	165	141	144	25	15	16	7
Nonagricultural industries .....	8,955	9,424	4,200	4,563	4,373	4,492	382	369
Unemployed .....	2,316	1,973	1,126	838	816	787	373	348
Unemployment rate .....	20.2	17.1	20.6	15.1	15.6	14.9	48.4	48.1
Not in labor force .....	7,289	7,525	1,789	1,907	4,010	4,146	1,490	1,472

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and major activity	December 1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	23,051	11,452	11,599	19,108	9,496	9,612	3,298	1,588	1,710
Civilian labor force .....	13,387	8,985	6,382	11,660	8,058	5,602	1,391	736	655
Percent of population .....	58.0	61.0	55.0	61.0	63.8	58.3	42.2	46.3	38.3
Employed .....	11,113	5,886	5,447	10,043	5,086	4,957	811	423	387
Agriculture .....	343	276	67	319	257	62	11	9	2
Nonagricultural industries .....	10,771	5,390	5,380	9,724	4,829	4,695	600	415	385
Unemployed .....	2,254	1,319	935	1,618	972	646	580	312	268
Looking for full-time work .....	1,364	841	522	916	593	323	406	224	182
Looking for part-time work .....	890	478	412	702	379	322	174	88	86
Percent of labor force .....	16.9	18.9	14.6	13.9	18.0	11.5	41.7	42.4	40.9
Not in labor force .....	9,684	4,487	5,217	7,448	3,438	4,010	1,907	852	1,055
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	12,162	6,202	5,960	10,003	5,100	4,903	1,776	885	891
Civilian labor force .....	4,458	2,220	2,238	4,013	1,994	2,019	349	174	175
Percent of population .....	36.7	35.8	37.6	40.1	39.1	41.2	19.6	19.6	19.6
Employed .....	3,621	1,743	1,878	3,382	1,627	1,756	158	74	84
Agriculture .....	108	94	14	106	92	14	1	1	-
Nonagricultural industries .....	3,513	1,649	1,864	3,277	1,535	1,742	157	73	84
Unemployed .....	837	477	360	630	367	264	191	100	91
Looking for full-time work .....	63	36	27	27	17	10	32	18	14
Looking for part-time work .....	774	441	333	603	350	254	159	82	77
Percent of labor force .....	18.8	21.5	16.1	15.7	18.4	13.1	54.7	57.5	52.1
Not in labor force .....	7,703	3,981	3,722	5,991	3,107	2,884	1,427	711	716
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	10,889	5,250	5,639	9,105	4,395	4,709	1,523	703	820
Civilian labor force .....	8,908	4,765	4,144	7,648	4,064	3,583	1,043	562	481
Percent of population .....	81.8	90.8	73.5	84.0	92.5	76.1	68.5	80.0	58.6
Employed .....	7,492	3,922	3,570	8,661	3,459	3,201	653	349	304
Agriculture .....	234	182	53	213	165	48	10	8	2
Nonagricultural industries .....	7,258	3,741	3,517	6,447	3,294	3,153	643	341	302
Unemployed .....	1,417	842	574	987	605	382	390	213	177
Looking for full-time work .....	1,301	805	495	889	575	314	374	206	168
Looking for part-time work .....	116	37	79	98	30	69	15	6	9
Percent of labor force .....	15.9	17.7	13.9	12.9	14.9	10.7	37.4	37.9	36.8
Not in labor force .....	1,981	485	1,495	1,457	331	1,126	480	141	339

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	Dec. 1982	Dec. 1983	Total		Employed		Unemployed			
			Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Number		Percent of labor force	
							Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
<b>VETERANS</b>										
Total, 25 years and over .....	8,265	7,901	7,752	7,382	6,988	6,868	764	514	9.9	7.0
25 to 39 years .....	6,610	5,712	6,305	5,477	5,641	5,072	664	405	10.5	7.4
25 to 29 years .....	991	590	904	561	748	493	156	68	17.3	12.1
30 to 34 years .....	2,585	1,964	2,460	1,867	2,217	1,707	243	160	9.9	8.6
35 to 39 years .....	3,034	3,158	2,941	3,049	2,676	2,872	265	177	9.0	5.8
40 years and over .....	1,655	2,189	1,447	1,905	1,347	1,796	100	109	6.9	5.7
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	19,140	20,456	18,135	19,275	16,187	17,823	1,948	1,452	10.7	7.5
25 to 29 years .....	8,452	8,802	7,981	8,222	6,938	7,500	1,043	722	13.1	8.8
30 to 34 years .....	6,357	7,042	6,039	6,667	5,501	6,213	538	454	8.9	6.8
35 to 39 years .....	4,331	4,612	4,115	4,386	3,748	4,110	367	276	8.9	6.3

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

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, and race	December 1983								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Total, 16 years and over .....	95,146	81,932	5,765	7,449	7.8	16,649	15,105	1,543	9.3
18 to 19 years .....	3,281	1,935	647	899	21.3	4,352	3,577	775	17.8
16 to 17 years .....	396	181	93	122	30.9	2,442	1,942	500	20.5
18 to 19 years .....	2,885	1,754	555	577	20.0	1,910	1,635	275	14.4
20 years and over .....	91,865	79,997	5,116	6,750	7.3	12,297	11,528	768	6.2
20 to 24 years .....	13,106	10,307	1,182	1,817	12.3	2,607	2,385	222	8.5
25 years and over .....	78,759	69,891	3,936	5,132	6.5	9,689	9,142	547	5.6
25 to 54 years .....	66,679	58,884	3,260	4,534	6.8	6,684	6,267	417	6.2
55 years and over .....	12,081	10,806	876	599	5.0	3,008	2,875	130	4.3
<b>Men, 16 years and over .....</b>	<b>57,524</b>	<b>50,271</b>	<b>2,620</b>	<b>4,633</b>	<b>8.1</b>	<b>5,344</b>	<b>4,668</b>	<b>676</b>	<b>12.7</b>
16 to 19 years .....	1,839	1,106	311	421	22.9	2,114	1,689	425	20.1
20 years and over .....	55,686	49,165	2,309	4,212	7.6	3,230	2,979	251	7.8
20 to 24 years .....	7,319	5,734	577	1,009	13.8	1,071	980	91	8.5
25 years and over .....	48,366	43,431	1,732	3,204	6.8	2,159	1,999	159	7.4
25 to 54 years .....	40,645	36,423	1,413	2,808	6.9	958	870	87	9.1
55 years and over .....	7,721	7,007	319	395	5.1	1,201	1,129	72	6.0
<b>Women, 16 years and over .....</b>	<b>37,822</b>	<b>31,661</b>	<b>3,145</b>	<b>2,816</b>	<b>7.5</b>	<b>11,305</b>	<b>10,438</b>	<b>867</b>	<b>7.7</b>
16 to 19 years .....	1,442	828	336	278	19.3	2,238	1,888	350	15.6
20 years and over .....	36,179	30,832	2,809	2,538	7.0	9,067	8,549	517	5.7
20 to 24 years .....	5,787	4,573	606	609	10.5	1,536	1,405	131	8.5
25 years and over .....	30,392	26,259	2,203	1,929	6.3	7,531	7,144	388	5.2
25 to 54 years .....	26,034	22,481	1,846	1,725	6.6	5,726	5,397	329	5.7
55 years and over .....	4,359	3,788	356	204	4.7	1,804	1,747	58	3.2
<b>White</b>									
<b>Men, 16 years and over .....</b>	<b>50,570</b>	<b>44,765</b>	<b>2,214</b>	<b>3,591</b>	<b>7.1</b>	<b>4,768</b>	<b>4,240</b>	<b>528</b>	<b>11.1</b>
16 to 19 years .....	1,598	1,024	262	312	19.5	1,885	1,546	339	18.0
20 years and over .....	48,972	43,741	1,952	3,279	8.7	2,883	2,694	189	6.8
20 to 24 years .....	8,289	5,076	473	720	11.5	952	886	66	6.9
25 years and over .....	42,702	38,665	1,478	2,559	6.0	1,931	1,808	124	6.4
25 to 54 years .....	35,665	32,234	1,201	2,232	6.3	802	740	62	7.7
55 years and over .....	7,037	6,431	278	327	4.8	1,130	1,068	61	5.4
<b>Women, 16 years and over .....</b>	<b>31,749</b>	<b>27,245</b>	<b>2,585</b>	<b>1,919</b>	<b>6.0</b>	<b>10,266</b>	<b>9,580</b>	<b>685</b>	<b>6.7</b>
16 to 19 years .....	1,231	781	281	169	13.7	2,030	1,756	274	13.5
20 years and over .....	30,518	26,464	2,304	1,750	5.7	8,236	7,825	412	5.0
20 to 24 years .....	4,973	4,086	503	385	7.7	1,364	1,267	96	7.1
25 years and over .....	25,545	22,378	1,801	1,368	5.3	6,872	6,557	316	4.6
25 to 54 years .....	21,718	19,009	1,502	1,207	5.6	5,253	4,990	263	5.0
55 years and over .....	3,827	3,370	299	158	4.1	1,619	1,586	53	3.3
<b>Black</b>									
<b>Men, 18 years and over .....</b>	<b>5,483</b>	<b>4,257</b>	<b>336</b>	<b>890</b>	<b>16.2</b>	<b>430</b>	<b>305</b>	<b>125</b>	<b>29.0</b>
16 to 19 years .....	197	58	40	99	50.4	172	95	77	45.0
20 years and over .....	5,288	4,199	296	791	15.0	258	211	47	18.4
20 to 24 years .....	889	526	89	255	29.4	85	65	20	23.4
25 years and over .....	4,416	3,674	207	536	12.1	172	146	28	16.3
25 to 54 years .....	3,863	3,210	173	481	12.5	115	98	18	15.7
55 years and over .....	553	484	34	55	9.9	57	48	10	( <sup>2</sup> )
<b>Women, 16 years and over .....</b>	<b>4,824</b>	<b>3,544</b>	<b>482</b>	<b>798</b>	<b>16.6</b>	<b>824</b>	<b>685</b>	<b>159</b>	<b>19.4</b>
16 to 19 years .....	183	38	46	99	54.0	171	99	72	42.2
20 years and over .....	4,641	3,506	435	700	15.1	653	566	87	13.4
20 to 24 years .....	891	391	88	212	30.6	127	95	33	25.8
25 years and over .....	3,950	3,115	347	489	11.9	525	471	54	10.3
25 to 54 years .....	3,519	2,770	293	456	13.0	358	307	50	14.0
55 years and over .....	431	345	54	13	3.1	167	164	4	2.4

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Family relationship	December 1983									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over .....	111,795	63.8	102,803	8,992	8.0	63,326	32,535	9,783	2,570	18,438
Husbands .....	39,472	79.1	37,426	2,046	5.2	10,412	162	217	908	9,125
With employed wife .....	22,892	91.7	21,851	1,041	4.5	2,077	56	114	325	1,582
With unemployed wife .....	1,324	91.2	1,071	252	19.1	127	3	2	31	92
With wife not in labor force .....	15,257	85.0	14,504	753	4.9	8,207	103	101	552	7,451
Wives .....	26,419	53.0	24,968	1,451	5.5	23,464	21,037	379	272	1,776
With employed husband .....	22,922	81.2	21,851	1,071	4.7	14,504	13,479	317	71	638
With unemployed husband .....	1,293	63.2	1,041	252	19.5	753	675	17	21	40
With husband not in labor force .....	2,204	21.2	2,077	127	5.8	8,207	6,884	46	180	1,098
Relatives in married-couple families .....	13,409	61.0	11,414	1,994	14.9	6,556	872	6,087	274	1,322
16 to 19 years .....	5,136	51.0	4,267	869	16.9	4,931	118	454	11	262
20 to 24 years .....	5,313	74.3	4,805	707	13.3	1,839	166	1,368	28	255
25 years and over .....	2,960	82.4	2,542	418	14.1	1,786	586	158	235	805
Women who maintain families .....	5,942	60.0	5,299	644	10.6	3,955	3,093	167	134	581
Relatives in families maintained by women .....	5,130	57.7	4,056	1,072	20.9	3,765	894	1,729	242	900
16 to 19 years .....	1,355	45.8	962	393	29.0	1,605	107	1,350	7	141
20 to 24 years .....	1,660	71.4	1,336	324	19.5	666	155	311	19	181
25 years and over .....	2,115	58.6	1,760	355	16.6	1,494	632	68	216	578
Men who maintain families .....	1,923	76.7	1,755	168	8.7	583	34	46	76	424
Relatives in families maintained by men .....	1,645	60.6	1,408	237	14.4	1,069	401	353	57	257
16 to 19 years .....	320	54.5	241	79	24.7	267	10	235	-	2.2
20 to 24 years .....	491	75.1	424	67	13.6	163	43	90	-	29
25 years and over .....	834	56.7	743	91	10.9	639	348	28	57	206
Persons living alone .....	10,622	53.0	9,948	674	6.3	9,417	5,231	225	507	3,454
Men .....	5,704	72.0	5,234	470	8.2	2,217	168	126	21.0	1,713
Women .....	4,918	40.6	4,714	204	4.1	7,200	5,063	99	297	1,741
All others <sup>1</sup> .....	7,233	77.4	6,527	706	9.6	2,105	811	578	98	619

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

**A-10. 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. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total, 16 years and over .....	7,009	5,310	11.3	8.4	4,619	3,683	9.6	7.5
Married, spouse present .....	3,108	2,177	7.7	5.4	2,026	1,575	7.7	5.8
Widowed, divorced, or separated .....	825	686	14.7	11.6	1,012	796	10.7	8.3
Single (never married) .....	3,075	2,446	19.1	14.9	1,580	1,312	12.9	10.6
White, 16 years and over .....	5,500	4,119	10.0	7.4	3,521	2,605	8.5	6.2
Married, spouse present .....	2,644	1,832	7.2	5.0	1,735	1,315	7.4	5.4
Widowed, divorced, or separated .....	620	534	13.4	10.9	724	532	9.5	6.9
Single (never married) .....	2,236	1,753	16.4	12.7	1,062	757	10.4	7.5
Black, 16 years and over .....	1,342	1,015	22.9	17.2	974	958	17.4	17.0
Married, spouse present .....	377	259	12.9	8.9	233	190	11.0	8.9
Widowed, divorced, or separated .....	190	130	21.8	14.6	257	239	15.5	14.6
Single (never married) .....	774	626	37.4	29.8	484	528	26.7	28.1
Total, 25 years and over .....	4,397	3,363	8.8	6.7	2,876	2,316	7.8	6.1
Married, spouse present .....	2,763	1,976	7.3	5.2	1,624	1,293	6.9	5.3
Widowed, divorced, or separated .....	752	642	14.1	11.3	892	701	10.0	7.8
Single (never married) .....	881	745	13.9	11.3	359	324	7.9	7.0
White, 25 years and over .....	3,504	2,682	8.0	6.0	2,217	1,680	7.0	5.2
Married, spouse present .....	2,337	1,665	6.8	4.8	1,380	1,071	6.6	5.0
Widowed, divorced, or separated .....	556	494	12.7	10.6	636	468	8.9	6.4
Single (never married) .....	610	523	11.7	9.6	200	140	5.6	3.9
Black, 25 years and over .....	782	563	17.5	12.3	567	543	13.1	12.1
Married, spouse present .....	346	237	12.6	8.5	191	159	10.1	8.1
Widowed, divorced, or separated .....	182	126	21.7	14.5	230	208	14.5	13.4
Single (never married) .....	253	201	28.1	21.8	146	175	17.5	18.4

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total, 16 years and over .....	11,628	8,992	10.5	8.0	11.3	8.4	9.6	7.5
Managerial and professional specialty .....	814	634	3.3	2.6	( <sup>1</sup> )	2.6	( <sup>1</sup> )	2.5
Executive, administrative, and managerial .....	442	307	4.0	2.7	( <sup>1</sup> )	2.5	( <sup>1</sup> )	3.0
Professional specialty .....	373	327	2.8	2.4	( <sup>1</sup> )	2.6	( <sup>1</sup> )	2.2
Technical, sales, and administrative support .....	2,157	1,767	6.4	5.2	( <sup>1</sup> )	4.2	( <sup>1</sup> )	5.8
Technicians and related support .....	162	106	4.9	3.3	( <sup>1</sup> )	2.9	( <sup>1</sup> )	3.6
Sales occupations .....	782	723	6.2	5.5	( <sup>1</sup> )	4.1	( <sup>1</sup> )	6.9
Administrative support, including clerical .....	1,213	938	6.9	5.4	( <sup>1</sup> )	5.1	( <sup>1</sup> )	5.5
Service occupations .....	1,790	1,512	11.7	9.6	( <sup>1</sup> )	10.1	( <sup>1</sup> )	9.3
Private household .....	84	101	7.3	8.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	8.4
Protective service .....	140	106	8.0	5.9	( <sup>1</sup> )	5.3	( <sup>1</sup> )	10.0
Service, except private household and protective .....	1,566	1,305	12.7	10.2	( <sup>1</sup> )	11.7	( <sup>1</sup> )	9.4
Precision production, craft, and repair .....	1,561	1,165	12.1	8.4	( <sup>1</sup> )	8.5	( <sup>1</sup> )	6.7
Mechanics and repairers .....	366	255	8.7	5.6	( <sup>1</sup> )	5.6	( <sup>1</sup> )	4.9
Construction trades .....	760	615	16.4	12.3	( <sup>1</sup> )	12.3	( <sup>1</sup> )	9.7
Other precision production, craft, and repair .....	435	296	10.6	6.8	( <sup>1</sup> )	6.9	( <sup>1</sup> )	8.7
Operators, fabricators, and laborers .....	3,744	2,467	19.1	13.0	( <sup>1</sup> )	13.0	( <sup>1</sup> )	12.8
Machine operators, assemblers, and inspectors .....	1,745	1,121	19.0	12.4	( <sup>1</sup> )	11.9	( <sup>1</sup> )	13.1
Transportation and material moving occupations .....	737	529	15.5	10.9	( <sup>1</sup> )	11.2	( <sup>1</sup> )	8.1
Handlers, equipment cleaners, helpers, and laborers .....	1,262	817	22.4	15.8	( <sup>1</sup> )	16.3	( <sup>1</sup> )	13.7
Construction laborers .....	243	202	29.4	24.6	( <sup>1</sup> )	23.9	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	1,019	616	21.1	14.2	( <sup>1</sup> )	14.5	( <sup>1</sup> )	12.8
Farming, forestry, and fishing .....	449	420	12.2	12.0	( <sup>1</sup> )	11.9	( <sup>1</sup> )	12.4
No previous work experience .....	1,120	990	-	-	-	-	-	-
16 to 19 years .....	858	678	-	-	-	-	-	-
20 to 24 years .....	158	218	-	-	-	-	-	-
25 years and over .....	103	94	-	-	-	-	-	-

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total, 18 years and over .....	11,828	8,992	10.5	8.0	11.3	8.4	9.8	7.5
Nonagricultural private wage and salary workers .....	9,187	6,780	11.2	8.2	12.2	8.8	10.0	7.5
Mining .....	177	112	16.6	11.4	18.2	12.4	8.2	6.3
Construction .....	1,145	925	22.0	16.8	22.6	17.3	15.3	10.7
Manufacturing .....	3,186	1,849	14.4	8.4	13.5	7.8	16.0	9.8
Durable goods .....	2,152	1,099	16.2	8.5	15.7	8.2	17.6	9.4
Lumber and wood products .....	110	90	16.9	13.4	16.5	12.7	19.0	16.6
Furniture and fixtures .....	82	60	15.1	10.8	12.2	11.1	22.3	10.0
Stone, clay, and glass products .....	93	60	15.3	9.7	14.2	8.5	20.1	13.5
Primary metal industries .....	310	128	29.4	13.3	29.2	12.8	30.8	17.1
Fabricated metal products .....	284	142	18.7	10.5	19.2	10.9	17.1	9.5
Machinery, except electrical .....	403	203	14.3	7.7	14.6	7.7	13.2	7.9
Electrical machinery, equipment, and supplies .....	318	142	12.7	6.0	9.6	3.0	16.7	9.8
Transportation equipment .....	397	187	18.3	7.3	16.6	7.4	24.8	7.0
Automobiles .....	250	100	23.3	7.8	20.3	7.5	35.6	8.8
Other transportation equipment .....	147	87	13.4	6.8	12.9	7.3	15.5	5.2
Professional and photographic equipment .....	67	28	10.0	4.3	9.4	5.0	10.8	3.5
Other durable goods industries .....	109	58	12.8	9.8	8.2	8.0	18.4	12.1
Nondurable goods .....	1,033	751	11.8	8.4	9.6	7.3	14.5	9.9
Food and kindred products .....	258	222	13.3	12.1	11.2	10.0	17.5	16.3
Textile mill products .....	82	49	10.8	6.2	10.1	7.6	11.6	4.7
Apparel and other textile products .....	172	151	14.1	11.5	12.3	13.1	14.6	11.1
Paper and allied products .....	60	30	8.1	4.3	8.9	2.9	11.6	9.1
Printing and publishing .....	128	93	8.0	5.5	7.2	5.8	9.0	5.1
Chemicals and allied products .....	121	78	9.5	8.1	7.8	4.3	13.7	10.3
Rubber and miscellaneous plastics products .....	120	88	16.4	10.8	13.5	9.4	22.0	12.9
Other nondurable goods industries .....	93	43	14.9	7.7	10.5	7.8	21.1	7.0
Transportation and public utilities .....	451	370	7.9	6.4	9.0	7.1	4.8	4.4
Transportation .....	382	291	11.8	7.3	12.6	8.0	8.5	4.7
Communications and other public utilities .....	69	79	2.8	3.1	3.2	3.1	1.9	3.0
Wholesale and retail trade .....	2,222	1,793	10.5	8.3	9.7	8.0	11.3	8.7
Wholesale trade .....	337	271	8.2	6.4	7.6	6.3	9.7	6.8
Retail trade .....	1,885	1,522	11.0	8.8	10.5	8.6	11.5	9.0
Finance, insurance, and real estate .....	282	256	4.7	4.2	5.4	4.1	4.2	4.2
Service industries .....	1,724	1,474	8.5	7.0	9.8	8.1	7.6	6.4
Professional services .....	819	568	5.2	4.8	5.2	4.7	5.2	4.8
Other service industries .....	1,105	906	13.0	10.0	14.0	10.8	12.1	9.1
Agricultural wage and salary workers .....	345	316	21.0	20.2	20.5	19.8	22.6	22.1
Government, self-employed, and unpaid family workers .....	977	905	3.6	3.4	3.9	3.3	3.6	3.6
No previous work experience .....	1,120	990	-	-	-	-	-	-

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Reason for unemployment	Total unemployed		Men, 20 years and over		Women, 20 years and over		Both sexes, 16 to 19 years		White		Black	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	11,628	8,992	5,896	4,463	3,849	3,055	1,883	1,474	9,022	6,724	2,316	1,973
Job losers .....	7,384	5,238	4,783	3,452	2,158	1,490	443	297	5,834	4,051	1,463	1,148
On layoff .....	2,519	1,406	1,706	889	713	451	100	66	2,131	1,184	346	199
Other job losers .....	4,865	3,832	3,077	2,563	1,445	1,039	343	231	3,703	2,867	1,117	949
Job leavers .....	736	766	290	291	332	383	115	92	622	620	21	12
Reentrants .....	2,392	2,005	709	582	1,211	1,013	472	411	1,784	1,412	534	502
New entrants .....	1,115	983	114	139	148	170	854	674	781	642	298	311
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	63.5	58.2	81.1	77.3	56.0	48.8	23.5	20.1	64.7	60.2	63.2	58.2
On layoff .....	21.7	15.6	28.9	19.9	18.5	14.8	5.3	4.5	23.6	17.6	15.0	10.1
Other job losers .....	41.8	42.6	52.2	57.4	37.5	34.0	18.2	15.6	41.1	42.6	48.2	48.1
Job leavers .....	6.3	8.5	4.9	6.5	8.6	12.5	6.1	6.3	6.9	9.2	.9	.6
Reentrants .....	20.6	22.3	12.0	13.0	31.5	33.1	25.0	27.9	19.8	21.0	23.1	25.5
New entrants .....	9.6	10.9	1.9	3.1	3.8	5.6	45.3	45.8	8.7	9.5	12.9	15.7
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	6.7	4.7	8.2	5.8	4.9	3.3	5.6	3.9	6.0	4.1	12.8	9.9
Job leavers .....	.7	.7	.5	.5	.7	.8	1.4	1.2	.6	.6	.2	.1
Reentrants .....	2.2	1.8	1.2	1.0	2.7	2.2	6.0	5.4	1.9	1.5	4.7	4.3
New entrants .....	1.0	.9	.2	.2	.3	.4	10.8	8.8	.8	.7	2.6	2.7

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Percent distribution)

Reason, sex, and age	December 1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	8,992	100.0	35.1	29.3	35.6	13.9	21.7
Job losers .....	5,238	100.0	29.0	29.6	41.4	14.2	27.2
On layoff .....	1,406	100.0	43.4	31.4	25.2	8.6	16.7
Other job losers .....	3,832	100.0	23.7	28.9	47.3	16.3	31.0
Job leavers .....	766	100.0	40.8	33.3	25.9	11.2	14.6
Reentrants .....	2,005	100.0	46.3	26.3	27.3	14.2	13.1
New entrants .....	983	100.0	40.4	30.2	29.4	14.1	15.3
Men, 20 years and over .....	4,463	100.0	28.5	28.6	42.9	13.3	29.8
Job losers .....	3,452	100.0	26.4	29.3	44.3	13.1	31.3
On layoff .....	889	100.0	38.7	31.7	29.6	9.3	20.3
Other job losers .....	2,563	100.0	22.1	28.5	49.5	14.4	35.1
Job leavers .....	291	100.0	34.9	30.8	34.3	11.0	23.4
Reentrants .....	582	100.0	36.8	27.1	36.1	13.7	22.4
New entrants .....	139	100.0	34.0	13.8	52.2	21.0	31.2
Women, 20 years and over .....	3,055	100.0	39.6	28.7	31.7	15.4	16.3
Job losers .....	1,490	100.0	32.6	29.1	38.3	18.7	21.6
On layoff .....	451	100.0	49.0	30.6	20.4	8.4	12.0
Other job losers .....	1,039	100.0	25.4	28.5	46.1	20.4	25.7
Job leavers .....	383	100.0	42.6	33.8	23.6	11.9	11.7
Reentrants .....	1,013	100.0	49.4	25.7	24.9	15.1	9.8
New entrants .....	170	100.0	35.6	31.7	32.7	12.9	19.8
Both sexes, 16 to 19 years .....	1,474	100.0	46.0	32.2	21.8	13.0	8.8
Job losers .....	297	100.0	42.2	35.5	22.2	14.9	7.3
On layoff .....	66	100.0	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Other job losers .....	231	100.0	34.8	36.5	28.7	19.2	9.5
Job leavers .....	92	100.0	52.2	38.9	8.9	8.9	-
Reentrants .....	411	100.0	52.4	26.8	20.9	12.6	8.2
New entrants .....	674	100.0	42.9	33.2	23.9	12.9	10.9

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

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

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
	Total, 16 years and over .....	11,628	8,992	100.0	100.0	9,894	7,449	100.0
Less than 5 weeks .....	3,611	3,159	31.1	35.1	2,820	2,332	28.5	31.3
5 to 14 weeks .....	3,588	2,631	30.9	29.3	3,045	2,162	30.8	29.0
5 to 10 weeks .....	2,355	1,870	20.3	20.8	2,017	1,543	20.4	20.7
11 to 14 weeks .....	1,233	760	10.6	8.5	1,028	620	10.4	8.3
15 weeks and over .....	4,429	3,202	38.1	35.6	4,029	2,954	40.7	39.7
15 to 26 weeks .....	2,026	1,254	17.4	13.9	1,784	1,101	18.0	14.8
27 weeks and over .....	2,403	1,948	20.7	21.7	2,245	1,853	22.7	24.9
27 to 51 weeks .....	1,205	747	10.4	8.3	1,142	703	11.5	9.4
52 weeks and over .....	1,197	1,201	10.3	13.4	1,103	1,150	11.1	15.4
Average (mean) duration, in weeks .....	18.3	19.4	-	-	19.5	21.5	-	-
Median duration, in weeks .....	10.6	9.1	-	-	11.4	10.4	-	-

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

Sex, age, race, and marital status	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	December 1983							Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total, 16 years and over .....	8,992	3,159	2,631	1,254	1,948	19.4	9.1	31.1	35.1	38.1	35.6
16 to 19 years .....	1,474	678	475	192	129	11.1	5.8	41.0	46.0	27.6	21.8
20 to 24 years .....	1,839	715	552	271	301	16.1	8.1	32.3	38.9	36.3	31.1
25 to 34 years .....	2,609	810	793	365	641	21.3	10.3	27.6	31.1	39.1	38.5
35 to 44 years .....	1,387	449	371	201	367	22.8	10.0	28.5	32.4	42.4	40.9
45 to 54 years .....	954	270	277	133	274	23.6	12.0	27.7	28.3	45.3	42.7
55 to 64 years .....	625	207	135	73	210	26.8	12.5	28.7	33.1	43.9	45.2
65 years and over .....	104	31	27	20	26	22.8	12.7	34.6	29.4	38.7	44.3
Men, 16 years and over .....	5,310	1,649	1,555	710	1,396	22.5	10.5	28.3	31.1	40.7	39.7
16 to 19 years .....	847	377	277	117	76	11.5	6.3	40.5	44.5	27.7	22.8
20 to 24 years .....	1,100	374	338	167	221	18.4	9.4	28.3	34.0	38.7	35.3
25 to 34 years .....	1,520	392	466	197	465	25.5	12.4	23.5	25.8	42.9	43.6
35 to 44 years .....	799	226	211	107	255	26.4	11.2	27.3	28.3	45.1	45.3
45 to 54 years .....	576	140	171	73	192	26.6	13.6	25.8	24.3	48.8	46.1
55 to 64 years .....	402	123	73	37	168	31.8	16.4	27.0	30.7	46.2	51.1
65 years and over .....	65	17	19	11	18	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women, 16 years and over .....	3,683	1,510	1,076	545	552	15.0	7.3	35.2	41.0	34.1	29.8
16 to 19 years .....	627	301	199	75	53	10.5	5.4	41.9	48.0	27.5	20.4
20 to 24 years .....	739	341	214	104	80	12.7	5.9	38.5	46.1	32.6	25.0
25 to 34 years .....	1,089	419	327	167	176	15.3	8.0	34.0	38.4	33.0	31.5
35 to 44 years .....	588	222	159	94	111	17.8	8.6	30.0	37.9	38.8	35.0
45 to 54 years .....	378	130	106	60	82	19.1	9.6	30.4	34.3	40.2	37.5
55 to 64 years .....	223	84	62	36	41	17.7	9.3	31.5	37.6	40.2	34.6
65 years and over .....	39	14	9	8	8	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
White, 16 years and over .....	8,724	2,401	1,976	922	1,425	19.0	8.9	31.6	35.7	36.2	34.9
Men .....	4,119	1,333	1,212	527	1,048	21.8	10.1	28.7	32.4	39.3	38.2
Women .....	2,605	1,068	764	395	378	14.7	7.2	36.1	41.0	31.4	29.7
Black, 16 years and over .....	1,973	632	573	293	474	21.3	9.2	29.1	32.0	45.7	38.9
Men .....	1,015	253	294	153	314	26.5	12.1	27.3	25.0	45.7	46.1
Women .....	958	379	279	140	160	15.8	7.0	31.5	39.5	45.8	31.3
Men, 16 years and over:											
Married, spouse present .....	2,177	635	597	262	683	25.3	12.0	27.6	29.2	42.2	43.4
Widowed, divorced, or separated .....	686	182	179	100	225	26.2	13.2	22.9	26.5	47.6	47.4
Single (never married) .....	2,446	832	779	348	488	19.0	9.2	30.6	34.0	37.4	34.2
Women, 16 years and over:											
Married, spouse present .....	1,575	629	476	217	254	15.1	7.6	33.9	39.9	34.2	29.9
Widowed, divorced, or separated .....	796	321	189	144	143	17.3	8.6	35.1	40.3	33.2	36.0
Single (never married) .....	1,312	561	412	184	156	13.4	6.5	36.9	42.7	34.5	25.9

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Occupation and industry	Thousands of persons					Weeks		Percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over	Average (mean) duration	Median duration	Unemployed less than 5 weeks		Unemployed 15 weeks and over	
	December 1983							Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
<b>OCCUPATION</b>											
Managerial and professional specialty .....	634	188	169	116	161	21.2	12.8	20.9	29.6	42.1	43.7
Technical, sales, and administrative support .....	1,787	633	544	283	307	16.4	8.8	29.7	35.8	36.8	33.4
Service occupations .....	1,512	541	463	234	273	17.3	9.2	34.4	35.8	34.9	33.6
Precision production, craft, and repair .....	1,165	343	370	131	321	22.9	10.0	28.5	29.4	41.6	38.8
Operators, fabricators, and laborers .....	2,467	858	628	302	879	23.3	9.8	29.8	34.8	41.0	39.7
Farming, forestry, and fishing .....	420	184	143	39	54	14.0	6.1	42.9	43.8	23.9	22.1
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	316	142	106	35	33	13.1	5.8	53.6	45.1	18.9	21.5
Construction .....	979	340	338	118	182	17.3	7.7	33.0	34.7	34.7	30.7
Manufacturing .....	1,858	580	448	232	598	25.9	12.1	27.4	31.2	44.8	44.7
Durable goods .....	1,104	302	252	128	422	29.8	14.9	23.9	27.3	49.8	49.8
Nondurable goods .....	754	278	196	104	177	20.2	9.1	34.6	36.8	34.5	37.2
Transportation and public utilities .....	412	122	103	85	123	25.7	13.2	33.4	29.5	39.4	45.5
Wholesale and retail trade .....	1,813	648	560	260	348	17.9	8.9	30.4	35.6	35.8	33.5
Finance and service industries .....	2,064	748	618	316	382	17.3	9.2	29.3	36.2	37.4	33.8
Public administration .....	258	73	91	56	38	17.1	10.3	20.1	28.5	44.6	36.4
No previous work experience .....	990	404	297	138	151	15.8	6.8	39.4	40.8	33.8	29.2

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

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

Sex, age, and race	December 1983								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
<b>Total, 16 years and over</b> .....	8,992	7,479	25.8	5.1	79.3	32.5	18.2	4.8	1.66
16 to 19 years .....	1,474	1,388	13.7	2.9	86.1	22.1	14.4	4.0	1.43
20 to 24 years .....	1,839	1,598	29.5	4.6	79.3	32.1	17.0	3.9	1.67
25 to 34 years .....	2,609	2,098	29.7	5.9	76.7	37.5	20.2	4.6	1.75
35 to 44 years .....	1,387	1,108	28.8	6.5	78.9	39.4	18.1	5.6	1.77
45 to 54 years .....	954	720	30.3	7.4	75.7	31.1	22.5	5.1	1.72
55 to 64 years .....	625	491	19.1	4.3	77.4	28.9	15.1	7.1	1.52
65 years and over .....	104	77	18.5	2.6	79.2	29.9	36.4	6.5	1.74
<b>Men, 16 years and over</b> .....	5,310	4,314	28.6	5.0	80.5	31.0	20.8	5.5	1.71
16 to 19 years .....	847	788	13.1	2.9	87.9	19.8	17.3	2.9	1.44
20 to 24 years .....	1,100	935	32.3	4.6	80.3	29.6	19.6	4.0	1.70
25 to 34 years .....	1,520	1,171	35.8	5.8	77.7	36.1	22.9	6.0	1.84
35 to 44 years .....	799	623	33.5	5.5	79.9	38.8	20.5	7.1	1.85
45 to 54 years .....	576	428	33.4	7.2	78.0	30.8	25.7	6.8	1.82
55 to 64 years .....	402	317	15.8	4.4	77.9	29.3	17.0	8.8	1.53
65 years and over .....	65	51	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Women, 16 years and over</b> .....	3,683	3,165	22.1	5.4	77.7	34.6	14.6	3.8	1.58
16 to 19 years .....	627	600	14.5	2.7	83.7	25.2	10.7	5.5	1.42
20 to 24 years .....	739	663	25.8	4.7	77.8	35.6	13.4	4.1	1.61
25 to 34 years .....	1,089	927	22.0	6.0	75.5	39.2	16.8	2.8	1.62
35 to 44 years .....	588	485	22.7	7.8	77.5	40.0	14.8	3.7	1.67
45 to 54 years .....	378	291	25.4	7.6	72.5	31.6	17.9	2.7	1.58
55 to 64 years .....	223	174	25.3	4.0	76.4	28.2	12.1	4.0	1.50
65 years and over .....	39	26	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>White, 16 years and over</b> .....	6,724	5,454	24.7	5.1	78.9	34.2	18.3	5.0	1.66
Men .....	4,119	3,264	28.1	4.7	80.8	32.6	20.6	5.9	1.73
Women .....	2,605	2,190	19.6	5.6	76.1	36.4	14.8	3.7	1.56
<b>Black, 16 years and over</b> .....	1,973	1,764	29.0	5.4	80.7	17.6	28.1	3.7	1.65
Men .....	1,015	897	29.5	6.2	80.3	21.1	25.5	3.7	1.66
Women .....	958	667	28.4	4.6	81.1	14.0	30.8	3.8	1.63

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

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days

are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Sex and reason	December 1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers					Other	
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives		
Total, 16 years and over .....	8,992	7,479	25.8	5.1	79.3	32.5	18.2	4.8	1.66
Job losers <sup>1</sup> .....	5,238	3,833	30.9	5.5	79.9	35.2	22.0	4.2	1.78
Job leavers .....	766	775	30.3	5.0	80.9	36.0	12.5	2.7	1.67
Reentrants .....	2,005	1,893	19.1	5.2	75.0	32.3	14.5	6.0	1.52
New entrants .....	983	977	15.4	3.7	84.2	19.7	14.9	6.0	1.44
Men, 16 years and over .....	5,310	4,314	28.6	5.0	80.5	31.0	20.8	5.5	1.71
Job losers <sup>1</sup> .....	3,664	2,721	32.3	5.1	80.3	33.5	23.0	5.3	1.79
Job leavers .....	338	337	31.2	3.6	86.4	33.5	17.8	2.4	1.75
Reentrants .....	799	750	24.4	6.4	75.2	28.4	17.2	7.1	1.59
New entrants .....	508	505	12.7	3.4	85.7	19.8	16.4	6.3	1.44
Women, 16 years and over .....	3,683	3,165	22.1	5.4	77.7	34.6	14.6	3.8	1.58
Job losers <sup>1</sup> .....	1,574	1,113	27.2	6.6	78.9	39.2	19.7	1.7	1.73
Job leavers .....	428	437	29.7	5.9	76.9	38.2	8.5	3.0	1.82
Reentrants .....	1,206	1,144	15.8	4.6	74.7	35.0	12.5	5.2	1.48
New entrants .....	475	471	18.3	3.8	82.8	19.3	13.4	5.7	1.43

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

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

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

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

(In thousands)

Industry and age	Total		Men		Women	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
All industries .....	98,849	102,803	55,280	57,559	43,570	45,244
16 to 19 years .....	6,037	6,159	2,990	3,107	3,048	3,053
16 to 17 years .....	2,203	2,215	1,078	1,078	1,125	1,137
18 to 19 years .....	3,834	3,944	1,912	2,029	1,923	1,915
20 to 24 years .....	13,480	13,874	6,989	7,291	6,491	6,584
25 to 54 years .....	65,097	68,412	36,863	38,707	28,234	29,705
25 to 34 years .....	28,238	29,637	15,829	16,678	12,409	12,959
35 to 44 years .....	21,147	22,866	11,932	12,893	9,215	9,973
45 to 54 years .....	15,712	15,908	9,103	9,136	6,610	6,773
55 to 64 years .....	11,357	11,479	6,699	6,754	4,658	4,725
55 to 59 years .....	6,814	6,975	4,008	4,097	2,806	2,878
60 to 64 years .....	4,543	4,505	2,691	2,657	1,852	1,848
65 years and over .....	2,878	2,878	1,738	1,701	1,140	1,177
Agriculture .....	3,011	2,950	2,451	2,363	561	587
16 to 19 years .....	257	209	210	175	47	33
16 to 17 years .....	125	85	109	71	15	13
18 to 19 years .....	133	124	101	104	32	20
20 to 24 years .....	399	335	334	267	65	68
25 to 54 years .....	1,661	1,691	1,300	1,335	362	356
25 to 34 years .....	692	684	548	558	145	126
35 to 44 years .....	514	586	401	456	114	129
45 to 54 years .....	455	421	351	320	103	101
55 to 64 years .....	427	457	359	362	67	94
55 to 59 years .....	242	238	199	192	42	46
60 to 64 years .....	185	218	160	170	25	48
65 years and over .....	267	259	247	224	20	35
Nonagricultural industries .....	95,838	99,852	52,829	55,196	43,009	44,656
16 to 19 years .....	5,780	5,951	2,780	2,931	3,001	3,019
16 to 17 years .....	2,078	2,131	969	1,006	1,110	1,124
18 to 19 years .....	3,702	3,820	1,811	1,925	1,891	1,895
20 to 24 years .....	13,080	13,540	6,655	7,024	6,426	6,516
25 to 54 years .....	63,436	66,722	35,564	37,372	27,872	29,349
25 to 34 years .....	27,546	28,953	15,281	16,120	12,264	12,834
35 to 44 years .....	20,633	22,280	11,531	12,437	9,102	9,844
45 to 54 years .....	15,258	15,487	8,751	8,816	6,506	6,672
55 to 64 years .....	10,931	11,023	6,340	6,392	4,591	4,631
55 to 59 years .....	6,572	6,736	3,808	3,905	2,764	2,832
60 to 64 years .....	4,358	4,286	2,532	2,487	1,827	1,799
65 years and over .....	2,611	2,618	1,491	1,477	1,120	1,141

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Occupation	Total		Men				Women			
	16 years and over		16 years and over		20 years and over		16 years and over		20 years and over	
	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total .....	98,849	102,803	55,280	57,559	52,290	54,452	43,570	45,244	40,522	42,191
Managerial and professional specialty .....	23,618	24,185	13,867	14,098	13,801	14,012	9,751	10,087	9,646	9,992
Executive, administrative, and managerial .....	10,693	11,094	7,254	7,350	7,217	7,332	3,439	3,744	3,395	3,710
Officials and administrators, public administration .....	( <sup>1</sup> )	461	( <sup>1</sup> )	306	( <sup>1</sup> )	306	( <sup>1</sup> )	155	( <sup>1</sup> )	155
Other executive, administrative, and managerial .....	( <sup>1</sup> )	7,553	( <sup>1</sup> )	5,249	( <sup>1</sup> )	5,234	( <sup>1</sup> )	2,304	( <sup>1</sup> )	2,280
Management-related occupations .....	( <sup>1</sup> )	3,081	( <sup>1</sup> )	1,796	( <sup>1</sup> )	1,792	( <sup>1</sup> )	1,285	( <sup>1</sup> )	1,275
Professional specialty .....	12,924	13,091	6,613	6,748	6,584	6,680	6,312	6,343	6,250	6,283
Engineers .....	1,447	1,553	1,336	1,455	1,336	1,453	111	98	111	96
Mathematical and computer scientists .....	534	511	381	373	380	373	154	138	154	138
Natural scientists .....	357	341	288	269	288	268	69	72	68	72
Health diagnosing occupations .....	747	704	639	596	639	595	108	108	108	108
Health assessment and treating occupations .....	1,839	1,862	272	259	268	257	1,567	1,603	1,557	1,600
Teachers, college and university .....	630	648	404	406	401	405	226	242	220	236
Teachers, except college and university .....	3,630	3,575	1,075	1,058	1,070	1,045	2,555	2,517	2,540	2,491
Lawyers and judges .....	602	636	523	545	523	545	79	91	79	91
Other professional specialty occupations .....	3,138	3,262	1,695	1,787	1,677	1,740	1,443	1,475	1,414	1,450
Technical, sales, and administrative support .....	31,302	32,038	11,192	11,500	10,697	10,922	20,110	20,538	18,486	18,975
Technicians and related support .....	3,127	3,124	1,710	1,808	1,686	1,592	1,417	1,516	1,397	1,496
Health technologists and technicians .....	1,093	1,094	199	163	198	158	894	931	884	910
Engineering and science technicians .....	1,191	1,081	941	839	925	831	251	242	247	240
Technicians, except health, engineering, and science .....	843	950	570	605	563	602	272	344	267	346
Sales occupations .....	11,868	12,507	6,326	6,454	6,037	6,068	5,541	6,052	4,626	5,159
Supervisors and proprietors .....	2,891	3,030	2,263	2,179	2,258	2,162	629	851	613	833
Sales representatives, finance and business services .....	1,839	1,995	1,165	1,260	1,154	1,251	675	734	663	721
Sales representatives, commodities, except retail .....	1,493	1,435	1,260	1,188	1,253	1,173	233	246	222	239
Sales workers, retail and personal services .....	5,618	5,980	1,627	1,801	1,359	1,459	3,992	4,179	3,114	3,329
Sales-related occupations .....	26	67	12	26	12	23	14	41	14	37
Administrative support, including clerical .....	16,308	16,407	3,156	3,437	2,974	3,262	13,152	12,970	12,462	12,319
Supervisors .....	( <sup>1</sup> )	657	( <sup>1</sup> )	292	( <sup>1</sup> )	290	( <sup>1</sup> )	365	( <sup>1</sup> )	362
Computer equipment operators .....	588	696	203	259	195	258	385	437	366	411
Secretaries, stenographers, and typists .....	4,899	4,805	77	108	77	97	4,822	4,697	4,575	4,493
Financial records processing .....	2,398	2,266	241	274	235	273	2,157	1,992	2,107	1,939
Mail and message distributing .....	799	861	533	597	501	575	266	264	253	254
Other administrative support, including clerical .....	( <sup>1</sup> )	7,123	( <sup>1</sup> )	1,907	( <sup>1</sup> )	1,770	( <sup>1</sup> )	5,216	( <sup>1</sup> )	4,860
Service occupations .....	13,443	14,170	5,337	5,564	4,470	4,666	8,106	8,606	7,063	7,511
Private household .....	1,068	1,030	20	55	14	29	1,048	974	821	736
Protective service .....	1,617	1,692	1,425	1,489	1,395	1,461	192	202	183	188
Service, except private household and protective .....	10,758	11,449	3,892	4,019	3,062	3,176	6,867	7,430	6,059	6,586
Food service .....	4,772	5,053	1,718	1,814	1,125	1,196	3,053	3,239	2,504	2,602
Health service .....	1,691	1,772	181	186	161	180	1,510	1,586	1,394	1,500
Cleaning and building service .....	2,594	2,733	1,615	1,671	1,441	1,486	979	1,061	913	1,008
Personal service .....	1,701	1,891	377	348	334	314	1,324	1,542	1,249	1,476
Precision production, craft, and repair .....	11,373	12,741	10,554	11,602	10,271	11,289	819	1,139	798	1,099
Mechanics and repairers .....	3,831	4,305	3,694	4,177	3,564	4,090	137	128	132	129
Construction trades .....	3,877	4,400	3,757	4,318	3,654	4,155	119	82	112	77
Other precision production, craft, and repair .....	3,664	4,036	3,102	3,107	3,053	3,045	563	929	554	892
Operators, fabricators, and laborers .....	15,845	16,576	11,591	12,202	10,569	11,175	4,254	4,374	4,056	4,153
Machine operators, assemblers, and inspectors .....	7,437	7,917	4,362	4,651	4,188	4,463	3,075	3,266	2,980	3,157
Manufacturing industries .....	6,222	6,629	3,569	3,834	3,452	3,707	2,653	2,796	2,575	2,714
Durable goods .....	3,435	3,621	2,236	2,499	2,156	2,431	1,199	1,123	1,170	1,085
Nondurable goods .....	2,787	3,008	1,333	1,335	1,296	1,275	1,454	1,673	1,405	1,629
Nonmanufacturing industries .....	1,215	1,287	794	817	736	756	422	470	405	443
Transportation and material moving occupations .....	4,023	4,313	3,697	3,953	3,543	3,827	327	360	314	345
Motor vehicle operators .....	2,917	3,107	2,635	2,806	2,503	2,710	282	300	270	287
Other transportation and material moving occupations .....	1,106	1,207	1,062	1,147	1,040	1,118	44	60	45	58
Handlers, equipment cleaners, helpers, and laborers .....	4,384	4,346	3,532	3,598	2,839	2,985	852	748	762	652
Construction laborers .....	584	619	563	607	480	563	21	12	19	12
Other handlers, equipment cleaners, helpers, and laborers .....	3,801	3,727	2,969	2,991	2,360	2,323	830	737	743	641
Farming, forestry, and fishing .....	3,230	3,092	2,732	2,593	2,473	2,388	499	499	445	461
Farm operators and managers .....	1,408	1,408	1,236	1,201	1,225	1,188	172	207	170	203
Other farming, forestry, and fishing occupations .....	1,821	1,684	1,496	1,392	1,248	1,200	326	291	275	258

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



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

(Percent distribution)

Occupation and race	Total		Men		Women	
	December 1982	December 1983	December 1982	December 1983	December 1982	December 1983
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	98,849	102,803	55,280	57,559	43,570	45,244
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.9	23.5	25.1	24.5	22.4	22.3
Executive, administrative, and managerial .....	10.8	10.8	13.1	12.8	7.9	8.3
Professional specialty .....	13.1	12.7	12.0	11.7	14.5	14.0
Technical, sales, and administrative support .....	31.7	31.2	20.2	20.0	46.2	45.4
Technicians and related support .....	3.2	3.0	3.1	2.8	3.3	3.4
Sales occupations .....	12.0	12.2	11.4	11.2	12.7	13.4
Administrative support, including clerical .....	16.5	16.0	5.7	6.0	30.2	28.7
Service occupations .....	13.6	13.8	9.7	9.7	18.6	19.0
Private household .....	1.1	1.0	( <sup>1</sup> )	.1	2.4	2.2
Protective service .....	1.6	1.6	2.6	2.6	.4	.4
Service, except private household and protective .....	10.9	11.1	7.0	7.0	15.8	16.4
Precision production, craft, and repair .....	11.5	12.4	19.1	20.2	1.9	2.5
Operators, fabricators, and laborers .....	16.0	16.1	21.0	21.2	9.8	9.7
Machine operators, assemblers, and inspectors .....	7.5	7.7	7.9	8.1	7.1	7.2
Transportation and material moving occupations .....	4.1	4.2	6.7	6.9	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.4	4.2	6.4	6.3	2.0	1.7
Farming, forestry, and fishing .....	3.3	3.0	4.9	4.5	1.1	1.1
<b>White</b>						
Total, 16 years and over (thousands) .....	87,172	90,628	49,327	51,219	37,845	39,410
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.9	24.5	26.2	25.6	23.1	23.0
Executive, administrative, and managerial .....	11.5	11.4	13.9	13.5	8.3	8.7
Professional specialty .....	13.4	13.1	12.3	12.1	14.8	14.4
Technical, sales, and administrative support .....	32.3	31.8	20.7	20.4	47.5	46.8
Technicians and related support .....	3.2	3.0	3.1	2.8	3.3	3.3
Sales occupations .....	12.6	12.8	12.1	11.9	13.4	14.1
Administrative support, including clerical .....	16.5	16.0	5.5	5.6	30.8	29.4
Service occupations .....	12.3	12.5	8.7	8.7	17.1	17.5
Private household .....	.9	.8	( <sup>1</sup> )	.1	1.9	1.7
Protective service .....	1.6	1.5	2.5	2.4	.4	.4
Service, except private household and protective .....	9.9	10.2	6.2	6.2	14.7	15.4
Precision production, craft, and repair .....	11.9	12.8	19.5	20.7	1.9	2.5
Operators, fabricators, and laborers .....	15.3	15.3	19.9	20.1	9.1	9.0
Machine operators, assemblers, and inspectors .....	7.1	7.3	7.6	7.7	6.5	6.6
Transportation and material moving occupations .....	4.0	4.1	6.5	6.6	.8	.8
Handlers, equipment cleaners, helpers, and laborers .....	4.2	4.0	5.9	5.8	1.9	1.6
Farming, forestry, and fishing .....	3.3	3.1	4.9	4.6	1.2	1.2
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,136	9,589	4,521	4,899	4,615	4,690
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	( <sup>2</sup> )	14.2	( <sup>2</sup> )	12.6	( <sup>2</sup> )	15.9
Executive, administrative, and managerial .....	( <sup>2</sup> )	5.5	( <sup>2</sup> )	5.7	( <sup>2</sup> )	5.4
Professional specialty .....	( <sup>2</sup> )	8.7	( <sup>2</sup> )	6.9	( <sup>2</sup> )	10.5
Technical, sales, and administrative support .....	( <sup>2</sup> )	25.6	( <sup>2</sup> )	15.7	( <sup>2</sup> )	36.0
Technicians and related support .....	( <sup>2</sup> )	2.9	( <sup>2</sup> )	1.8	( <sup>2</sup> )	4.0
Sales occupations .....	( <sup>2</sup> )	6.2	( <sup>2</sup> )	4.7	( <sup>2</sup> )	7.8
Administrative support, including clerical .....	( <sup>2</sup> )	16.6	( <sup>2</sup> )	9.2	( <sup>2</sup> )	24.3
Service occupations .....	( <sup>2</sup> )	24.5	( <sup>2</sup> )	18.2	( <sup>2</sup> )	31.2
Private household .....	( <sup>2</sup> )	3.0	( <sup>2</sup> )	.2	( <sup>2</sup> )	5.9
Protective service .....	( <sup>2</sup> )	2.7	( <sup>2</sup> )	4.5	( <sup>2</sup> )	.8
Service, except private household and protective .....	( <sup>2</sup> )	18.9	( <sup>2</sup> )	13.5	( <sup>2</sup> )	24.5
Precision production, craft, and repair .....	( <sup>2</sup> )	9.4	( <sup>2</sup> )	16.0	( <sup>2</sup> )	2.5
Operators, fabricators, and laborers .....	( <sup>2</sup> )	24.0	( <sup>2</sup> )	33.5	( <sup>2</sup> )	14.1
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	11.8	( <sup>2</sup> )	12.0	( <sup>2</sup> )	11.6
Transportation and material moving occupations .....	( <sup>2</sup> )	6.0	( <sup>2</sup> )	10.7	( <sup>2</sup> )	1.0
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	6.2	( <sup>2</sup> )	10.8	( <sup>2</sup> )	1.4
Farming, forestry, and fishing .....	( <sup>2</sup> )	2.2	( <sup>2</sup> )	4.0	( <sup>2</sup> )	.4

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

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

standards for publication.

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Age and sex	December 1983								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
<b>Total, 16 years and over</b> .....	91,754	1,230	15,688	74,836	7,681	417	1,248	1,504	199
16 to 19 years .....	5,793	307	308	5,178	129	29	144	23	41
16 to 17 years .....	2,066	211	59	1,796	59	5	58	8	19
18 to 19 years .....	3,726	95	249	3,382	70	24	87	16	22
20 to 24 years .....	13,166	144	1,188	11,834	359	14	237	72	26
25 to 34 years .....	26,895	144	4,487	22,264	1,977	81	372	283	29
35 to 44 years .....	20,227	152	4,331	15,744	1,930	123	227	328	31
45 to 54 years .....	13,852	159	2,995	10,698	1,550	85	124	271	26
55 to 64 years .....	9,753	194	2,053	7,506	1,210	60	106	320	31
55 to 59 years .....	6,014	92	1,329	4,593	690	32	62	161	15
60 to 64 years .....	3,739	101	724	2,913	519	28	44	159	15
65 years and over .....	2,067	130	325	1,612	526	25	39	205	15
<b>Men, 16 years and over</b> .....	49,965	160	7,614	42,191	5,179	53	1,020	1,271	72
16 to 19 years .....	2,821	60	116	2,645	85	25	117	20	38
16 to 17 years .....	962	40	22	901	40	5	44	8	19
18 to 19 years .....	1,859	21	94	1,744	46	20	73	12	19
20 to 24 years .....	6,756	22	536	6,198	263	4	188	61	18
25 to 34 years .....	14,808	22	2,069	12,716	1,306	6	305	243	10
35 to 44 years .....	11,137	11	2,137	8,988	1,296	4	190	266	-
45 to 54 years .....	7,798	13	1,545	6,241	1,014	3	100	218	2
55 to 64 years .....	5,539	11	1,041	4,487	646	6	85	277	-
55 to 59 years .....	3,440	7	659	2,774	464	1	51	141	-
60 to 64 years .....	2,099	4	382	1,713	382	5	34	136	-
65 years and over .....	1,106	19	171	915	368	4	35	186	3
<b>Women, 16 years and over</b> .....	41,790	1,070	8,074	32,645	2,503	364	227	233	127
16 to 19 years .....	2,971	246	192	2,533	44	4	27	3	3
16 to 17 years .....	1,104	172	37	895	19	1	13	-	-
18 to 19 years .....	1,867	75	155	1,638	24	3	14	3	3
20 to 24 years .....	6,411	122	652	5,636	96	9	49	11	8
25 to 34 years .....	12,087	122	2,418	9,548	670	76	67	40	18
35 to 44 years .....	9,091	141	2,194	6,755	634	119	36	62	31
45 to 54 years .....	6,054	146	1,451	4,457	536	81	24	54	24
55 to 64 years .....	4,214	182	1,012	3,019	364	53	20	43	31
55 to 59 years .....	2,574	85	670	1,819	227	31	11	20	15
60 to 64 years .....	1,640	97	342	1,200	137	22	10	23	16
65 years and over .....	961	111	154	696	158	22	4	19	12

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(In thousands)

Industry	December 1983												
	Total employed	Managerial and professional specialty		Technical, sales, and administrative support			Service occupations		Precision production, craft, and repair	Operators, fabricators, and laborers			Farming, forestry, and fishing
		Executive, administrative, and managerial	Professional specialty	Technicians and related support	Sales	Administrative support, including clerical	Private household	Other service <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
Agriculture .....	2,950	40	43	18	25	89	-	14	40	12	35	21	2,613
Mining .....	889	149	91	42	12	105	-	14	264	29	133	49	2
Construction .....	6,328	722	134	52	62	390	-	30	3,710	79	444	691	14
Manufacturing .....	20,598	2,062	1,594	787	745	2,535	-	367	3,948	6,629	814	1,029	88
Durable goods .....	12,186	1,212	1,096	539	300	1,445	-	192	2,732	3,621	428	534	86
Nondurable goods .....	8,412	850	497	248	445	1,090	-	175	1,215	3,008	386	495	2
Transportation and public utilities .....	7,120	700	424	209	259	1,889	-	197	1,298	120	1,549	455	20
Wholesale and retail trade .....	21,952	1,677	404	68	9,115	2,194	-	4,140	1,439	327	880	1,689	21
Wholesale trade .....	4,279	474	83	34	1,642	806	-	40	315	150	467	255	13
Retail trade .....	17,673	1,203	321	34	7,472	1,388	-	4,100	1,124	176	413	1,433	8
Finance, insurance, and real estate .....	6,663	1,600	134	110	1,616	2,739	-	245	128	14	14	28	36
Services .....	31,713	3,195	9,661	1,639	653	5,208	1,030	6,979	1,680	650	416	330	271
Private households .....	1,244	5	25	15	-	13	1,030	54	-	-	6	47	51
Other service industries .....	30,469	3,190	9,636	1,624	653	5,196	-	6,925	1,681	650	411	282	220
Professional services .....	20,998	1,815	8,779	1,382	118	3,764	-	4,214	374	157	256	88	52
Public administration .....	4,589	948	607	198	21	1,258	-	1,154	234	57	30	54	28

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

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

(In thousands)

Reason not working and sex	All industries		Nonagricultural industries					
	Dec. 1982	Dec. 1983	Total		Wage and salary workers <sup>1</sup>			
			Dec. 1982	Dec. 1983	Paid absences		Unpaid absences	
	Dec. 1982	Dec. 1983			Dec. 1982	Dec. 1983	Dec. 1982	Dec. 1983
Total, 16 years and over .....	3,633	3,419	3,461	3,250	1,493	1,360	1,410	1,366
Vacation .....	1,171	1,058	1,146	1,041	776	728	245	197
Illness .....	1,268	1,219	1,234	1,184	506	457	608	634
Bad weather .....	184	180	121	113	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	41	43	41	43	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons .....	969	920	919	868	212	175	556	535
Men, 16 years and over .....	2,061	1,945	1,905	1,808	878	834	668	652
Vacation .....	734	644	713	631	516	488	119	84
Illness .....	690	713	657	687	285	279	301	364
All other reasons <sup>3</sup> .....	636	588	535	490	78	67	248	204
Women, 16 years and over .....	1,572	1,474	1,556	1,442	616	526	742	715
Vacation .....	437	414	432	411	260	240	126	114
Illness .....	578	506	577	497	222	178	307	270
All other reasons <sup>3</sup> .....	558	555	546	534	134	108	309	331

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

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

Hours of work	December 1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	99,383	2,780	96,603	100.0	100.0	100.0
1 to 34 hours .....	24,727	971	23,754	24.9	34.9	24.6
1 to 4 hours .....	880	57	823	.9	2.1	.9
5 to 14 hours .....	4,595	207	4,387	4.6	7.4	4.5
15 to 29 hours .....	12,494	469	12,025	12.6	16.9	12.4
30 to 34 hours .....	8,758	238	8,519	6.8	8.6	6.7
35 hours and over .....	74,658	1,808	72,848	75.1	65.1	75.4
35 to 39 hours .....	7,111	188	6,923	7.2	8.8	7.2
40 hours .....	41,350	552	40,797	41.6	19.9	42.2
41 hours and over .....	26,197	1,068	25,128	26.4	38.4	26.0
41 to 48 hours .....	9,923	198	9,725	10.0	7.1	10.1
49 to 59 hours .....	9,644	382	9,262	9.7	13.0	9.6
60 hours and over .....	6,630	508	6,121	6.7	18.3	6.3
Average hours, total at work .....	38.5	40.2	38.4	-	-	-
Average hours, workers on full-time schedules .....	43.2	47.5	43.1	-	-	-

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

(Numbers in thousands)

Reason for working less than 35 hours	December 1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over .....	24,727	6,514	18,212	23,754	6,138	17,617
Economic reasons .....	5,785	1,775	3,990	5,534	1,674	3,860
Slack work .....	2,570	1,533	1,037	2,392	1,430	962
Material shortages or repairs to plant and equipment .....	42	42	-	42	42	-
New job started during week .....	128	128	-	128	128	-
Job terminated during week .....	72	72	-	71	71	-
Could find only part-time work .....	2,953	-	2,953	2,899	-	2,899
Other reasons .....	18,962	4,739	14,223	18,221	4,464	13,757
Does not want, or unavailable for, full-time work .....	11,954	-	11,954	11,626	-	11,626
Vacation .....	1,040	1,040	-	1,031	1,031	-
Illness .....	1,684	1,545	139	1,645	1,522	123
Bad weather .....	572	572	-	490	490	-
Industrial dispute .....	9	9	-	9	9	-
Legal or religious holiday .....	85	85	-	84	84	-
Full time for this job .....	1,596	-	1,596	1,555	-	1,555
All other reasons .....	2,022	1,488	534	1,761	1,328	453
Average hours:						
Economic reasons .....	21.7	24.3	20.5	21.8	24.5	20.6
Other reasons .....	20.7	26.3	18.8	20.7	26.5	18.8
Worked 30 to 34 hours:						
Economic reasons .....	1,732	817	915	1,673	775	898
Other reasons .....	5,026	2,580	2,446	4,846	2,468	2,378

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Industry	December 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	96,603	5,534	13,757	77,312	52,184	9,725	15,403	38.4	43.1
Wage and salary workers .....	88,994	4,817	12,322	71,855	49,689	9,140	13,026	38.3	42.7
Mining .....	827	28	17	782	168	119	218	44.5	45.9
Construction .....	4,917	406	220	4,291	3,098	523	670	38.7	41.5
Manufacturing .....	19,520	659	671	18,190	12,635	2,759	2,796	41.1	42.5
Durable goods .....	11,593	230	277	11,086	7,606	1,715	1,765	41.7	42.6
Nondurable goods .....	7,928	430	394	7,104	5,029	1,044	1,031	40.1	42.2
Transportation and public utilities .....	6,487	194	329	5,964	3,938	802	1,224	41.7	43.5
Wholesale and retail trade .....	19,418	1,660	4,657	13,101	8,161	2,031	2,909	36.2	43.7
Finance, insurance, and real estate .....	5,917	160	513	5,244	3,819	606	819	39.2	41.6
Service industries .....	27,491	1,659	5,678	20,154	14,366	1,962	3,826	36.2	42.6
Private households .....	1,204	209	627	368	230	38	100	23.5	47.6
All other industries .....	26,287	1,450	5,051	19,786	14,136	1,924	3,726	36.8	42.5
Public administration .....	4,417	52	236	4,129	3,224	340	565	40.3	41.7
Self-employed workers .....	7,192	680	1,268	5,244	2,384	574	2,286	39.7	47.9
Unpaid family workers .....	417	38	168	211	110	11	90	35.9	48.8

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Sex, age, race, and marital status	December 1983							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	96,603	5,534	13,757	77,312	52,184	25,128	38.4	43.1
16 to 19 years .....	5,855	623	3,411	1,821	1,436	385	24.1	40.3
16 to 17 years .....	2,099	88	1,847	164	140	24	16.3	35.7
18 to 19 years .....	3,756	535	1,564	1,657	1,296	361	28.5	40.8
20 years and over .....	90,748	4,911	10,346	75,491	50,748	24,743	39.3	43.1
20 to 24 years .....	13,246	1,152	2,241	9,853	7,018	2,835	36.5	42.2
25 years and over .....	77,503	3,760	8,105	65,638	43,731	21,907	39.8	43.2
25 to 44 years .....	49,757	2,550	4,376	42,831	27,968	14,863	40.3	43.4
45 to 64 years .....	25,323	1,086	2,540	21,697	14,950	6,747	39.8	43.0
65 years and over .....	2,422	124	1,188	1,110	814	296	28.8	42.2
<b>Men, 16 years and over</b> .....	53,388	2,439	4,074	46,875	28,430	18,445	41.3	44.4
16 to 19 years .....	2,876	290	1,569	1,017	753	264	25.3	40.8
16 to 17 years .....	992	27	857	108	97	11	17.0	35.1
18 to 19 years .....	1,883	263	713	907	655	252	29.7	41.5
20 years and over .....	50,513	2,149	2,505	45,859	27,677	18,182	42.2	44.5
20 to 24 years .....	6,900	546	917	5,437	3,551	1,886	38.4	43.4
25 years and over .....	43,612	1,602	1,588	40,422	24,126	16,296	42.8	44.6
25 to 44 years .....	27,805	1,106	584	26,115	15,110	11,005	43.5	44.9
45 to 64 years .....	14,448	432	414	13,602	8,516	5,086	42.7	44.2
65 years and over .....	1,359	65	590	704	498	206	30.3	42.5
<b>Women, 16 years and over</b> .....	43,214	3,096	9,683	30,435	23,753	6,682	34.8	41.0
16 to 19 years .....	2,979	333	1,842	804	683	121	22.9	39.7
16 to 17 years .....	1,106	61	990	55	42	13	15.7	( <sup>1</sup> )
18 to 19 years .....	1,873	271	852	750	643	107	27.2	39.9
20 years and over .....	40,235	2,764	7,841	29,630	23,068	6,562	35.6	41.0
20 to 24 years .....	6,346	606	1,324	4,416	3,465	951	34.5	40.7
25 years and over .....	33,890	2,158	6,517	25,215	19,603	5,612	35.9	41.1
25 to 44 years .....	21,952	1,443	3,793	16,716	12,857	3,859	36.3	41.1
45 to 64 years .....	10,876	656	2,127	8,093	6,432	1,661	35.8	41.0
65 years and over .....	1,062	59	598	405	314	91	26.8	41.8
<b>RACE</b>								
White, 16 years and over .....	85,092	4,580	12,601	67,911	44,735	23,176	38.5	43.3
Men .....	47,450	2,042	3,696	41,712	24,561	17,151	41.6	44.6
Women .....	37,641	2,538	8,905	26,198	20,172	6,026	34.6	41.1
Black, 16 years and over .....	9,070	814	865	7,391	5,945	1,446	37.5	41.3
Men .....	4,589	331	264	3,994	3,041	953	39.4	42.2
Women .....	4,481	482	601	3,398	2,906	492	35.5	40.2
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	35,548	1,119	1,132	33,297	19,502	13,795	43.3	44.8
Widowed, divorced, or separated .....	4,816	284	243	4,289	2,662	1,627	41.3	43.9
Single (never married) .....	13,025	1,036	2,699	9,290	6,266	3,024	36.1	43.2
Women, 16 years and over:								
Married, spouse present .....	24,070	1,553	5,571	16,946	13,507	3,439	34.7	40.7
Widowed, divorced, or separated .....	8,429	647	1,098	6,684	4,976	1,708	37.4	41.7
Single (never married) .....	10,715	897	3,014	6,804	5,268	1,536	32.7	41.0

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Occupation and sex	December 1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
<b>Total, 16 years and over</b> .....	96,480	5,531	13,728	77,221	52,060	9,741	15,420	38.4	43.1
Managerial and professional specialty .....	23,478	546	2,177	20,755	12,205	2,496	6,054	41.7	44.7
Executive, administrative, and managerial .....	10,749	144	524	10,081	5,549	1,273	3,259	43.8	45.4
Professional specialty .....	12,728	401	1,653	10,674	6,655	1,223	2,795	40.0	44.1
Technical, sales, and administrative support .....	31,107	1,420	5,638	24,049	17,152	2,815	4,081	37.3	42.4
Technicians and related support .....	3,021	73	366	2,582	1,940	294	349	38.6	41.7
Sales occupations .....	12,147	875	2,594	8,678	4,693	1,245	2,739	38.2	45.4
Administrative support, including clerical .....	15,939	472	2,678	12,789	10,519	1,276	994	36.4	40.4
Service occupations .....	13,735	1,581	4,111	8,043	6,071	834	1,138	32.5	42.2
Private household .....	1,009	167	545	296	188	28	80	22.9	47.0
Protective service .....	1,618	46	151	1,421	920	202	299	41.2	44.4
Service, except private household and protective .....	11,108	1,367	3,415	6,326	4,962	604	759	32.0	41.4
Precision production, craft, and repair .....	12,256	696	424	11,136	7,394	1,666	2,076	40.8	42.9
Operators, fabricators, and laborers .....	15,904	1,288	1,378	13,239	9,239	1,930	2,070	38.9	42.5
Machine operators, assemblers, and inspectors .....	7,619	500	316	6,804	5,031	989	783	39.8	41.7
Transportation and material moving occupations .....	4,089	279	292	3,518	2,014	532	972	41.6	45.0
Handlers, equipment cleaners, helpers, and laborers .....	4,196	509	770	2,917	2,193	408	316	34.8	41.2
<b>Men, 16 years and over</b> .....	53,185	2,422	4,023	46,739	28,273	6,440	12,026	41.4	44.4
Managerial and professional specialty .....	13,724	244	629	12,850	6,706	1,488	4,656	44.5	46.3
Executive, administrative, and managerial .....	7,119	86	189	6,844	3,366	829	2,648	45.8	46.8
Professional specialty .....	6,605	159	440	6,006	3,340	659	2,008	43.2	45.7
Technical, sales, and administrative support .....	11,178	306	1,052	9,820	5,505	1,411	2,904	42.0	45.2
Technicians and related support .....	1,556	22	96	1,438	1,017	178	242	40.7	42.6
Sales occupations .....	6,295	195	619	5,481	2,459	801	2,221	43.7	47.4
Administrative support, including clerical .....	3,328	89	337	2,902	2,029	432	441	39.3	42.4
Service occupations .....	5,414	420	1,130	3,863	2,733	456	674	36.2	43.3
Private household .....	55	10	31	14	10	-	4	( <sup>1</sup> )	( <sup>1</sup> )
Protective service .....	1,427	31	92	1,303	829	185	289	42.7	44.8
Service, except private household and protective .....	3,932	379	1,007	2,546	1,894	271	381	34.0	42.5
Precision production, craft, and repair .....	11,169	646	290	10,233	6,700	1,552	1,982	41.2	43.1
Operators, fabricators, and laborers .....	11,700	805	922	9,972	6,629	1,534	1,810	39.7	43.1
Machine operators, assemblers, and inspectors .....	4,468	177	129	4,162	2,883	679	600	41.1	42.4
Transportation and material moving occupations .....	3,749	224	176	3,350	1,907	506	936	42.5	45.2
Handlers, equipment cleaners, helpers, and laborers .....	3,482	404	617	2,461	1,839	348	273	35.1	41.4
<b>Women, 16 years and over</b> .....	43,295	3,109	9,704	30,482	23,787	3,300	3,395	34.7	41.0
Managerial and professional specialty .....	9,754	301	1,548	7,904	5,498	1,008	1,398	37.8	42.2
Executive, administrative, and managerial .....	3,631	59	335	3,237	2,183	443	611	39.9	42.3
Professional specialty .....	6,123	243	1,213	4,667	3,316	564	788	36.6	42.0
Technical, sales, and administrative support .....	19,929	1,114	4,586	14,229	11,647	1,404	1,177	34.7	40.4
Technicians and related support .....	1,466	51	270	1,145	923	115	106	36.3	40.5
Sales occupations .....	5,851	679	1,976	3,196	2,234	444	518	32.2	42.0
Administrative support, including clerical .....	12,612	383	2,341	9,888	8,490	844	553	35.6	39.9
Service occupations .....	8,321	1,161	2,980	4,180	3,338	378	464	30.0	41.1
Private household .....	953	157	514	282	179	28	76	23.1	46.8
Protective service .....	191	15	58	118	91	17	9	30.7	40.0
Service, except private household and protective .....	7,177	989	2,408	3,780	3,068	333	379	30.9	40.7
Precision production, craft, and repair .....	1,088	50	134	903	694	114	95	37.6	41.0
Operators, fabricators, and laborers .....	4,204	482	456	3,266	2,609	396	261	36.6	40.7
Machine operators, assemblers, and inspectors .....	3,151	322	187	2,642	2,148	311	183	37.9	40.7
Transportation and material moving occupations .....	340	55	116	168	107	26	35	31.4	42.1
Handlers, equipment cleaners, helpers, and laborers .....	714	105	153	456	354	60	42	33.6	40.5

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status and sex	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	174,864	175,021	175,169	175,320	175,465	175,622	175,793	175,970	176,122	176,297	176,474	176,636	176,809
Labor force <sup>2</sup> .....	112,538	112,344	112,352	112,399	112,646	112,619	113,573	113,489	113,799	113,924	113,561	113,720	113,824
Percent of population <sup>2</sup> .....	64.4	64.2	64.1	64.1	64.2	64.1	64.6	64.5	64.6	64.6	64.3	64.4	64.4
Total employed <sup>3</sup> .....	100,644	100,821	100,836	100,980	101,277	101,431	102,411	102,889	103,166	103,571	103,665	104,291	104,629
Employment-population ratio <sup>3</sup> .....	57.6	57.6	57.6	57.6	57.7	57.8	58.3	58.5	58.6	58.7	58.7	59.0	59.2
Resident Armed Forces .....	1,665	1,667	1,664	1,664	1,671	1,669	1,668	1,664	1,682	1,695	1,695	1,685	1,688
Civilian employed .....	98,979	99,154	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941
Agriculture .....	3,429	3,420	3,415	3,386	3,392	3,374	3,479	3,499	3,449	3,308	3,240	3,257	3,356
Nonagricultural industries .....	95,550	95,734	95,757	95,930	96,214	96,388	97,264	97,726	98,035	98,568	98,730	99,349	99,585
Unemployed .....	11,894	11,523	11,516	11,419	11,369	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195
Unemployment rate <sup>4</sup> .....	10.8	10.3	10.2	10.2	10.1	9.9	9.8	9.3	9.3	9.1	8.7	8.3	8.1
Not in labor force .....	62,326	62,677	62,817	62,921	62,819	63,003	62,220	62,481	62,323	62,373	62,913	62,916	62,985
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	83,581	83,652	83,720	83,789	83,856	83,931	84,014	84,099	84,173	84,261	84,344	84,423	84,506
Labor force <sup>2</sup> .....	64,263	64,017	64,077	64,096	64,311	64,348	64,778	64,840	64,807	64,877	64,709	64,846	64,838
Percent of population <sup>2</sup> .....	76.9	76.5	76.5	76.5	76.7	76.7	77.1	77.1	77.0	77.0	76.7	76.8	76.7
Total employed <sup>3</sup> .....	57,294	57,334	57,321	57,423	57,589	57,744	58,369	58,592	58,607	58,828	58,950	59,389	59,580
Employment-population ratio <sup>3</sup> .....	68.5	68.5	68.5	68.5	68.7	68.8	69.5	69.7	69.8	69.8	69.9	70.3	70.5
Resident Armed Forces .....	1,529	1,531	1,528	1,528	1,530	1,528	1,525	1,521	1,538	1,549	1,543	1,534	1,537
Civilian employed .....	55,765	55,803	55,793	55,895	56,059	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043
Unemployed .....	6,969	6,683	6,756	6,673	6,722	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258
Unemployment rate <sup>4</sup> .....	10.8	10.4	10.5	10.4	10.5	10.3	9.9	9.6	9.6	9.3	8.9	8.4	8.1
Not in labor force .....	19,318	19,635	19,643	19,693	19,545	19,583	19,236	19,259	19,366	19,384	19,635	19,577	19,668
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	91,283	91,369	91,449	91,532	91,609	91,691	91,779	91,871	91,949	92,036	92,129	92,214	92,302
Labor force <sup>2</sup> .....	48,275	48,327	48,275	48,303	48,335	48,271	48,795	48,649	48,992	49,047	48,852	48,874	48,966
Percent of population <sup>2</sup> .....	52.9	52.9	52.8	52.8	52.8	52.6	53.2	53.0	53.3	53.3	53.0	53.0	53.1
Total employed <sup>3</sup> .....	43,350	43,487	43,515	43,557	43,688	43,687	44,042	44,297	44,559	44,743	44,715	44,902	45,049
Employment-population ratio <sup>3</sup> .....	47.5	47.6	47.6	47.6	47.7	47.6	48.0	48.2	48.5	48.6	48.5	48.7	48.8
Resident Armed Forces .....	136	136	136	136	141	141	143	143	144	146	152	151	151
Civilian employed .....	43,214	43,351	43,379	43,421	43,547	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898
Unemployed .....	4,925	4,840	4,760	4,746	4,647	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937
Unemployment rate <sup>4</sup> .....	10.2	10.0	9.9	9.8	9.6	9.5	9.7	8.9	9.0	8.8	8.5	8.1	8.0
Not in labor force .....	43,008	43,042	43,174	43,229	43,274	43,420	42,984	43,222	42,957	42,989	43,277	43,340	43,316

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

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

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

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

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-31 through A-40 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Data in this table have been revised. See the article in this issue for additional information.



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

(Numbers in thousands)

Employment status, sex, and age	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	173,199	173,354	173,505	173,656	173,794	173,953	174,125	174,306	174,440	174,602	174,779	174,951	175,121
Civilian labor force .....	110,873	110,677	110,688	110,735	110,975	110,950	111,905	111,825	112,117	112,229	111,866	112,035	112,136
Percent of population .....	64.0	63.8	63.8	63.8	63.9	63.8	64.3	64.2	64.3	64.3	64.0	64.0	64.0
Employed .....	98,979	99,154	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941
Employment-population ratio <sup>2</sup> .....	57.1	57.2	57.2	57.2	57.3	57.3	57.9	58.1	58.2	58.3	58.3	58.6	58.8
Unemployed .....	11,894	11,523	11,516	11,419	11,369	11,188	11,162	10,600	10,633	10,353	9,896	9,429	9,195
Unemployment rate .....	10.7	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	74,236	74,339	74,434	74,528	74,611	74,712	74,814	74,927	75,012	75,115	75,216	75,327	75,433
Civilian labor force .....	58,319	58,131	58,225	58,268	58,512	58,546	58,844	58,982	58,954	59,012	58,949	59,053	59,050
Percent of population .....	78.6	78.2	78.2	78.2	78.4	78.4	78.7	78.7	78.6	78.6	78.4	78.4	78.3
Employed .....	52,483	52,508	52,508	52,673	52,830	52,963	53,492	53,765	53,804	53,947	54,140	54,457	54,658
Employment-population ratio <sup>2</sup> .....	70.7	70.6	70.5	70.7	70.8	70.9	71.5	71.8	71.7	71.8	72.0	72.3	72.5
Agriculture .....	2,419	2,436	2,402	2,425	2,421	2,440	2,497	2,521	2,475	2,431	2,376	2,336	2,374
Nonagricultural industries .....	50,064	50,072	50,106	50,248	50,409	50,523	50,995	51,244	51,329	51,516	51,764	52,121	52,284
Unemployed .....	5,836	5,623	5,717	5,595	5,682	5,583	5,352	5,217	5,150	5,065	4,809	4,596	4,392
Unemployment rate .....	10.0	9.7	9.8	9.6	9.7	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4
Not in labor force .....	15,917	16,208	16,209	16,260	16,099	16,166	15,970	15,945	16,058	16,103	16,267	16,274	16,383
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	83,383	83,490	83,593	83,699	83,794	83,899	84,008	84,122	84,224	84,333	84,443	84,553	84,666
Civilian labor force .....	44,188	44,234	44,248	44,259	44,311	44,331	44,684	44,647	44,896	45,062	44,936	44,953	45,024
Percent of population .....	53.0	53.0	52.9	52.9	52.9	52.8	53.2	53.1	53.3	53.4	53.2	53.2	53.2
Employed .....	40,162	40,255	40,315	40,368	40,531	40,583	40,847	41,123	41,298	41,550	41,570	41,738	41,843
Employment-population ratio <sup>2</sup> .....	48.2	48.2	48.2	48.2	48.4	48.4	48.6	48.9	49.0	49.3	49.2	49.4	49.4
Agriculture .....	610	617	640	632	621	605	634	613	627	581	597	638	653
Nonagricultural industries .....	39,552	39,638	39,675	39,736	39,910	39,978	40,213	40,510	40,671	40,969	40,973	41,100	41,190
Unemployed .....	4,026	3,979	3,933	3,891	3,780	3,748	3,837	3,524	3,598	3,512	3,366	3,215	3,181
Unemployment rate .....	9.1	9.0	8.9	8.8	8.5	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1
Not in labor force .....	39,195	39,256	39,345	39,440	39,483	39,568	39,324	39,475	39,328	39,271	39,507	39,600	39,642
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	15,580	15,525	15,478	15,429	15,389	15,342	15,303	15,257	15,204	15,154	15,120	15,072	15,022
Civilian labor force .....	8,366	8,312	8,215	8,208	8,152	8,073	8,377	8,196	8,267	8,155	7,981	8,029	8,062
Percent of population .....	53.7	53.5	53.1	53.2	53.0	52.6	54.7	53.7	54.4	53.8	52.8	53.3	53.7
Employed .....	6,334	6,391	6,349	6,275	6,245	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440
Employment-population ratio <sup>2</sup> .....	40.7	41.2	41.0	40.7	40.6	40.5	41.8	41.5	42.0	42.1	41.4	42.5	42.9
Agriculture .....	400	367	373	329	350	329	348	365	347	296	267	283	329
Nonagricultural industries .....	5,934	6,024	5,976	5,946	5,895	5,887	6,056	5,972	6,035	6,083	5,993	6,128	6,111
Unemployed .....	2,032	1,921	1,866	1,933	1,907	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622
Unemployment rate .....	24.3	23.1	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1
Not in labor force .....	7,214	7,213	7,263	7,221	7,237	7,269	6,926	7,061	6,937	6,999	7,139	7,043	6,960

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

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982		1983										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	150,056	150,129	150,187	150,382	150,518	150,671	150,810	150,959	151,003	151,021	151,175	151,324	151,484
Civilian labor force .....	96,613	96,287	96,238	96,265	96,450	96,472	97,235	97,255	97,498	97,507	97,339	97,559	97,724
Percent of population .....	64.4	64.1	64.1	64.0	64.1	64.0	64.5	64.4	64.6	64.6	64.4	64.5	64.5
Employed .....	87,292	87,481	87,367	87,530	87,854	88,004	88,836	89,260	89,503	89,693	89,851	90,430	90,779
Employment-population ratio <sup>2</sup> .....	58.2	58.3	58.2	58.2	58.4	58.4	58.9	59.1	59.3	59.4	59.4	59.8	59.9
Unemployed .....	9,321	8,806	8,871	8,735	8,596	8,468	8,399	7,995	7,995	7,814	7,488	7,129	6,945
Unemployment rate .....	9.6	9.1	9.2	9.1	8.9	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1
<b>Men, 20 years and over</b>													
Civilian labor force .....	51,430	51,138	51,271	51,320	51,480	51,581	51,820	51,901	51,878	51,881	51,902	52,021	52,063
Percent of population .....	79.1	78.6	78.7	78.6	78.7	78.7	79.0	79.0	78.9	79.0	78.9	78.9	78.9
Employed .....	46,770	46,795	46,772	46,942	47,085	47,231	47,704	47,891	47,886	47,908	48,128	48,414	48,589
Employment-population ratio <sup>2</sup> .....	71.9	71.9	71.8	71.9	72.0	72.1	72.7	72.9	72.9	73.1	73.1	73.5	73.6
Unemployed .....	4,660	4,343	4,499	4,378	4,395	4,330	4,116	4,010	3,992	3,973	3,774	3,607	3,474
Unemployment rate .....	9.1	8.5	8.8	8.5	8.5	8.4	7.9	7.7	7.7	7.7	7.3	6.9	6.7
<b>Women, 20 years and over</b>													
Civilian labor force .....	37,849	37,805	37,696	37,664	37,793	37,805	38,129	38,161	38,356	38,468	38,438	38,489	38,556
Percent of population .....	52.5	52.4	52.2	52.1	52.2	52.2	52.6	52.5	52.7	52.8	52.7	52.7	52.8
Employed .....	34,774	34,832	34,785	34,846	35,049	35,082	35,309	35,574	35,767	35,928	36,016	36,177	36,292
Employment-population ratio <sup>2</sup> .....	48.2	48.3	48.2	48.2	48.4	48.4	48.7	48.9	49.2	49.3	49.4	49.6	49.7
Unemployed .....	3,075	2,973	2,911	2,818	2,744	2,723	2,820	2,587	2,589	2,540	2,422	2,312	2,264
Unemployment rate .....	8.1	7.9	7.7	7.5	7.3	7.2	7.4	6.8	6.7	6.6	6.3	6.0	5.9
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	7,334	7,344	7,271	7,281	7,177	7,106	7,286	7,193	7,264	7,158	6,999	7,049	7,105
Percent of population .....	56.9	57.1	56.7	57.0	56.3	56.0	57.6	57.2	57.9	57.3	58.2	56.7	57.2
Employed .....	5,748	5,854	5,810	5,742	5,720	5,691	5,823	5,795	5,850	5,857	5,707	5,839	5,898
Employment-population ratio <sup>2</sup> .....	44.6	45.5	45.3	45.0	44.9	44.8	46.1	46.1	46.6	46.9	45.8	47.0	47.5
Unemployed .....	1,586	1,490	1,461	1,539	1,457	1,415	1,463	1,398	1,414	1,301	1,292	1,210	1,207
Unemployment rate .....	21.6	20.3	20.1	21.1	20.3	19.9	20.1	19.4	19.5	18.2	18.5	17.2	17.0
Men .....	22.8	21.5	21.4	22.6	21.4	20.4	20.4	20.3	20.7	18.9	19.6	17.6	17.5
Women .....	20.4	19.0	18.7	19.6	19.1	19.4	19.7	18.4	18.2	17.4	16.9	16.6	16.5
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	18,740	18,768	18,796	18,823	18,851	18,880	18,911	18,942	18,966	18,994	19,026	19,057	19,086
Civilian labor force .....	11,547	11,544	11,561	11,573	11,651	11,645	11,718	11,741	11,724	11,720	11,565	11,623	11,650
Percent of population .....	61.6	61.5	61.5	61.5	61.8	61.7	62.0	62.0	61.8	61.7	60.8	61.0	61.0
Employed .....	9,128	9,158	9,272	9,249	9,245	9,277	9,339	9,443	9,408	9,504	9,449	9,563	9,582
Employment-population ratio <sup>2</sup> .....	48.7	48.8	49.3	49.1	49.0	49.1	49.4	49.9	49.6	50.0	49.7	50.2	50.2
Unemployed .....	2,419	2,386	2,289	2,324	2,406	2,368	2,379	2,298	2,316	2,216	2,116	2,060	2,068
Unemployment rate .....	20.9	20.7	19.8	20.1	20.7	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,491	5,475	5,442	5,466	5,530	5,506	5,562	5,599	5,578	5,553	5,501	5,568	5,565
Percent of population .....	75.7	75.3	74.7	74.8	75.6	75.1	75.7	76.0	75.6	75.1	74.2	74.9	74.7
Employed .....	4,353	4,384	4,417	4,420	4,425	4,435	4,512	4,558	4,563	4,613	4,607	4,701	4,722
Employment-population ratio <sup>2</sup> .....	60.0	60.3	60.6	60.5	60.5	60.5	61.4	61.9	61.8	62.4	62.1	63.2	63.4
Unemployed .....	1,138	1,091	1,025	1,046	1,105	1,071	1,050	1,040	1,015	940	894	867	843
Unemployment rate .....	20.7	19.9	18.8	19.1	20.0	19.5	18.9	18.6	18.2	16.9	16.3	15.6	15.1
<b>Women, 20 years and over</b>													
Civilian labor force .....	5,225	5,264	5,339	5,325	5,288	5,329	5,287	5,317	5,312	5,358	5,277	5,270	5,303
Percent of population .....	56.6	57.0	57.7	57.4	56.9	57.2	56.7	56.9	56.7	57.1	56.1	55.9	56.2
Employed .....	4,352	4,347	4,438	4,400	4,396	4,424	4,391	4,458	4,440	4,495	4,438	4,448	4,461
Employment-population ratio <sup>2</sup> .....	47.2	47.0	47.9	47.4	47.3	47.5	47.1	47.7	47.4	47.9	47.2	47.2	47.3
Unemployed .....	873	917	901	925	892	905	896	859	872	863	839	822	842
Unemployment rate .....	16.7	17.4	16.9	17.4	16.9	17.0	16.9	16.2	16.4	16.1	15.9	15.6	15.9

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	831	805	780	782	833	810	869	825	834	809	787	785	782
Percent of population .....	36.8	35.7	34.7	34.9	37.2	36.3	39.0	37.1	37.6	36.6	35.6	35.6	35.6
Employed .....	423	427	417	429	424	418	436	426	405	396	404	414	399
Employment-population ratio <sup>2</sup> .....	18.7	19.0	18.5	19.1	18.9	18.7	19.6	19.1	18.3	17.9	18.3	18.8	18.2
Unemployed .....	408	378	363	353	409	392	433	399	429	413	383	371	383
Unemployment rate .....	49.1	47.0	46.5	45.1	49.1	48.4	49.8	48.4	51.4	51.1	48.7	47.3	49.0
Men .....	52.1	48.0	47.2	46.5	48.6	52.1	50.7	48.3	53.7	52.7	45.6	44.9	46.4
Women .....	45.8	45.7	45.7	43.5	49.6	44.1	48.7	48.4	48.8	49.2	52.2	50.0	51.9
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,301	9,328	9,368	9,551	9,665	9,747	9,738	9,640	9,690	9,700	9,745	9,677	9,735
Civilian labor force .....	5,938	5,986	6,001	6,070	6,161	6,139	6,202	6,090	6,145	6,202	6,165	6,232	6,267
Percent of population .....	63.8	64.2	64.1	63.6	63.7	63.0	63.7	63.2	63.4	63.9	63.3	64.4	64.4
Employed .....	5,016	5,063	5,071	5,114	5,259	5,284	5,336	5,339	5,350	5,392	5,398	5,463	5,540
Employment-population ratio <sup>2</sup> .....	53.9	54.3	54.1	53.5	54.4	54.2	54.8	55.4	55.2	55.6	55.4	56.5	56.9
Unemployed .....	922	923	930	956	902	855	866	751	795	810	767	769	727
Unemployment rate .....	15.5	15.4	15.5	15.7	14.6	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6

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

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

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

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Data in this table have been revised. See the article in this issue for additional information.

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

(In thousands)

Category	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>CHARACTERISTIC</b>													
Total .....	98,979	99,154	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941
Married men, spouse present .....	37,492	37,498	37,491	37,545	37,602	37,616	37,911	38,254	38,281	38,232	38,240	38,388	38,494
Married women, spouse present .....	24,129	24,182	24,129	24,220	24,361	24,304	24,416	24,618	24,905	24,921	24,953	25,057	25,140
Women who maintain families .....	4,985	5,029	5,016	5,093	4,969	4,991	5,029	5,071	5,096	5,124	5,172	5,236	5,254
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,567	1,616	1,617	1,558	1,578	1,588	1,624	1,631	1,628	1,572	1,505	1,481	1,512
Self-employed workers .....	1,609	1,589	1,562	1,584	1,595	1,558	1,591	1,573	1,564	1,515	1,527	1,556	1,572
Unpaid family workers .....	224	231	230	265	219	233	252	251	240	236	227	224	265
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	87,827	87,865	87,916	88,078	88,390	88,584	89,345	89,687	90,032	90,743	90,617	91,094	91,422
Government .....	15,486	15,428	15,510	15,479	15,524	15,530	15,514	15,593	15,671	15,560	15,578	15,585	15,481
Private industries .....	72,341	72,437	72,406	72,599	72,866	73,054	73,831	74,094	74,361	75,183	75,039	75,509	75,941
Private households .....	1,181	1,180	1,222	1,234	1,221	1,238	1,295	1,276	1,270	1,279	1,278	1,216	1,241
Other industries .....	71,160	71,257	71,184	71,365	71,645	71,816	72,536	72,818	73,091	73,904	73,761	74,293	74,700
Self-employed workers .....	7,355	7,440	7,403	7,456	7,504	7,448	7,510	7,595	7,641	7,656	7,695	7,800	7,734
Unpaid family workers .....	373	374	354	344	354	345	352	322	375	380	405	474	450
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	90,064	90,726	90,276	90,450	92,233	91,070	90,913	92,126	91,953	93,322	93,273	93,834	94,173
Full-time schedules .....	71,470	71,764	71,703	72,035	73,567	72,949	73,071	73,844	73,499	74,666	75,047	75,398	75,802
Part time for economic reasons .....	6,367	6,678	6,362	6,169	6,077	5,965	5,886	5,700	5,866	6,027	5,724	5,848	5,712
Usually work full time .....	2,103	2,138	2,059	1,934	1,888	1,748	1,777	1,781	1,742	1,771	1,617	1,719	1,672
Usually work part time .....	4,264	4,540	4,303	4,235	4,189	4,217	4,109	3,919	4,124	4,256	4,107	4,129	4,040
Part time for noneconomic reasons .....	12,227	12,284	12,211	12,246	12,589	12,156	11,956	12,582	12,588	12,629	12,502	12,588	12,659

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(In thousands)

Sex and age	1982		1983										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over .....	98,979	99,154	99,172	99,316	99,606	99,762	100,743	101,225	101,484	101,876	101,970	102,606	102,941
16 to 24 years .....	19,885	19,888	19,885	19,803	19,806	19,715	20,211	20,215	20,170	20,217	20,085	20,338	20,377
16 to 19 years .....	6,334	6,391	6,349	6,275	6,245	6,216	6,404	6,337	6,382	6,379	6,260	6,411	6,440
16 to 17 years .....	2,341	2,416	2,348	2,309	2,291	2,288	2,315	2,283	2,331	2,320	2,257	2,332	2,355
18 to 19 years .....	3,981	3,987	3,995	3,970	3,954	3,938	4,104	4,067	4,013	4,062	4,012	4,064	4,092
20 to 24 years .....	13,551	13,497	13,536	13,528	13,561	13,499	13,807	13,878	13,788	13,838	13,825	13,927	13,937
25 years and over .....	79,088	79,247	79,288	79,507	79,783	80,034	80,528	81,020	81,363	81,668	81,892	82,268	82,551
25 to 54 years .....	64,849	65,029	65,058	65,309	65,691	65,895	66,380	66,797	67,155	67,323	67,537	67,913	68,179
55 years and over .....	14,225	14,217	14,182	14,157	14,111	14,129	14,178	14,224	14,231	14,368	14,364	14,364	14,347
Men, 16 years and over .....	55,765	55,803	55,793	55,895	56,059	56,216	56,844	57,071	57,069	57,279	57,407	57,855	58,043
16 to 24 years .....	10,371	10,373	10,358	10,303	10,337	10,347	10,689	10,606	10,566	10,634	10,569	10,789	10,770
16 to 19 years .....	3,282	3,295	3,285	3,222	3,229	3,253	3,352	3,306	3,265	3,332	3,267	3,398	3,385
16 to 17 years .....	1,224	1,282	1,242	1,210	1,174	1,196	1,219	1,200	1,206	1,217	1,165	1,223	1,224
18 to 19 years .....	2,035	2,020	2,041	2,013	2,056	2,061	2,147	2,116	2,054	2,120	2,102	2,155	2,151
20 to 24 years .....	7,089	7,078	7,073	7,081	7,108	7,094	7,337	7,300	7,301	7,302	7,302	7,391	7,385
25 years and over .....	45,390	45,419	45,434	45,594	45,718	45,881	46,168	46,430	46,511	46,666	46,834	47,073	47,266
25 to 54 years .....	36,899	36,986	37,000	37,180	37,328	37,483	37,748	37,953	38,052	38,173	38,334	38,550	38,757
55 years and over .....	8,452	8,443	8,419	8,410	8,394	8,371	8,460	8,481	8,468	8,499	8,499	8,541	8,470
Women, 16 years and over .....	43,214	43,351	43,379	43,421	43,547	43,546	43,899	44,154	44,415	44,597	44,563	44,751	44,898
16 to 24 years .....	9,514	9,515	9,527	9,500	9,469	9,368	9,522	9,609	9,604	9,583	9,516	9,549	9,607
16 to 19 years .....	3,052	3,096	3,064	3,053	3,016	2,963	3,052	3,031	3,117	3,047	2,993	3,013	3,055
16 to 17 years .....	1,117	1,134	1,106	1,099	1,117	1,092	1,096	1,083	1,125	1,103	1,092	1,109	1,131
18 to 19 years .....	1,946	1,967	1,954	1,957	1,898	1,877	1,957	1,951	1,959	1,942	1,910	1,909	1,941
20 to 24 years .....	6,462	6,419	6,463	6,447	6,453	6,405	6,470	6,578	6,487	6,536	6,523	6,536	6,552
25 years and over .....	33,698	33,828	33,854	33,913	34,065	34,153	34,360	34,590	34,852	35,002	35,058	35,195	35,285
25 to 54 years .....	27,950	28,043	28,058	28,129	28,363	28,412	28,632	28,844	29,103	29,150	29,203	29,363	29,422
55 years and over .....	5,773	5,774	5,763	5,747	5,717	5,758	5,718	5,743	5,763	5,869	5,865	5,823	5,877

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

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

(In thousands)

Sex and age	1982		1983										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over .....	11,894	11,523	11,516	11,419	11,369	11,186	11,162	10,600	10,633	10,353	9,896	9,429	9,195
16 to 24 years .....	4,636	4,493	4,455	4,398	4,381	4,330	4,322	4,096	4,197	3,994	3,899	3,692	3,564
16 to 19 years .....	2,032	1,921	1,866	1,933	1,907	1,857	1,973	1,859	1,885	1,776	1,721	1,618	1,622
16 to 17 years .....	887	783	742	786	798	788	798	767	767	731	712	653	700
18 to 19 years .....	1,170	1,125	1,114	1,157	1,106	1,066	1,176	1,071	1,107	1,046	1,020	972	947
20 to 24 years .....	2,604	2,572	2,589	2,465	2,474	2,473	2,349	2,237	2,312	2,218	2,178	2,074	1,942
25 years and over .....	7,288	7,013	7,080	6,999	6,956	6,898	6,871	6,486	6,424	6,370	6,002	5,728	5,659
25 to 54 years .....	6,442	6,212	6,226	6,209	6,106	6,106	5,990	5,707	5,668	5,610	5,259	5,007	4,938
55 years and over .....	862	818	815	807	825	798	825	798	765	785	753	741	742
Men, 16 years and over .....	6,969	6,683	6,756	6,673	6,722	6,604	6,409	6,248	6,200	6,049	5,759	5,457	5,258
16 to 24 years .....	2,677	2,567	2,550	2,486	2,501	2,505	2,448	2,397	2,408	2,271	2,209	2,042	1,998
16 to 19 years .....	1,133	1,060	1,039	1,078	1,040	1,021	1,057	1,031	1,050	984	950	861	866
16 to 17 years .....	493	422	400	431	432	435	429	451	423	383	374	344	372
18 to 19 years .....	648	629	628	649	610	591	635	568	619	605	579	524	501
20 to 24 years .....	1,544	1,507	1,511	1,408	1,461	1,484	1,391	1,366	1,358	1,287	1,259	1,181	1,132
25 years and over .....	4,319	4,088	4,213	4,178	4,213	4,124	3,962	3,826	3,791	3,794	3,552	3,417	3,283
25 to 54 years .....	3,761	3,588	3,680	3,656	3,646	3,602	3,465	3,337	3,311	3,315	3,074	2,935	2,799
55 years and over .....	554	522	517	518	549	516	492	489	482	507	482	490	481
Women, 16 years and over .....	4,925	4,840	4,760	4,746	4,647	4,584	4,753	4,352	4,433	4,304	4,137	3,972	3,937
16 to 24 years .....	1,959	1,926	1,905	1,912	1,880	1,825	1,874	1,699	1,789	1,723	1,690	1,650	1,566
16 to 19 years .....	899	861	827	855	867	836	916	828	835	792	771	757	756
16 to 17 years .....	394	361	342	355	366	353	369	316	344	348	338	309	328
18 to 19 years .....	522	496	486	508	496	475	541	503	488	441	441	448	446
20 to 24 years .....	1,060	1,065	1,078	1,057	1,013	989	958	871	954	931	919	893	810
25 years and over .....	2,969	2,925	2,867	2,821	2,743	2,774	2,909	2,660	2,633	2,576	2,450	2,311	2,376
25 to 54 years .....	2,681	2,624	2,546	2,553	2,460	2,504	2,525	2,370	2,357	2,295	2,185	2,072	2,139
55 years and over .....	308	296	298	289	276	282	333	309	283	278	271	251	261

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

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

(Civilian workers)

Sex and age	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over .....	10.7	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2
16 to 24 years .....	18.9	18.4	18.3	18.2	18.1	18.0	17.6	16.8	17.2	16.5	16.3	15.4	14.9
16 to 19 years .....	24.3	23.1	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1
16 to 17 years .....	27.5	24.5	24.0	25.4	25.8	25.6	25.6	25.1	24.8	24.0	24.0	21.9	22.9
18 to 19 years .....	22.7	22.0	21.8	22.6	21.9	21.3	22.3	20.8	21.6	20.5	20.3	19.3	18.8
20 to 24 years .....	16.1	16.0	16.1	15.4	15.4	15.5	14.5	13.9	14.4	13.8	13.6	13.0	12.2
25 years and over .....	8.4	8.1	8.2	8.1	8.0	7.9	7.9	7.4	7.3	7.2	6.8	6.5	6.4
25 to 54 years .....	9.0	8.7	8.7	8.7	8.5	8.5	8.3	7.9	7.8	7.7	7.2	6.9	6.8
55 years and over .....	5.7	5.4	5.4	5.4	5.5	5.3	5.5	5.3	5.1	5.2	5.0	4.9	4.9
Men, 16 years and over .....	11.1	10.7	10.8	10.7	10.7	10.5	10.1	9.9	9.8	9.6	9.1	8.6	8.3
16 to 24 years .....	20.5	19.8	19.6	19.4	19.5	19.5	18.6	18.4	18.6	17.6	17.3	15.9	15.6
16 to 19 years .....	25.7	24.3	24.0	25.1	24.4	23.9	24.0	23.8	24.3	22.8	22.5	20.2	20.4
16 to 17 years .....	28.7	24.8	24.4	26.3	26.9	26.7	26.0	27.3	26.0	23.9	24.3	22.0	23.3
18 to 19 years .....	24.2	23.7	23.5	24.4	22.9	22.3	22.8	21.2	23.2	22.2	21.6	19.6	18.9
20 to 24 years .....	17.9	17.6	17.6	16.6	17.0	17.3	15.9	15.8	15.7	15.0	14.7	13.8	13.3
25 years and over .....	8.7	8.3	8.5	8.4	8.4	8.2	7.9	7.6	7.5	7.5	7.0	6.8	6.5
25 to 54 years .....	9.2	8.8	9.0	9.0	8.9	8.8	8.4	8.1	8.0	8.0	7.4	7.1	6.7
55 years and over .....	6.2	5.8	5.8	5.8	6.1	5.8	5.5	5.5	5.4	5.6	5.4	5.4	5.4
Women, 16 years and over .....	10.2	10.0	9.9	9.9	9.6	9.5	9.8	9.0	9.1	8.8	8.5	8.2	8.1
16 to 24 years .....	17.1	16.8	16.7	16.8	16.6	16.3	16.4	15.0	15.7	15.2	15.1	14.7	14.0
16 to 19 years .....	22.8	21.8	21.3	21.9	22.3	22.0	23.1	21.5	21.1	20.6	20.5	20.1	19.8
16 to 17 years .....	26.1	24.1	23.6	24.4	24.7	24.4	25.2	22.6	23.4	24.0	23.6	21.8	22.5
18 to 19 years .....	21.2	20.1	19.9	20.6	20.7	20.2	21.7	20.5	19.9	18.5	18.8	19.0	18.7
20 to 24 years .....	14.1	14.2	14.3	14.1	13.6	13.4	12.9	11.7	12.8	12.5	12.3	12.0	11.0
25 years and over .....	8.1	8.0	7.8	7.7	7.5	7.5	7.8	7.1	7.0	6.9	6.5	6.2	6.3
25 to 54 years .....	8.8	8.6	8.3	8.3	8.0	8.1	8.1	7.6	7.5	7.3	7.0	6.6	6.8
55 years and over .....	5.1	4.9	4.9	4.8	4.6	4.7	5.5	5.1	4.7	4.5	4.4	4.1	4.3

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

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

(Unemployment rates)

Category	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	10.7	10.4	10.4	10.3	10.2	10.1	10.0	9.5	9.5	9.2	8.8	8.4	8.2
Men, 20 years and over .....	10.0	9.7	9.8	9.6	9.7	9.5	9.1	8.8	8.7	8.6	8.2	7.8	7.4
Women, 20 years and over .....	9.1	9.0	8.9	8.8	8.5	8.5	8.6	7.9	8.0	7.8	7.5	7.2	7.1
Both sexes, 16 to 19 years .....	24.3	23.1	22.7	23.6	23.4	23.0	23.6	22.7	22.8	21.8	21.6	20.2	20.1
White .....	9.6	9.1	9.2	9.1	8.9	8.8	8.6	8.2	8.2	8.0	7.7	7.3	7.1
Black and other .....	18.9	18.9	18.2	18.6	18.7	18.5	18.6	17.9	17.9	17.3	16.7	16.1	16.3
Black .....	20.9	20.7	19.8	20.1	20.7	20.3	20.3	19.6	19.8	18.9	18.3	17.7	17.8
Hispanic origin .....	15.5	15.4	15.5	15.7	14.6	13.9	14.0	12.3	12.9	13.1	12.4	12.3	11.6
Married men, spouse present .....	7.5	7.2	7.2	7.1	7.1	7.0	6.7	6.2	6.3	6.1	5.7	5.5	5.2
Married women, spouse present .....	8.1	7.8	7.6	7.5	7.4	7.4	7.6	7.0	6.9	6.8	6.3	6.0	6.1
Women who maintain families .....	13.3	13.2	13.2	13.3	13.0	12.7	12.5	11.8	11.8	12.0	11.4	10.5	10.9
Full-time workers .....	10.7	10.3	10.4	10.2	10.2	10.0	9.7	9.4	9.3	9.1	8.7	8.2	8.0
Part-time workers .....	11.1	10.7	10.1	10.6	10.5	10.9	11.8	10.2	10.2	10.1	10.0	9.8	9.8
Unemployed 15 weeks and over <sup>1</sup> .....	4.2	4.2	4.2	4.1	4.0	4.1	4.0	3.9	3.6	3.5	3.3	3.1	3.0
Labor force time lost <sup>2</sup> .....	12.2	11.7	11.9	11.7	11.5	11.5	11.1	10.7	10.7	10.5	10.0	9.7	9.4
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	11.5	10.9	10.8	10.7	10.5	10.4	10.1	9.7	9.8	9.4	9.0	8.6	8.3
Mining .....	18.2	17.6	19.1	19.2	20.3	20.8	17.9	16.6	14.9	16.9	12.1	12.8	12.4
Construction .....	21.6	20.2	19.9	20.2	20.0	20.0	18.4	18.0	17.9	18.1	15.8	15.6	16.3
Manufacturing .....	14.2	13.1	13.1	12.8	12.5	12.3	11.6	10.7	11.2	10.2	9.6	8.9	8.3
Durable goods .....	16.1	14.7	14.5	14.3	13.7	13.5	12.5	11.4	11.7	10.9	10.2	9.0	8.3
Nondurable goods .....	11.4	10.8	11.0	10.8	10.8	10.6	10.2	9.7	10.5	9.3	8.7	8.7	8.2
Transportation and public utilities .....	8.0	7.8	8.0	7.6	7.7	7.3	7.8	7.3	7.7	7.4	7.2	6.7	6.5
Wholesale and retail trade .....	11.1	10.8	10.9	10.9	10.4	10.2	10.2	9.8	9.8	9.5	9.8	9.1	8.8
Finance and service industries .....	8.0	7.6	7.4	7.3	7.3	7.5	7.2	7.3	7.2	7.0	6.9	6.7	6.6
Agricultural wage and salary workers .....	16.3	15.7	16.3	15.9	16.8	16.8	16.5	15.0	15.1	16.5	16.2	15.7	15.6

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

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.

hours.

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED**

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

(Numbers in thousands)

Weeks of unemployment	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>DURATION</b>													
Less than 5 weeks .....	3,898	3,600	3,732	3,535	3,585	3,568	3,630	3,529	3,633	3,740	3,504	3,328	3,382
5 to 14 weeks .....	3,419	3,331	3,169	3,173	3,139	3,012	2,950	2,841	2,951	2,784	2,725	2,616	2,504
15 weeks and over .....	4,660	4,623	4,613	4,587	4,396	4,510	4,486	4,398	4,078	3,889	3,655	3,527	3,369
15 to 26 weeks .....	2,077	1,954	1,928	1,861	1,691	1,774	1,593	1,794	1,587	1,383	1,372	1,337	1,284
27 weeks and over .....	2,583	2,669	2,685	2,726	2,705	2,736	2,893	2,604	2,481	2,506	2,283	2,190	2,085
Average (mean) duration, in weeks .....	18.4	19.4	19.1	19.2	19.2	20.2	21.4	21.3	19.9	20.2	20.1	20.2	19.6
Median duration, in weeks .....	10.4	11.3	9.8	10.4	10.8	11.9	10.8	10.1	9.4	9.4	9.5	9.4	9.0
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	32.5	31.2	32.4	31.3	32.3	32.2	32.8	32.8	34.1	35.9	35.5	35.1	36.5
5 to 14 weeks .....	28.5	28.8	27.5	28.1	28.2	27.2	26.7	26.4	27.7	26.7	27.6	27.6	27.1
15 weeks and over .....	38.9	40.0	40.1	40.6	39.5	40.7	40.5	40.8	38.2	37.3	37.0	37.2	36.4
15 to 26 weeks .....	17.3	16.9	16.7	16.5	15.2	16.0	14.4	16.7	15.0	13.3	13.9	14.1	13.9
27 weeks and over .....	21.6	23.1	23.3	24.1	24.3	24.7	26.1	24.2	23.3	24.1	23.1	23.1	22.5

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

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

(Numbers in thousands)

Reasons for unemployment	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	7,114	6,810	6,864	6,848	6,767	6,753	6,525	6,235	6,133	5,938	5,601	5,226	5,017
On layoff .....	2,335	2,151	2,084	2,005	1,979	1,958	1,841	1,735	1,660	1,562	1,392	1,321	1,283
Other job losers .....	4,779	4,659	4,780	4,843	4,788	4,795	4,684	4,500	4,473	4,376	4,209	3,905	3,734
Job leavers .....	826	826	830	888	816	808	799	752	799	858	866	868	855
Reentrants .....	2,684	2,557	2,505	2,460	2,491	2,404	2,436	2,415	2,479	2,362	2,322	2,250	2,246
New entrants .....	1,282	1,199	1,188	1,182	1,251	1,246	1,412	1,229	1,214	1,234	1,127	1,154	1,150
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	59.8	59.8	60.3	60.2	59.8	60.2	58.4	58.6	57.7	57.1	56.5	55.0	54.1
On layoff .....	19.6	18.9	18.3	17.6	17.5	17.5	16.5	16.3	15.6	15.0	14.0	13.9	13.8
Other job losers .....	40.1	40.9	42.0	42.6	42.3	42.8	41.9	42.3	42.1	42.1	42.4	41.1	40.3
Job leavers .....	6.9	7.3	7.3	7.8	7.2	7.2	7.2	7.1	7.5	8.3	8.7	9.1	9.2
Reentrants .....	22.5	22.4	22.0	21.6	22.0	21.4	21.8	22.7	23.3	22.7	23.4	23.7	24.2
New entrants .....	10.8	10.5	10.4	10.4	11.0	11.1	12.6	11.6	11.4	11.9	11.4	12.1	12.4
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	6.4	6.2	6.2	6.2	6.1	6.1	5.8	5.6	5.5	5.3	5.0	4.7	4.5
Job leavers .....	.7	.7	.7	.8	.7	.7	.7	.7	.7	.8	.8	.8	.8
Reentrants .....	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.0	2.0
New entrants .....	1.2	1.1	1.1	1.1	1.1	1.1	1.3	1.1	1.1	1.1	1.0	1.0	1.0

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status and sex	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>TOTAL</b>													
Noninstitutional population <sup>1</sup> .....	170,327	170,912	171,467	172,071	172,649	173,161	173,686	174,200	174,710	175,170	175,626	176,129	176,639
Labor force <sup>1</sup> .....	109,059	109,929	110,499	110,167	110,668	111,078	111,858	112,195	112,493	112,365	112,946	113,737	113,702
Percent of population <sup>2</sup> .....	64.0	64.3	64.4	64.0	64.1	64.1	64.4	64.4	64.4	64.1	64.3	64.6	64.4
Total employed <sup>1</sup> .....	101,106	101,892	102,480	102,110	101,680	101,413	101,476	101,171	100,718	100,879	101,706	103,209	104,195
Employment-population ratio <sup>3</sup> .....	59.4	59.6	59.8	59.3	58.9	58.6	58.4	56.1	57.6	57.6	57.9	58.6	59.0
Resident Armed Forces .....	1,634	1,633	1,630	1,658	1,659	1,664	1,666	1,678	1,664	1,665	1,669	1,680	1,689
Civilian employed .....	99,472	100,259	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506
Agriculture .....	3,420	3,381	3,417	3,342	3,345	3,384	3,389	3,388	3,457	3,407	3,415	3,419	3,264
Nonagricultural industries .....	96,052	96,878	97,432	97,110	96,677	96,365	96,421	96,105	95,597	95,807	96,622	98,110	99,221
Unemployed .....	7,953	8,037	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507
Unemployment rate <sup>4</sup> .....	7.3	7.3	7.3	7.3	8.1	8.7	9.3	9.8	10.5	10.2	10.0	9.3	8.4
Not in labor force .....	61,269	60,983	60,968	61,904	61,981	62,083	61,828	62,005	62,217	62,805	62,680	62,392	62,938
<b>Men</b>													
Noninstitutional population <sup>1</sup> .....	81,347	81,614	81,874	82,163	82,442	82,678	82,926	83,167	83,435	83,720	83,934	84,178	84,424
Labor force <sup>1</sup> .....	63,116	63,425	63,562	63,400	63,560	63,725	63,991	64,038	64,284	64,063	64,479	64,841	64,798
Percent of population <sup>2</sup> .....	77.6	77.7	77.6	77.2	77.1	77.1	77.2	77.0	77.0	76.5	76.8	77.0	76.8
Total employed <sup>1</sup> .....	58,668	58,963	59,150	59,008	58,511	58,202	58,033	57,605	57,357	57,359	57,901	58,676	59,306
Employment-population ratio <sup>3</sup> .....	72.1	72.2	72.2	71.8	71.0	70.4	70.0	69.3	68.7	68.5	69.0	69.7	70.2
Resident Armed Forces .....	1,505	1,503	1,499	1,521	1,525	1,526	1,527	1,538	1,523	1,529	1,528	1,536	1,538
Civilian employed .....	57,163	57,460	57,651	57,487	56,986	56,676	56,506	56,067	55,834	55,830	56,373	57,140	57,768
Unemployed .....	4,449	4,462	4,412	4,392	5,050	5,522	5,958	6,434	6,927	6,704	6,578	6,166	5,491
Unemployment rate <sup>4</sup> .....	7.0	7.0	6.9	6.9	7.9	8.7	9.3	10.0	10.8	10.5	10.2	9.5	8.5
Not in labor force .....	18,231	18,189	18,312	18,763	18,882	18,953	18,935	19,129	19,151	19,657	19,455	19,337	19,626
<b>Women</b>													
Noninstitutional population <sup>1</sup> .....	88,980	89,298	89,593	89,908	90,207	90,482	90,759	91,033	91,274	91,450	91,693	91,952	92,215
Labor force <sup>1</sup> .....	45,942	46,505	46,937	46,767	47,108	47,352	47,866	48,157	48,209	48,302	48,467	48,896	48,904
Percent of population <sup>2</sup> .....	51.6	52.1	52.4	52.0	52.2	52.3	52.7	52.9	52.8	52.8	52.9	53.2	53.0
Total employed <sup>1</sup> .....	42,438	42,930	43,330	43,102	43,170	43,209	43,442	43,566	43,361	43,520	43,806	44,533	44,889
Employment-population ratio <sup>3</sup> .....	47.7	48.1	48.4	47.9	47.9	47.8	47.9	47.9	47.5	47.6	47.8	48.4	48.7
Resident Armed Forces .....	129	131	131	137	134	137	138	140	141	136	142	144	151
Civilian employed .....	42,309	42,799	43,199	42,965	43,036	43,072	43,304	43,426	43,220	43,384	43,664	44,389	44,737
Unemployed .....	3,504	3,575	3,607	3,665	3,938	4,143	4,424	4,591	4,848	4,782	4,661	4,363	4,015
Unemployment rate <sup>4</sup> .....	7.6	7.7	7.7	7.8	8.4	8.7	9.2	9.5	10.1	9.9	9.6	8.9	8.2
Not in labor force .....	43,038	42,793	42,656	43,141	43,099	43,130	42,893	42,876	43,065	43,148	43,226	43,056	43,311

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

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

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

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

NOTE: The population and Armed Forces figures are not adjusted for seasonal variation. Detail for the seasonally adjusted data shown in tables A-41 through A-51 will not necessarily add to totals because of the independent seasonal adjustment of the various series. Data in this table have been revised. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>TOTAL</b>													
Civilian noninstitutional population <sup>1</sup> .....	168,693	169,279	169,837	170,413	170,990	171,497	172,020	172,522	173,046	173,505	173,957	174,449	174,950
Civilian labor force .....	107,425	108,296	108,869	108,509	109,009	109,414	110,192	110,517	110,829	110,700	111,277	112,057	112,012
Percent of population .....	63.7	64.0	64.1	63.7	63.8	63.8	64.1	64.1	64.0	63.8	64.0	64.2	64.0
Employed .....	99,472	100,259	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506
Employment-population ratio <sup>2</sup> .....	59.0	59.2	59.4	58.9	58.5	58.2	58.0	57.7	57.2	57.2	57.5	58.2	58.6
Unemployed .....	7,953	8,037	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507
Unemployment rate .....	7.4	7.4	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5
<b>Men, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	71,634	71,948	72,251	72,567	72,912	73,205	73,492	73,775	74,105	74,434	74,712	75,018	75,325
Civilian labor force .....	56,694	56,981	57,248	57,192	57,364	57,608	57,963	58,130	58,335	58,208	58,634	58,983	59,017
Percent of population .....	79.1	79.2	79.2	78.8	78.7	78.7	78.9	78.8	78.7	78.2	78.5	78.6	78.4
Employed .....	53,197	53,510	53,787	53,709	53,309	53,136	53,091	52,791	52,537	52,563	53,095	53,839	54,418
Employment-population ratio <sup>2</sup> .....	74.3	74.4	74.4	74.0	73.1	72.6	72.2	71.6	70.9	70.6	71.1	71.8	72.2
Agriculture .....	2,398	2,379	2,402	2,372	2,382	2,399	2,426	2,422	2,440	2,421	2,453	2,476	2,362
Nonagricultural industries .....	50,799	51,131	51,385	51,338	50,927	50,737	50,665	50,369	50,097	50,142	50,642	51,363	52,056
Unemployed .....	3,497	3,471	3,461	3,482	4,055	4,472	4,873	5,338	5,798	5,645	5,539	5,144	4,599
Unemployment rate .....	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.2	9.9	9.7	9.4	8.7	7.8
Not in labor force .....	14,940	14,965	15,003	15,375	15,548	15,597	15,529	15,645	15,770	16,226	16,078	16,035	16,308
<b>Women, 20 years and over</b>													
Civilian noninstitutional population <sup>1</sup> .....	80,616	80,966	81,312	81,675	82,036	82,368	82,703	83,037	83,346	83,594	83,900	84,227	84,554
Civilian labor force .....	41,483	42,048	42,536	42,455	42,894	43,141	43,662	43,949	44,053	44,247	44,442	44,868	44,971
Percent of population .....	51.5	51.9	52.3	52.0	52.3	52.4	52.8	52.9	52.9	52.9	53.0	53.3	53.2
Employed .....	38,707	39,264	39,717	39,568	39,798	39,869	40,099	40,268	40,108	40,313	40,654	41,324	41,717
Employment-population ratio <sup>2</sup> .....	48.0	48.5	48.8	48.4	48.5	48.4	48.5	48.5	48.1	48.2	48.5	49.1	49.3
Agriculture .....	618	600	596	609	612	613	601	596	599	630	620	607	629
Nonagricultural industries .....	38,089	38,664	39,121	38,959	39,186	39,256	39,497	39,671	39,509	39,683	40,034	40,717	41,088
Unemployed .....	2,776	2,783	2,819	2,887	3,095	3,272	3,563	3,881	3,945	3,934	3,788	3,545	3,254
Unemployment rate .....	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9	7.2
Not in labor force .....	39,133	38,918	38,776	39,220	39,142	39,227	39,041	39,088	39,233	39,347	39,458	39,359	39,583
<b>Both sexes, 16 to 19 years</b>													
Civilian noninstitutional population <sup>1</sup> .....	16,442	16,367	16,275	16,171	16,042	15,923	15,825	15,709	15,595	15,477	15,345	15,205	15,071
Civilian labor force .....	9,247	9,267	9,085	8,862	8,751	8,665	8,567	8,439	8,441	8,245	8,201	8,206	8,024
Percent of population .....	56.2	56.6	55.8	54.8	54.6	54.4	54.1	53.7	54.1	53.3	53.4	54.0	53.2
Employed .....	7,567	7,484	7,346	7,175	6,914	6,743	6,621	6,434	6,409	6,338	6,288	6,366	6,370
Employment-population ratio <sup>2</sup> .....	46.0	45.7	45.1	44.4	43.1	42.3	41.8	41.0	41.1	41.0	41.0	41.9	42.3
Agriculture .....	403	402	419	362	351	371	362	369	418	356	342	336	293
Nonagricultural industries .....	7,164	7,082	6,927	6,813	6,563	6,372	6,259	6,064	5,991	5,982	5,946	6,030	6,077
Unemployed .....	1,680	1,783	1,739	1,868	1,838	1,922	1,946	2,005	2,032	1,907	1,912	1,840	1,654
Unemployment rate .....	18.2	19.2	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6
Not in labor force .....	7,195	7,100	7,190	7,309	7,291	7,258	7,258	7,270	7,154	7,232	7,144	6,999	7,047

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

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

NOTE: Data in this table have been revised. 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 race, sex, age, and Hispanic origin, seasonally adjusted**

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>WHITE</b>													
Civilian noninstitutional population <sup>1</sup> .....	146,889	147,148	147,671	148,164	148,650	148,943	149,309	149,586	149,927	150,233	150,666	150,994	151,327
Civilian labor force .....	93,947	94,741	95,229	94,911	95,310	95,594	96,237	96,354	96,521	96,263	96,719	97,420	97,541
Percent of population .....	64.0	64.4	64.5	64.1	64.1	64.2	64.5	64.4	64.4	64.1	64.2	64.5	64.5
Employed .....	87,829	88,510	89,080	88,815	88,403	88,150	88,239	87,840	87,368	87,459	88,231	89,485	90,353
Employment-population ratio <sup>2</sup> .....	59.8	60.2	60.3	59.9	59.5	59.2	59.1	58.7	58.3	58.2	58.6	59.3	59.7
Unemployed .....	6,118	6,232	6,149	6,096	6,907	7,445	7,998	8,514	9,153	8,804	8,488	7,935	7,187
Unemployment rate .....	6.5	6.6	6.5	6.4	7.2	7.8	8.3	8.8	9.5	9.1	8.8	8.1	7.4
<b>Men, 20 years and over</b>													
Civilian labor force .....	50,240	50,486	50,732	50,655	50,805	50,970	51,215	51,315	51,434	51,243	51,620	51,887	51,995
Percent of population .....	79.6	79.8	79.8	79.3	79.2	79.2	79.3	79.2	79.2	78.6	78.8	79.0	78.9
Employed .....	47,475	47,729	48,035	47,978	47,827	47,486	47,404	47,102	46,839	46,836	47,340	47,895	48,377
Employment-population ratio <sup>2</sup> .....	75.2	75.4	75.6	75.1	74.2	73.8	73.4	72.7	72.1	71.8	72.2	72.9	73.4
Unemployed .....	2,765	2,757	2,697	2,677	3,178	3,484	3,810	4,213	4,595	4,407	4,280	3,992	3,618
Unemployment rate .....	5.5	5.5	5.3	5.3	6.3	6.8	7.4	8.2	8.9	8.6	8.3	7.7	7.0
<b>Women, 20 years and over</b>													
Civilian labor force .....	35,515	36,058	36,477	36,373	36,752	36,979	37,420	37,614	37,684	37,722	37,909	38,328	38,494
Percent of population .....	50.7	51.3	51.7	51.4	51.7	51.8	52.3	52.4	52.3	52.2	52.3	52.7	52.7
Employed .....	33,465	33,971	34,386	34,270	34,460	34,516	34,752	34,850	34,711	34,821	35,147	35,756	36,162
Employment-population ratio <sup>2</sup> .....	47.8	48.4	48.8	48.4	48.4	48.4	48.5	48.5	48.2	48.2	48.5	49.2	49.5
Unemployed .....	2,050	2,087	2,091	2,104	2,293	2,463	2,668	2,764	2,973	2,901	2,762	2,572	2,333
Unemployment rate .....	5.8	5.8	5.7	5.8	6.2	6.7	7.1	7.3	7.9	7.7	7.3	6.7	6.1
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	8,193	8,198	8,019	7,883	7,753	7,645	7,602	7,425	7,403	7,299	7,190	7,205	7,051
Percent of population .....	59.6	60.0	59.1	58.5	58.0	57.8	57.9	57.0	57.3	56.9	56.6	57.4	56.7
Employed .....	6,890	6,809	6,659	6,568	6,316	6,148	6,083	5,888	5,818	5,802	5,745	5,834	5,815
Employment-population ratio <sup>2</sup> .....	50.1	49.9	49.0	48.8	47.3	46.5	46.3	45.2	45.0	45.3	45.2	46.5	46.8
Unemployed .....	1,303	1,388	1,360	1,315	1,437	1,497	1,520	1,537	1,585	1,497	1,445	1,371	1,236
Unemployment rate .....	15.9	16.9	17.0	16.7	18.5	19.6	20.0	20.7	21.4	20.5	20.1	19.0	17.5
Men .....	17.0	17.8	17.6	17.0	19.2	20.5	21.5	22.3	22.7	21.8	20.7	20.0	18.3
Women .....	14.7	15.9	16.3	16.4	17.8	18.5	18.4	19.0	20.0	19.1	19.4	18.0	16.7
<b>BLACK</b>													
Civilian noninstitutional population <sup>1</sup> .....	17,977	18,076	18,171	18,268	18,363	18,450	18,541	18,628	18,719	18,796	18,881	18,968	19,057
Civilian labor force .....	10,976	11,005	11,098	11,026	11,219	11,222	11,247	11,372	11,498	11,559	11,671	11,728	11,613
Percent of population .....	61.1	60.9	61.1	60.4	61.1	60.8	60.7	61.0	61.4	61.5	61.8	61.8	60.9
Employed .....	9,318	9,387	9,430	9,286	9,315	9,257	9,180	9,188	9,133	9,226	9,287	9,452	9,531
Employment-population ratio <sup>2</sup> .....	51.8	51.9	51.9	50.8	50.7	50.2	49.5	49.3	48.8	49.1	49.2	49.8	50.0
Unemployed .....	1,658	1,618	1,668	1,739	1,904	1,965	2,067	2,185	2,364	2,333	2,384	2,277	2,081
Unemployment rate .....	15.1	14.7	15.0	15.8	17.0	17.5	18.4	19.2	20.6	20.2	20.4	19.4	17.9
<b>Men, 20 years and over</b>													
Civilian labor force .....	5,154	5,171	5,222	5,221	5,286	5,307	5,343	5,368	5,466	5,461	5,533	5,577	5,545
Percent of population .....	74.7	74.5	74.8	74.3	74.7	74.5	74.6	74.5	75.4	74.9	75.4	75.5	74.6
Employed .....	4,505	4,549	4,548	4,511	4,471	4,438	4,441	4,402	4,376	4,407	4,457	4,578	4,677
Employment-population ratio <sup>2</sup> .....	65.3	65.5	65.1	64.2	63.2	62.3	62.0	61.1	60.4	60.5	60.8	62.0	62.9
Unemployed .....	649	622	673	709	816	868	901	966	1,090	1,054	1,075	998	868
Unemployment rate .....	12.6	12.0	12.9	13.6	15.4	16.4	16.9	18.0	19.9	19.3	19.4	17.9	15.7
<b>Women, 20 years and over</b>													
Civilian labor force .....	4,935	4,934	4,991	4,994	5,083	5,069	5,119	5,173	5,200	5,309	5,301	5,329	5,283
Percent of population .....	56.2	55.8	56.1	55.8	56.4	55.9	56.1	56.4	56.4	57.3	56.9	56.9	56.1
Employed .....	4,276	4,302	4,341	4,304	4,370	4,353	4,341	4,360	4,332	4,395	4,404	4,464	4,449
Employment-population ratio <sup>2</sup> .....	48.7	48.7	48.8	48.1	48.5	48.0	47.6	47.5	47.0	47.5	47.3	47.7	47.2
Unemployed .....	659	633	650	690	713	716	777	813	868	914	898	865	834
Unemployment rate .....	13.4	12.8	13.0	13.8	14.0	14.1	15.2	15.7	16.7	17.2	16.9	16.2	15.8

See footnotes at end of table.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>BLACK—Continued</b>													
<b>Both sexes, 16 to 19 years</b>													
Civilian labor force .....	887	900	885	811	850	848	786	831	831	789	837	823	785
Percent of population .....	38.7	39.2	38.6	35.5	37.3	37.4	34.8	37.0	37.0	35.1	37.5	37.1	35.6
Employed .....	537	536	540	471	475	466	397	425	425	424	426	409	406
Employment-population ratio <sup>2</sup> .....	23.4	23.4	23.5	20.6	20.9	20.6	17.6	18.9	18.9	18.9	19.1	18.4	18.4
Unemployed .....	350	363	345	340	375	380	388	406	406	385	411	414	379
Unemployment rate .....	39.4	40.4	39.0	41.9	44.1	44.9	49.4	48.8	48.9	48.2	49.1	50.3	48.3
Men .....	39.8	40.2	39.3	41.9	41.3	44.2	51.0	48.5	51.7	47.3	50.5	51.5	45.6
Women .....	39.0	40.5	38.6	42.0	47.2	45.7	47.6	49.2	45.7	45.0	47.6	48.8	51.4
<b>HISPANIC ORIGIN</b>													
Civilian noninstitutional population <sup>1</sup> .....	9,132	9,113	9,199	9,383	9,545	9,346	9,320	9,558	9,377	9,416	9,717	9,677	9,719
Civilian labor force .....	5,881	5,931	5,914	5,922	6,124	6,045	5,945	5,990	5,968	6,019	6,167	6,148	6,221
Percent of population .....	64.2	65.1	64.3	63.1	64.2	64.7	63.8	62.7	63.6	63.9	63.5	63.5	64.0
Employed .....	5,263	5,285	5,329	5,339	5,440	5,310	5,150	5,125	5,052	5,083	5,293	5,360	5,467
Employment-population ratio <sup>2</sup> .....	57.6	58.0	57.9	56.9	57.0	56.8	55.3	53.6	53.9	54.0	54.5	55.4	56.3
Unemployed .....	598	646	585	583	684	735	796	866	916	936	874	785	754
Unemployment rate .....	10.2	10.9	9.9	9.8	11.2	12.2	13.4	14.5	15.3	15.6	14.2	12.8	12.1

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

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

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

sum to totals because data for the "other races" group are not presented and Hispanics are included in both the white and black population groups. Data in this table have been revised. See the article in this issue for additional information.

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Full- and part-time status, sex and age	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>FULL TIME</b>													
<b>Total:</b>													
Civilian labor force .....	91,900	92,493	92,902	92,844	93,446	93,630	94,195	94,485	94,995	95,002	95,620	96,026	96,141
Employed <sup>1</sup> .....	85,284	85,912	86,335	88,288	85,952	85,582	85,442	85,186	84,930	85,195	86,096	87,127	88,182
Unemployed .....	6,616	6,580	6,567	6,556	7,494	8,048	8,753	9,299	10,064	9,807	9,524	8,899	7,959
Unemployment rate .....	7.2	7.1	7.1	7.1	8.0	8.6	9.3	9.8	10.6	10.3	10.0	9.3	8.3
<b>Men, 20 years and over:</b>													
Civilian labor force .....	53,861	54,057	54,397	54,291	54,496	54,626	54,954	55,054	55,305	55,073	55,594	55,865	55,869
Employed <sup>1</sup> .....	50,529	50,805	51,132	51,048	50,665	50,413	50,330	49,989	49,758	49,723	50,333	50,999	51,523
Unemployed .....	3,332	3,251	3,265	3,243	3,831	4,213	4,624	5,065	5,547	5,350	5,261	4,867	4,346
Unemployment rate .....	6.2	6.0	6.0	6.0	7.0	7.7	8.4	9.2	10.0	9.7	9.5	8.7	7.8
<b>Women, 20 years and over:</b>													
Civilian labor force .....	33,125	33,572	33,778	33,844	34,310	34,434	34,886	35,108	35,262	35,601	35,721	35,989	36,090
Employed <sup>1</sup> .....	30,821	31,252	31,475	31,487	31,712	31,716	31,898	32,041	31,932	32,271	32,541	33,007	33,417
Unemployed .....	2,304	2,320	2,304	2,357	2,598	2,718	2,988	3,067	3,331	3,330	3,180	2,982	2,673
Unemployment rate .....	7.0	6.9	6.8	7.0	7.6	7.9	8.6	8.7	9.4	9.4	8.9	8.3	7.4
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	4,914	4,864	4,727	4,709	4,640	4,570	4,355	4,322	4,428	4,328	4,305	4,171	4,183
Employed <sup>1</sup> .....	3,935	3,855	3,729	3,753	3,575	3,454	3,215	3,156	3,241	3,201	3,221	3,121	3,243
Unemployed .....	980	1,009	998	956	1,065	1,117	1,140	1,166	1,187	1,127	1,084	1,050	940
Unemployment rate .....	19.9	20.7	21.1	20.3	23.0	24.4	26.2	27.0	26.8	26.0	25.2	25.2	22.5
<b>PART TIME</b>													
<b>Total:</b>													
Civilian labor force .....	15,520	15,743	15,964	15,687	15,600	15,750	16,011	16,066	15,863	15,661	15,648	16,072	15,908
Employed <sup>1</sup> .....	14,166	14,310	14,491	14,189	14,089	14,163	14,366	14,337	14,122	14,020	13,917	14,441	14,342
Unemployed .....	1,354	1,433	1,472	1,498	1,510	1,586	1,645	1,729	1,742	1,640	1,731	1,631	1,567
Unemployment rate .....	8.7	9.1	9.2	9.5	9.7	10.1	10.3	10.8	11.0	10.5	11.1	10.2	9.8
<b>Men, 20 years and over:</b>													
Civilian labor force .....	2,851	2,905	2,874	2,876	2,886	2,966	3,026	3,080	3,050	3,102	3,053	3,120	3,158
Employed <sup>1</sup> .....	2,669	2,701	2,669	2,641	2,647	2,723	2,769	2,812	2,774	2,828	2,767	2,849	2,892
Unemployed .....	182	203	205	235	239	243	257	269	276	274	287	272	266
Unemployment rate .....	6.4	7.0	7.1	8.2	8.3	8.2	8.5	8.7	9.1	8.8	9.4	8.7	8.4
<b>Women, 20 years and over:</b>													
Civilian labor force .....	8,347	8,478	8,742	8,634	8,581	8,707	8,756	8,865	8,786	8,649	8,702	8,898	8,880
Employed <sup>1</sup> .....	7,879	8,013	8,224	8,099	8,089	8,157	8,182	8,237	8,176	8,049	8,093	8,323	8,304
Unemployed .....	468	465	518	536	493	550	574	628	610	600	609	575	575
Unemployment rate .....	5.6	5.5	5.9	6.2	5.7	6.3	6.6	7.1	6.9	6.9	7.0	6.5	6.5
<b>Both sexes, 16 to 19 years:</b>													
Civilian labor force .....	4,322	4,360	4,348	4,176	4,133	4,077	4,229	4,121	4,027	3,910	3,892	4,054	3,871
Employed <sup>1</sup> .....	3,618	3,595	3,599	3,449	3,354	3,283	3,415	3,288	3,172	3,144	3,057	3,269	3,145
Unemployed .....	704	765	749	727	779	794	814	832	856	766	835	785	726
Unemployment rate .....	16.3	17.5	17.2	17.4	18.8	19.5	19.3	20.2	21.2	19.6	21.5	19.4	18.7

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

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Category	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>CHARACTERISTIC</b>													
Total .....	99,472	100,259	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506
Married men, spouse present .....	38,908	39,057	39,096	38,819	38,547	38,329	38,287	38,032	37,642	37,511	37,710	38,256	38,374
Married women, spouse present .....	23,567	23,900	24,091	23,868	23,811	23,866	24,148	24,145	24,055	24,177	24,360	24,815	25,050
Women who maintain families .....	4,818	4,910	5,042	4,977	5,061	5,102	5,091	5,170	5,033	5,046	4,996	5,097	5,221
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>													
<b>Agriculture:</b>													
Wage and salary workers .....	1,442	1,440	1,510	1,460	1,440	1,423	1,477	1,517	1,592	1,597	1,597	1,610	1,499
Self-employed workers .....	1,850	1,648	1,645	1,632	1,628	1,646	1,658	1,622	1,619	1,578	1,581	1,551	1,552
Unpaid family workers .....	314	287	266	250	272	323	259	250	233	242	235	242	239
<b>Nonagricultural industries:</b>													
Wage and salary workers .....	88,549	89,360	89,999	89,649	89,152	88,801	88,733	88,442	87,879	87,953	88,773	90,154	91,044
Government .....	15,934	15,937	15,800	15,532	15,487	15,536	15,518	15,558	15,460	15,472	15,523	15,608	15,548
Private industries .....	72,616	73,423	74,199	74,117	73,665	73,265	73,216	72,884	72,419	72,481	73,250	74,546	75,498
Private households .....	1,177	1,219	1,212	1,177	1,230	1,215	1,204	1,203	1,210	1,212	1,251	1,275	1,245
Other industries .....	71,439	72,204	72,988	72,940	72,435	72,050	72,012	71,681	71,209	71,269	71,999	73,271	74,251
Self-employed workers .....	7,109	7,077	7,077	7,108	7,118	7,080	7,280	7,342	7,336	7,433	7,487	7,831	7,743
Unpaid family workers .....	401	394	358	394	415	419	406	395	381	357	350	359	443
<b>PERSONS AT WORK<sup>1</sup></b>													
Nonagricultural industries .....	90,518	91,415	91,515	91,474	91,166	90,606	91,067	90,482	90,124	90,484	91,405	92,467	93,760
Full-time schedules .....	73,868	74,531	74,612	74,507	73,731	72,951	72,673	71,952	71,412	71,834	73,196	74,003	75,416
Part time for economic reasons .....	4,204	4,250	4,193	4,508	5,076	5,322	5,744	5,983	6,385	6,403	5,976	5,864	5,761
Usually work full time .....	1,654	1,642	1,802	1,726	2,005	2,027	2,227	2,210	2,234	2,044	1,804	1,765	1,689
Usually work part time .....	2,551	2,608	2,591	2,782	3,071	3,295	3,517	3,773	4,151	4,359	4,172	4,100	4,092
Part time for noneconomic reasons .....	12,445	12,635	12,710	12,459	12,360	12,333	12,650	12,547	12,327	12,247	12,234	12,600	12,583

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

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

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

(In thousands)

Sex and age	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>Total, 16 years and over</b> .....	99,472	100,259	100,850	100,452	100,021	99,749	99,810	99,493	99,054	99,214	100,037	101,528	102,506
16 to 24 years .....	21,668	21,672	21,504	21,313	20,913	20,585	20,404	20,045	19,932	19,859	19,911	20,201	20,287
16 to 19 years .....	7,567	7,484	7,346	7,175	6,914	6,743	6,621	6,434	6,409	6,338	6,288	6,366	6,370
16 to 17 years .....	3,009	2,977	2,901	2,855	2,735	2,657	2,557	2,407	2,399	2,358	2,298	2,311	2,315
18 to 19 years .....	4,557	4,494	4,446	4,308	4,185	4,083	4,071	4,027	3,992	3,984	3,999	4,047	4,056
20 to 24 years .....	14,101	14,187	14,158	14,139	13,999	13,842	13,784	13,611	13,523	13,520	13,622	13,835	13,896
25 years and over .....	77,789	78,583	79,347	79,153	79,097	79,155	79,403	79,471	79,119	79,347	80,115	81,350	82,237
25 to 54 years .....	63,357	64,064	64,727	64,740	64,772	64,852	65,003	65,080	64,863	65,132	65,989	67,092	67,876
55 years and over .....	14,434	14,508	14,617	14,421	14,332	14,278	14,405	14,400	14,259	14,185	14,139	14,274	14,358
<b>Men, 16 years and over</b> .....	57,163	57,460	57,651	57,487	56,986	56,676	56,506	56,067	55,834	55,830	56,373	57,140	57,768
16 to 24 years .....	11,450	11,492	11,386	11,326	11,072	10,855	10,655	10,416	10,393	10,345	10,458	10,602	10,709
16 to 19 years .....	3,965	3,950	3,864	3,778	3,676	3,540	3,415	3,275	3,297	3,267	3,278	3,301	3,350
16 to 17 years .....	1,603	1,581	1,519	1,526	1,481	1,406	1,355	1,228	1,238	1,245	1,196	1,208	1,204
18 to 19 years .....	2,355	2,359	2,349	2,253	2,193	2,126	2,067	2,058	2,037	2,025	2,088	2,097	2,136
20 to 24 years .....	7,484	7,542	7,522	7,548	7,395	7,315	7,240	7,141	7,096	7,077	7,180	7,301	7,359
25 years and over .....	45,700	45,962	46,275	46,161	45,905	45,814	45,862	45,854	45,437	45,482	45,922	46,536	47,058
25 to 54 years .....	36,907	37,160	37,479	37,481	37,286	37,239	37,242	37,106	36,959	37,055	37,520	38,059	38,547
55 years and over .....	8,782	8,809	8,799	8,678	8,601	8,575	8,626	8,552	8,471	8,424	8,408	8,483	8,503
<b>Women, 16 years and over</b> .....	42,309	42,799	43,199	42,965	43,036	43,072	43,304	43,426	43,220	43,384	43,664	44,389	44,737
16 to 24 years .....	10,218	10,180	10,117	9,987	9,841	9,730	9,750	9,629	9,539	9,514	9,453	9,599	9,557
16 to 19 years .....	3,602	3,535	3,482	3,397	3,237	3,203	3,206	3,158	3,112	3,071	3,010	3,065	3,020
16 to 17 years .....	1,406	1,396	1,383	1,329	1,254	1,251	1,202	1,179	1,161	1,113	1,102	1,104	1,111
18 to 19 years .....	2,201	2,134	2,097	2,055	1,993	1,957	2,004	1,970	1,955	1,959	1,911	1,951	1,920
20 to 24 years .....	6,616	6,645	6,636	6,590	6,604	6,527	6,544	6,470	6,427	6,443	6,443	6,534	6,537
25 years and over .....	32,088	32,621	33,072	32,991	33,193	33,341	33,541	33,817	33,682	33,865	34,193	34,815	35,179
25 to 54 years .....	26,450	26,904	27,248	27,259	27,476	27,613	27,761	27,974	27,904	28,077	28,469	29,032	29,329
55 years and over .....	5,652	5,699	5,818	5,743	5,731	5,702	5,779	5,849	5,788	5,761	5,731	5,792	5,855

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over .....	7,953	8,037	8,019	8,057	8,988	9,665	10,382	11,024	11,775	11,486	11,240	10,529	9,507
16 to 24 years .....	3,598	3,682	3,724	3,622	3,930	4,148	4,290	4,435	4,624	4,449	4,344	4,096	3,718
16 to 19 years .....	1,680	1,783	1,739	1,688	1,838	1,922	1,946	2,005	2,032	1,907	1,912	1,840	1,654
16 to 17 years .....	781	821	796	736	771	797	813	844	870	770	795	755	688
18 to 19 years .....	907	959	946	943	1,076	1,122	1,133	1,152	1,175	1,132	1,116	1,075	980
20 to 24 years .....	1,918	1,899	1,985	1,934	2,093	2,226	2,344	2,430	2,592	2,542	2,432	2,256	2,065
25 years and over .....	4,349	4,361	4,300	4,427	5,057	5,518	6,104	6,582	7,155	7,031	6,908	6,427	5,796
25 to 54 years .....	3,844	3,823	3,787	3,886	4,476	4,860	5,338	5,804	6,315	6,216	6,067	5,662	5,068
55 years and over .....	507	540	502	545	584	657	748	793	848	813	816	783	745
Men, 16 years and over .....	4,449	4,462	4,412	4,392	5,050	5,522	5,958	6,434	6,927	6,704	6,578	6,166	5,491
16 to 24 years .....	2,075	2,098	2,106	2,002	2,222	2,361	2,450	2,533	2,665	2,534	2,485	2,359	2,083
16 to 19 years .....	952	991	951	910	995	1,050	1,086	1,095	1,129	1,059	1,039	1,022	892
16 to 17 years .....	438	456	449	400	418	443	463	473	495	418	432	419	363
18 to 19 years .....	515	532	507	505	580	602	627	617	639	635	612	597	535
20 to 24 years .....	1,123	1,106	1,155	1,092	1,227	1,311	1,364	1,438	1,536	1,475	1,445	1,337	1,191
25 years and over .....	2,370	2,368	2,313	2,387	2,828	3,159	3,518	3,898	4,269	4,160	4,100	3,804	3,417
25 to 54 years .....	2,080	2,059	2,007	2,078	2,481	2,757	3,065	3,426	3,722	3,641	3,571	3,321	2,936
55 years and over .....	298	305	299	315	349	400	442	482	547	519	519	493	484
Women, 16 years and over .....	3,504	3,575	3,607	3,665	3,938	4,143	4,424	4,591	4,848	4,782	4,661	4,363	4,015
16 to 24 years .....	1,524	1,584	1,619	1,620	1,709	1,787	1,840	1,902	1,959	1,914	1,860	1,737	1,635
16 to 19 years .....	728	792	788	778	843	871	861	910	903	848	873	818	761
16 to 17 years .....	343	365	346	338	353	354	350	371	375	353	363	336	325
18 to 19 years .....	391	427	439	438	496	520	506	534	536	497	504	477	445
20 to 24 years .....	795	793	831	842	866	915	979	992	1,056	1,067	987	919	874
25 years and over .....	1,979	1,994	1,987	2,040	2,229	2,360	2,586	2,684	2,886	2,871	2,809	2,623	2,379
25 to 54 years .....	1,764	1,763	1,780	1,809	1,995	2,103	2,273	2,379	2,593	2,574	2,496	2,341	2,132
55 years and over .....	209	235	204	229	235	257	306	311	301	294	297	290	261

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

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

(Civilian workers)

Sex and age	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over .....	7.4	7.4	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5
16 to 24 years .....	14.2	14.5	14.8	14.5	15.8	16.8	17.4	18.1	18.8	18.3	17.9	16.9	15.5
16 to 19 years .....	18.2	19.2	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6
16 to 17 years .....	20.8	21.8	21.5	20.5	22.0	23.1	24.1	26.0	26.6	24.6	25.7	24.6	22.9
18 to 19 years .....	16.6	17.6	17.5	18.0	20.5	21.6	21.8	22.2	22.7	22.1	21.8	21.0	19.5
20 to 24 years .....	12.0	11.8	12.3	12.0	13.0	13.9	14.5	15.1	16.1	15.8	15.1	14.0	12.9
25 years and over .....	5.3	5.3	5.1	5.3	6.0	6.5	7.1	7.6	8.3	8.1	7.9	7.3	6.6
25 to 54 years .....	5.7	5.6	5.5	5.7	6.5	7.0	7.6	8.2	8.9	8.7	8.4	7.8	6.9
55 years and over .....	3.4	3.6	3.3	3.6	3.9	4.4	4.9	5.2	5.6	5.4	5.5	5.2	4.9
Men, 16 years and over .....	7.2	7.2	7.1	7.1	8.1	8.9	9.5	10.3	11.0	10.7	10.4	9.7	8.7
16 to 24 years .....	15.3	15.4	15.6	15.0	16.7	17.9	18.7	19.6	20.4	19.7	19.2	18.2	16.3
16 to 19 years .....	19.4	20.1	19.8	19.4	21.3	22.9	24.1	25.1	25.5	24.5	24.1	23.6	21.0
16 to 17 years .....	21.5	22.4	22.8	20.8	22.0	24.0	25.5	27.8	28.6	25.1	26.5	25.8	23.2
18 to 19 years .....	18.0	18.4	17.8	18.3	20.9	22.1	23.3	23.1	23.9	23.9	22.7	22.2	20.0
20 to 24 years .....	13.0	12.8	13.3	12.6	14.2	15.2	15.9	16.8	17.8	17.2	16.8	15.5	13.9
25 years and over .....	4.9	4.9	4.8	4.9	5.8	6.4	7.1	7.9	8.6	8.4	8.2	7.6	6.8
25 to 54 years .....	5.3	5.3	5.1	5.3	6.2	6.9	7.6	8.5	9.1	8.9	8.7	8.0	7.1
55 years and over .....	3.3	3.3	3.3	3.5	3.9	4.5	4.9	5.3	6.1	5.8	5.8	5.5	5.4
Women, 16 years and over .....	7.6	7.7	7.7	7.9	8.4	8.8	9.3	9.6	10.1	9.9	9.6	8.9	8.2
16 to 24 years .....	13.0	13.5	13.8	14.0	14.8	15.5	15.9	16.5	17.0	16.8	16.4	15.3	14.6
16 to 19 years .....	16.8	18.3	18.5	18.6	20.7	21.4	21.2	22.4	22.5	21.6	22.5	21.1	20.1
16 to 17 years .....	19.6	20.7	20.0	20.2	22.0	22.0	22.6	23.9	24.4	24.1	24.8	23.3	22.6
18 to 19 years .....	15.1	16.7	17.3	17.6	19.9	21.0	20.2	21.3	21.5	20.2	20.9	19.7	18.8
20 to 24 years .....	10.7	10.7	11.1	11.3	11.6	12.3	13.0	13.3	14.1	14.2	13.3	12.3	11.8
25 years and over .....	5.8	5.8	5.7	5.8	6.3	6.6	7.2	7.4	7.9	7.8	7.6	7.0	6.3
25 to 54 years .....	6.3	6.2	6.1	6.2	6.8	7.1	7.6	7.8	8.5	8.4	8.1	7.5	6.8
55 years and over .....	3.6	4.0	3.4	3.8	3.9	4.3	5.0	5.0	4.9	4.9	4.9	4.8	4.3

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Unemployment rates)

Category	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>CHARACTERISTIC</b>													
Total (all civilian workers) .....	7.4	7.4	7.4	7.4	8.2	8.8	9.4	10.0	10.6	10.4	10.1	9.4	8.5
Men, 20 years and over .....	6.2	6.1	6.0	6.1	7.1	7.8	8.4	9.2	9.9	9.7	9.4	8.7	7.8
Women, 20 years and over .....	6.7	6.6	6.6	6.8	7.2	7.6	8.2	8.4	9.0	8.9	8.5	7.9	7.2
Both sexes, 16 to 19 years .....	18.2	19.2	19.1	19.0	21.0	22.2	22.7	23.8	24.1	23.1	23.3	22.4	20.6
White .....	6.5	6.6	6.5	6.4	7.2	7.8	8.3	8.8	9.5	9.1	8.8	8.1	7.4
Black and other .....	13.8	13.3	13.6	14.4	15.4	16.1	16.9	17.7	18.7	18.5	18.6	17.7	16.4
Black .....	15.1	14.7	15.0	15.8	17.0	17.5	18.4	19.2	20.6	20.2	20.4	19.4	17.9
Hispanic origin .....	10.2	10.9	9.9	9.8	11.2	12.2	13.4	14.5	15.3	15.6	14.2	12.8	12.1
Married men, spouse present .....	4.3	4.2	4.0	4.1	5.0	5.5	6.2	6.9	7.5	7.2	6.9	6.2	5.5
Married women, spouse present .....	5.8	5.9	5.7	5.8	6.9	6.8	7.3	7.4	8.1	7.7	7.5	6.9	6.2
Women who maintain families .....	10.1	10.0	10.2	10.7	10.7	10.5	11.7	12.1	12.5	13.2	12.7	11.9	11.0
Full-time workers .....	7.2	7.1	7.1	7.1	8.0	8.6	9.3	9.8	10.6	10.3	10.0	9.3	8.3
Part-time workers .....	8.7	9.1	9.2	9.5	9.7	10.1	10.3	10.8	11.0	10.5	11.1	10.2	9.8
Unemployed 15 weeks and over <sup>1</sup> .....	2.2	2.2	2.1	2.1	2.1	2.5	3.0	3.4	4.0	4.2	4.0	3.7	3.1
Labor force time lost <sup>2</sup> .....	8.2	8.2	8.2	8.3	9.3	10.0	10.6	11.3	12.1	11.8	11.4	10.6	9.7
<b>INDUSTRY</b>													
Nonagricultural private wage and salary workers .....	7.7	7.5	7.4	7.5	8.4	9.1	9.9	10.4	11.3	10.8	10.3	9.6	8.6
Mining .....	8.4	5.8	5.5	5.7	7.3	8.8	11.8	16.4	18.2	18.6	19.7	16.1	12.4
Construction .....	14.1	14.2	15.4	15.7	17.6	18.5	19.1	20.8	22.1	20.1	19.5	18.0	15.9
Manufacturing .....	8.8	8.3	7.6	7.6	9.4	10.5	11.7	12.9	14.2	13.0	12.1	10.7	8.9
Durable goods .....	8.9	8.3	7.4	7.3	9.5	11.0	12.5	14.0	16.1	14.5	13.2	11.3	9.2
Nondurable goods .....	8.6	8.3	8.0	8.0	9.2	9.9	10.6	11.4	11.4	10.9	10.5	9.8	8.6
Transportation and public utilities .....	5.1	5.6	5.3	4.6	5.4	5.9	6.7	7.0	6.1	7.8	7.6	7.5	6.8
Wholesale and retail trade .....	8.0	7.6	7.8	8.2	8.7	9.3	10.0	10.1	10.7	10.9	10.2	9.7	9.2
Finance and service industries .....	5.5	5.8	5.8	5.8	6.2	6.4	6.9	6.9	7.6	7.4	7.3	7.2	6.7
Agricultural wage and salary workers .....	10.7	11.7	10.8	11.9	13.9	14.1	15.7	14.5	15.0	16.0	16.7	15.5	15.8

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

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force

hours.

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

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

(Numbers in thousands)

Weeks of unemployment	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>DURATION</b>													
Less than 5 weeks .....	3,162	3,307	3,310	3,379	3,805	3,870	3,823	3,944	3,913	3,622	3,598	3,634	3,405
5 to 14 weeks .....	2,423	2,395	2,484	2,465	2,815	3,108	3,330	3,373	3,454	3,224	3,034	2,859	2,615
15 weeks and over .....	2,349	2,332	2,233	2,228	2,343	2,698	3,270	3,735	4,449	4,608	4,464	4,122	3,517
15 to 26 weeks .....	1,233	1,091	1,100	1,106	1,190	1,431	1,632	1,831	2,053	1,914	1,686	1,591	1,331
27 weeks and over .....	1,116	1,241	1,133	1,122	1,153	1,267	1,638	1,905	2,396	2,693	2,778	2,530	2,186
Average (mean) duration, in weeks .....	13.5	14.1	13.7	13.9	13.3	13.8	15.1	16.0	17.7	19.2	20.3	20.5	20.0
Median duration, in weeks .....	7.6	7.2	6.9	7.1	6.9	7.5	8.5	8.9	10.1	10.5	11.2	9.6	9.3
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	39.9	41.2	41.2	41.9	42.5	40.0	36.7	35.7	33.1	31.6	32.4	34.2	35.7
5 to 14 weeks .....	30.5	29.8	30.9	30.5	31.4	32.1	31.9	30.5	29.2	28.1	27.3	26.9	27.4
15 weeks and over .....	29.6	29.0	27.8	27.6	26.1	27.9	31.4	33.8	37.6	40.2	40.2	38.8	38.9
15 to 26 weeks .....	15.5	13.6	13.7	13.7	13.3	14.8	15.7	16.6	17.4	16.7	15.2	15.0	14.0
27 weeks and over .....	14.1	15.4	14.1	13.9	12.9	13.1	15.7	17.2	20.3	23.5	25.0	23.8	22.9

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

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

(Numbers in thousands)

Reasons for unemployment	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>NUMBER OF UNEMPLOYED</b>													
Job losers .....	4,217	4,058	4,026	4,160	4,830	5,412	5,999	6,560	7,278	6,841	6,682	6,102	5,281
On layoff .....	1,461	1,342	1,331	1,322	1,721	1,864	2,021	2,303	2,422	2,080	1,926	1,652	1,332
Other job losers .....	2,756	2,716	2,695	2,838	3,109	3,548	3,978	4,256	4,856	4,761	4,756	4,450	3,949
Job leavers .....	887	903	929	927	933	878	872	817	801	848	808	803	863
Reentrants .....	1,975	2,060	2,059	2,049	2,250	2,218	2,388	2,447	2,501	2,507	2,444	2,419	2,273
New entrants .....	906	1,000	973	935	1,011	1,092	1,108	1,265	1,275	1,190	1,303	1,226	1,144
<b>PERCENT DISTRIBUTION</b>													
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	52.8	50.6	50.4	51.5	53.5	56.4	57.9	59.2	61.4	60.1	59.5	57.8	55.2
On layoff .....	18.3	16.7	16.7	16.4	19.1	19.4	19.5	20.8	20.4	18.3	17.1	15.7	13.9
Other job losers .....	34.5	33.9	33.7	35.2	34.4	37.0	38.4	38.4	41.0	41.8	42.3	42.2	41.3
Job leavers .....	11.1	11.3	11.6	11.5	10.3	9.1	8.4	7.4	6.8	7.4	7.2	7.6	9.0
Reentrants .....	24.7	25.7	25.8	25.4	24.9	23.1	23.0	22.1	21.1	22.0	21.7	22.9	23.8
New entrants .....	11.3	12.5	12.2	11.6	11.2	11.4	10.7	11.4	10.8	10.4	11.6	11.6	12.0
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>													
Job losers .....	3.9	3.7	3.7	3.8	4.4	4.9	5.4	5.9	6.6	6.2	6.0	5.4	4.7
Job leavers .....	.8	.8	.9	.9	.9	.8	.8	.7	.7	.8	.7	.7	.8
Reentrants .....	1.8	1.9	1.9	1.9	2.1	2.0	2.2	2.2	2.3	2.3	2.2	2.2	2.0
New entrants .....	.8	.9	.9	.9	.9	1.0	1.0	1.1	1.2	1.1	1.2	1.1	1.0

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

**HOUSEHOLD DATA  
SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Reason, sex, and race	1980	1981				1982				1983			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
<b>TOTAL</b>													
Total not in labor force .....	61,269	60,983	60,968	61,904	61,981	62,083	61,828	62,005	62,217	62,805	62,680	62,392	62,938
Do not want a job now .....	55,578	55,193	55,608	56,192	55,936	55,987	55,693	55,447	55,326	56,104	55,986	55,690	56,526
Current activity:													
Going to school .....	6,354	6,315	6,646	6,585	6,518	6,343	6,810	6,399	6,441	6,607	6,399	6,462	6,540
Ill, disabled .....	4,344	4,217	4,232	4,346	4,277	4,084	4,030	4,040	3,988	3,975	4,064	3,804	3,814
Keeping house .....	29,492	28,780	28,810	29,010	28,541	28,925	28,324	26,267	28,134	28,350	28,281	28,267	28,539
Retired .....	11,171	11,496	11,762	11,934	12,108	12,073	12,187	12,491	12,567	12,987	13,003	12,892	13,196
Other activity .....	4,217	4,386	4,159	4,318	4,492	4,562	4,343	4,251	4,196	4,185	4,239	4,265	4,437
Want a job now .....	5,697	5,965	5,686	5,667	6,002	6,187	6,610	6,594	6,929	6,452	6,540	6,756	6,335
Reason not looking:													
School attendance .....	1,507	1,575	1,559	1,501	1,564	1,636	1,734	1,746	1,851	1,641	1,518	1,832	1,538
Ill health, disability .....	713	805	734	691	840	771	788	760	761	656	701	841	868
Home responsibilities .....	1,228	1,299	1,258	1,164	1,401	1,359	1,450	1,371	1,390	1,390	1,436	1,442	1,364
Think cannot get a job .....	1,049	1,098	1,050	1,110	1,171	1,337	1,504	1,641	1,813	1,765	1,726	1,610	1,457
Job-market factors .....	726	817	728	822	889	1,026	1,090	1,238	1,393	1,408	1,316	1,197	1,046
Personal factors .....	323	281	322	288	282	311	414	404	420	357	411	413	411
Other reasons <sup>1</sup> .....	1,200	1,188	1,084	1,182	1,026	1,083	1,135	1,075	1,113	1,000	1,159	1,032	1,089
<b>Men</b>													
Total not in labor force .....	18,231	18,189	18,312	18,763	18,882	18,953	18,935	19,129	19,151	19,657	19,455	19,337	19,626
Do not want a job now .....	16,384	16,323	16,624	16,931	16,870	16,815	16,985	17,024	16,880	17,227	17,187	16,968	17,473
Want a job now .....	1,840	1,946	1,862	1,813	2,000	2,085	2,162	2,276	2,361	2,187	2,203	2,409	2,173
Reason not looking:													
School attendance .....	748	802	774	710	788	884	908	931	1,001	869	775	1,079	826
Ill health, disability .....	295	379	334	311	413	325	338	334	299	289	308	379	380
Think cannot get a job .....	364	369	411	396	435	503	572	610	683	695	683	607	620
Other reasons <sup>1</sup> .....	433	396	342	397	364	372	344	401	379	334	436	345	346
<b>Women</b>													
Total not in labor force .....	43,038	42,793	42,656	43,141	43,099	43,130	42,893	42,876	43,065	43,148	43,226	43,056	43,311
Do not want a job now .....	39,194	38,870	38,985	39,261	39,067	39,172	38,707	38,423	38,446	38,877	38,799	38,723	39,053
Want a job now .....	3,856	4,019	3,824	3,854	4,002	4,102	4,448	4,318	4,568	4,265	4,338	4,347	4,162
Reason not looking:													
School attendance .....	759	773	785	791	776	752	826	815	850	772	743	753	711
Ill health, disability .....	418	426	400	380	427	446	450	426	463	367	393	462	488
Home responsibilities .....	1,228	1,299	1,258	1,184	1,401	1,359	1,450	1,371	1,390	1,390	1,436	1,442	1,384
Think cannot get a job .....	685	729	639	714	736	834	932	1,031	1,131	1,070	1,043	1,003	836
Other reasons <sup>1</sup> .....	766	792	742	785	662	711	791	674	734	666	723	687	743
<b>White</b>													
Total not in labor force .....	52,942	52,407	52,442	53,253	53,340	53,349	53,072	53,232	53,406	53,970	53,947	53,574	53,786
Do not want a job now .....	48,668	48,172	48,366	49,004	48,861	48,932	48,473	48,519	48,477	49,114	49,132	48,849	49,099
Want a job now .....	4,165	4,385	4,091	4,118	4,384	4,471	4,661	4,801	4,960	4,734	4,775	4,734	4,605
Reason not looking:													
School attendance .....	1,069	1,123	1,044	998	1,151	1,190	1,195	1,254	1,305	1,215	1,109	1,144	1,105
Ill health, disability .....	493	589	512	499	559	539	547	549	503	486	510	634	615
Home responsibilities .....	938	958	964	870	1,052	1,000	1,015	1,040	1,044	1,053	1,003	1,061	1,039
Think cannot get a job .....	682	751	699	751	801	877	982	1,083	1,252	1,194	1,245	1,076	974
Other reasons <sup>1</sup> .....	983	964	872	1,000	822	867	922	875	856	787	907	819	872
<b>Black</b>													
Total not in labor force .....	7,001	7,071	7,073	7,242	7,144	7,228	7,294	7,256	7,221	7,237	7,210	7,240	7,444
Do not want a job now .....	5,672	5,654	5,650	5,907	5,756	5,620	5,578	5,639	5,533	5,652	5,684	5,556	5,917
Want a job now .....	1,349	1,414	1,399	1,386	1,399	1,601	1,683	1,603	1,746	1,570	1,514	1,679	1,555
Reason not looking:													
School attendance .....	385	384	422	411	356	402	431	411	487	404	330	476	425
Ill health, disability .....	178	218	216	192	224	237	223	216	210	171	170	207	193
Home responsibilities .....	288	294	262	290	319	317	367	303	330	311	354	354	308
Think cannot get a job .....	303	325	326	324	334	438	471	500	522	512	431	473	458
Other reasons <sup>1</sup> .....	196	193	173	168	166	207	191	172	196	172	230	169	171

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

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Reason and sex	Total		Age							
	IV 1982	IV 1983	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>										
Total not in labor force .....	62,346	62,956	7,554	7,428	4,850	4,897	21,615	21,694	28,327	28,937
Do not want a job now .....	55,777	56,953	6,037	6,132	3,717	3,909	18,392	18,538	27,630	28,371
Current activity:										
Going to school .....	8,233	8,356	5,408	5,431	1,952	1,973	857	930	15	21
Ill, disabled .....	3,962	3,788	26	40	99	131	1,880	1,787	1,958	1,829
Keeping house .....	27,932	28,331	320	361	1,323	1,404	13,261	13,240	13,027	13,325
Retired .....	12,282	12,898	-	-	-	-	297	355	11,985	12,543
Other activity .....	3,368	3,579	283	300	343	401	2,097	2,226	645	653
Want a job now .....	6,570	6,003	1,518	1,299	1,131	989	3,223	3,151	698	565
Reason for not looking:										
School attendance .....	1,785	1,481	1,172	981	335	243	274	250	5	8
Ill health, disability .....	756	867	9	20	77	73	522	601	147	173
Home responsibilities .....	1,266	1,259	73	82	327	298	817	851	48	28
Think cannot get a job .....	1,735	1,387	177	153	259	222	991	785	308	227
Job-market factors .....	1,291	969	117	103	197	165	825	594	153	105
Personal factors .....	445	418	59	50	62	57	169	191	154	122
Other reasons <sup>1</sup> .....	1,028	1,010	87	63	133	153	619	664	190	129
<b>Men</b>										
Total not in labor force .....	19,569	19,958	3,855	3,576	1,637	1,693	3,825	3,773	10,653	10,916
Do not want a job now .....	17,376	17,934	2,876	2,906	1,252	1,383	2,909	3,000	10,334	10,646
Current activity:										
Going to school .....	4,149	4,212	2,705	2,690	1,035	1,075	400	444	6	3
Ill, disabled .....	2,117	2,033	9	20	42	77	1,070	985	994	953
Keeping house .....	327	369	9	19	7	11	88	90	222	248
Retired .....	8,871	9,229	-	-	-	-	223	278	8,648	8,951
Other activity .....	1,913	2,091	153	177	188	220	1,128	1,203	464	491
Want a job now .....	2,193	2,024	779	672	384	310	715	771	317	269
Reason for not looking:										
School attendance .....	960	792	658	550	189	138	110	100	4	3
Ill health, disability .....	300	384	1	8	36	33	197	271	66	70
Think cannot get a job .....	589	537	74	88	110	102	260	229	145	118
Other reasons <sup>1</sup> .....	344	312	46	26	49	37	148	171	102	78
<b>Women</b>										
Total not in labor force .....	42,777	42,998	3,899	3,853	3,213	3,204	17,990	17,921	17,675	18,021
Do not want a job now .....	38,401	39,019	3,162	3,229	2,462	2,524	15,483	15,540	17,292	17,725
Current activity:										
Going to school .....	4,084	4,143	2,703	2,742	916	898	457	485	9	17
Ill, disabled .....	1,845	1,755	16	22	55	54	811	804	962	877
Keeping house .....	27,605	27,962	312	342	1,316	1,391	13,172	13,150	12,804	13,078
Retired .....	3,411	3,670	-	-	-	-	74	78	3,336	3,591
Other activity .....	1,456	1,488	131	123	175	181	969	1,023	181	162
Want a job now .....	4,377	3,979	738	625	748	680	2,507	2,380	383	294
Reason not looking:										
School attendance .....	825	689	514	430	146	105	164	150	1	5
Ill health, disability .....	456	483	8	11	42	40	323	329	82	102
Home responsibilities .....	1,266	1,259	73	82	327	296	817	851	48	28
Think cannot get a job .....	1,147	850	103	65	149	121	731	556	164	106
Other reasons .....	684	698	40	37	84	116	472	494	88	51

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Reason, race, and Hispanic origin	Total		Age						Sex			
	IV 1982	IV 1983	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>WHITE</b>												
Total not in labor force .....	53,505	53,800	9,628	9,431	18,316	18,301	25,562	26,068	16,513	16,755	36,992	37,044
Do not want a job now .....	48,789	49,417	7,806	7,881	15,987	15,934	24,992	25,603	14,963	15,271	33,825	34,142
Current activity:												
Going to school .....	6,529	6,555	5,876	5,897	644	641	8	15	3,318	3,305	3,211	3,250
Ill, disabled .....	3,189	2,947	98	128	1,453	1,345	1,634	1,479	1,698	1,592	1,491	1,355
Keeping house .....	25,145	25,321	1,399	1,412	11,835	11,786	11,910	12,123	266	301	24,879	25,020
Retired .....	11,130	11,719	-	-	278	323	10,854	11,395	8,099	8,435	3,031	3,284
Other activity .....	2,795	2,871	433	444	1,777	1,839	586	591	1,582	1,638	1,213	1,233
Want a job now .....	4,716	4,383	1,818	1,553	2,335	2,365	568	463	1,551	1,482	3,165	2,902
Reason for not looking:												
School attendance .....	1,241	1,042	1,040	846	197	193	5	5	664	579	577	464
Ill health, disability .....	537	657	75	66	360	445	103	143	233	306	303	351
Home responsibilities .....	951	947	255	263	659	658	38	26	-	-	951	947
Think cannot get a job .....	1,196	936	283	216	653	545	259	175	395	342	801	594
Other reasons <sup>1</sup> .....	792	801	165	162	466	524	163	114	259	255	533	546
<b>BLACK</b>												
Total not in labor force .....	7,265	7,482	2,281	2,413	2,587	2,588	2,397	2,482	2,490	2,589	4,775	4,893
Do not want a job now .....	5,627	6,030	1,532	1,726	1,805	1,920	2,291	2,383	1,934	2,095	3,691	3,935
Current activity:												
Going to school .....	1,247	1,270	1,143	1,147	97	118	5	6	552	575	694	695
Ill, disabled .....	695	779	18	48	378	407	299	324	378	404	316	375
Keeping house .....	2,168	2,381	186	287	1,027	1,034	957	1,058	52	63	2,116	2,318
Retired .....	988	975	-	-	16	23	972	951	646	664	342	311
Other activity .....	529	625	185	244	287	338	58	44	306	389	223	236
Want a job now .....	1,638	1,451	749	688	783	668	107	97	555	494	1,082	976
Reason for not looking:												
School attendance .....	467	409	414	365	55	40	-	4	243	198	225	210
Ill health, disability .....	206	190	8	22	153	141	45	28	65	74	141	116
Home responsibilities .....	287	266	137	104	143	160	6	1	-	-	287	286
Think cannot get a job .....	479	418	139	151	308	218	32	49	177	179	301	239
Other reasons <sup>1</sup> .....	199	168	51	46	124	109	24	15	70	43	128	125
<b>HISPANIC ORIGIN</b>												
Total not in labor force .....	3,458	3,541	1,088	1,055	1,623	1,716	746	771	924	908	2,534	2,633
Do not want a job now .....	2,919	3,129	861	896	1,337	1,484	724	748	760	791	2,159	2,339
Current activity:												
Going to school .....	618	645	567	592	51	48	-	3	302	305	317	340
Ill, disabled .....	207	233	12	19	107	150	88	64	91	125	116	108
Keeping house .....	1,587	1,741	210	242	1,047	1,155	330	344	14	22	1,572	1,720
Retired .....	295	348	-	-	7	18	288	331	216	245	79	103
Other activity .....	212	162	72	43	125	113	18	6	137	94	75	68
Want a job now .....	540	413	228	160	288	233	24	23	165	118	375	295
Reason for not looking:												
School attendance .....	114	82	96	73	18	10	-	-	59	39	55	43
Ill health, disability .....	56	80	13	16	36	50	6	14	30	31	26	49
Home responsibilities .....	174	121	55	43	118	79	-	-	-	-	174	121
Think cannot get a job .....	117	87	31	23	72	59	16	5	50	24	68	63
Other reasons <sup>1</sup> .....	79	43	33	5	44	35	2	4	26	24	52	19

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."  
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-55. Persons not in the labor force who desire work but think they cannot get jobs by reason, sex, age, race, and Hispanic origin**

(In thousands)

Reason and sex	3rd Quarter 1983							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
<b>TOTAL</b>								
Personal factors:								
Employers think too young or old .....	170	12	-	48	109	145	21	4
Lacks education or training .....	164	26	37	96	4	116	41	17
Other personal handicap .....	85	11	20	47	8	63	22	12
Job-market factors:								
Could not find work .....	566	58	97	357	52	332	229	46
Thinks no job available .....	403	45	68	237	53	280	106	9
<b>Men</b>								
Personal factors:								
Employers think too young or old .....	74	7	-	18	48	57	13	-
Lacks education or training .....	54	14	11	27	2	33	17	5
Other personal handicap .....	28	4	9	18	-	18	10	-
Job-market factors:								
Could not find work .....	234	37	57	107	31	126	112	16
Thinks no job available .....	146	26	24	61	36	108	27	3
<b>Women</b>								
Personal factors:								
Employers think too young or old .....	96	5	-	31	60	88	8	4
Lacks education or training .....	109	12	27	68	2	63	24	12
Other personal handicap .....	57	8	11	30	8	45	12	12
Job-market factors:								
Could not find work .....	332	21	40	250	21	206	117	30
Thinks no job available .....	257	19	44	175	17	172	78	6

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Work-seeking intentions, work history, and sex	Total		Age						Race			
	IV 1982	IV 1983	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>												
Do not intend to seek work .....	51,332	52,274	6,100	6,244	17,538	17,633	27,694	28,397	44,881	45,381	5,239	5,580
Intend to seek work in the next 12 months .....	11,013	10,680	6,303	6,080	4,077	4,061	632	540	8,624	8,418	2,026	1,902
Never worked .....	2,113	2,018	1,916	1,854	188	163	8	1	1,430	1,423	572	493
Last worked over 5 years ago .....	1,315	1,195	68	65	1,067	1,004	180	126	987	918	295	236
Last worked 1 to 5 years ago .....	2,630	2,635	953	885	1,436	1,545	241	204	1,973	1,995	570	552
Worked during previous 12 months .....	4,955	4,832	3,366	3,274	1,387	1,351	203	209	4,233	4,082	589	620
<b>Men</b>												
Do not intend to seek work .....	15,335	15,828	2,252	2,327	2,727	2,874	10,355	10,627	13,171	13,453	1,757	1,921
Intend to seek work in the next 12 months .....	4,233	4,129	3,040	2,942	897	898	297	290	3,342	3,302	733	669
Never worked .....	944	940	883	903	59	36	2	-	640	681	245	202
Last worked over 5 years ago .....	210	178	21	12	115	122	72	44	152	113	51	51
Last worked 1 to 5 years ago .....	804	734	354	281	336	344	114	109	610	551	168	157
Worked during previous 12 months .....	2,275	2,276	1,780	1,746	386	396	108	135	1,939	1,957	289	258
<b>Women</b>												
Do not intend to seek work .....	35,997	36,446	3,848	3,918	14,809	14,758	17,339	17,770	31,710	31,928	3,482	3,660
Intend to seek work in the next 12 months .....	6,780	6,552	3,264	3,139	3,180	3,163	336	251	5,282	5,116	1,293	1,233
Never worked .....	1,168	1,078	1,032	952	130	124	6	1	790	742	327	291
Last worked over 5 years ago .....	1,105	1,017	46	53	952	882	108	82	835	805	243	185
Last worked 1 to 5 years ago .....	1,826	1,901	599	606	1,100	1,200	127	95	1,363	1,444	402	395
Worked during previous 12 months .....	2,680	2,556	1,585	1,528	1,000	954	95	74	2,294	2,125	320	362

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	173,046	174,950	149,927	151,327	18,719	19,057	9,377	9,719
Civilian labor force .....	110,700	111,995	96,422	97,528	11,454	11,574	5,918	6,178
Percent of population .....	64.0	64.0	64.3	64.4	61.2	60.7	63.1	63.6
Employed .....	99,351	102,826	87,663	90,651	9,176	9,573	5,045	5,458
Agriculture .....	3,330	3,170	3,076	2,919	181	171	247	242
Nonagricultural industries .....	96,021	99,657	84,587	87,732	8,995	9,402	4,798	5,216
Unemployed .....	11,349	9,168	8,759	6,877	2,277	2,001	873	720
Unemployment rate .....	10.3	8.2	9.1	7.1	19.9	17.3	14.8	11.7
Not in labor force .....	62,346	62,956	53,505	53,800	7,265	7,482	3,458	3,541
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	81,912	82,886	71,423	72,136	8,347	8,511	4,461	4,576
Civilian labor force .....	62,343	62,929	54,910	55,381	5,858	5,921	3,537	3,668
Percent of population .....	76.1	75.9	76.9	76.8	70.2	69.6	79.3	80.2
Employed .....	55,730	57,680	49,747	51,322	4,592	4,909	3,023	3,231
Agriculture .....	2,700	2,538	2,489	2,318	152	157	205	204
Nonagricultural industries .....	53,030	55,143	47,258	49,004	4,440	4,752	2,818	3,027
Unemployed .....	6,613	5,248	5,162	4,059	1,265	1,012	514	438
Unemployment rate .....	10.6	8.3	9.4	7.3	21.6	17.1	14.5	11.9
Not in labor force .....	19,569	19,958	16,513	16,755	2,490	2,589	924	908
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	74,105	75,325	64,951	65,901	7,251	7,434	3,845	4,051
Civilian labor force .....	58,191	58,943	51,255	51,880	5,457	5,542	3,252	3,417
Percent of population .....	78.5	78.3	78.9	78.7	75.3	74.5	84.6	84.3
Employed .....	52,672	54,554	46,949	48,483	4,405	4,706	2,834	3,040
Agriculture .....	2,431	2,347	2,229	2,136	145	151	191	194
Nonagricultural industries .....	50,241	52,208	44,720	46,348	4,260	4,554	2,643	2,846
Unemployed .....	5,519	4,389	4,305	3,397	1,052	836	418	377
Unemployment rate .....	9.5	7.4	8.4	6.5	19.3	15.1	12.9	11.0
Not in labor force .....	15,914	16,382	13,696	14,021	1,794	1,892	592	634
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	91,133	92,064	78,504	79,191	10,371	10,546	4,916	5,143
Civilian labor force .....	48,356	49,066	41,512	42,147	5,596	5,653	2,381	2,510
Percent of population .....	53.1	53.3	52.9	53.2	54.0	53.8	48.4	48.8
Employed .....	43,621	45,146	37,916	39,329	4,584	4,664	2,022	2,228
Agriculture .....	630	632	587	601	29	14	42	38
Nonagricultural industries .....	42,991	44,514	37,329	38,728	4,555	4,650	1,979	2,190
Unemployed .....	4,735	3,920	3,597	2,817	1,012	989	360	282
Unemployment rate .....	9.8	8.0	8.7	6.7	18.1	17.5	15.1	11.2
Not in labor force .....	42,777	42,998	36,992	37,044	4,775	4,893	2,534	2,633
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	83,346	84,554	72,059	72,995	9,224	9,421	4,353	4,560
Civilian labor force .....	44,468	45,409	38,075	38,907	5,225	5,307	2,167	2,310
Percent of population .....	53.4	53.7	52.8	53.3	56.8	56.3	49.8	50.7
Employed .....	40,576	42,191	35,131	36,592	4,384	4,499	1,870	2,074
Agriculture .....	568	595	536	563	19	15	37	35
Nonagricultural industries .....	40,008	41,596	34,595	36,029	4,365	4,484	1,833	2,040
Unemployed .....	3,892	3,218	2,944	2,315	841	808	297	236
Unemployment rate .....	8.8	7.1	7.7	5.9	16.1	15.2	13.7	10.2
Not in labor force .....	38,878	39,145	33,984	34,088	3,998	4,114	2,186	2,250
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	15,595	15,071	12,917	12,431	2,244	2,202	1,179	1,109
Civilian labor force .....	8,041	7,643	7,092	6,741	771	726	499	452
Percent of population .....	51.6	50.7	54.9	54.2	34.4	33.0	42.3	40.8
Employed .....	6,103	6,081	5,582	5,576	367	369	341	344
Agriculture .....	331	228	311	220	16	4	20	13
Nonagricultural industries .....	5,772	5,853	5,271	5,357	370	365	321	331
Unemployed .....	1,938	1,561	1,510	1,165	385	357	158	108
Unemployment rate .....	24.1	20.4	21.3	17.3	49.9	49.2	31.6	23.8
Not in labor force .....	7,554	7,428	5,825	5,690	1,472	1,476	679	657

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	9,377	9,719	5,627	5,894	1,266	1,228	787	792
Civilian labor force .....	5,918	6,178	3,656	3,853	660	592	507	543
Percent of population .....	63.1	63.6	65.0	65.4	52.1	48.2	64.4	68.6
Employed .....	5,045	5,458	3,091	3,366	531	513	440	494
Agriculture .....	247	242	233	224	2	3	2	3
Nonagricultural industries .....	4,798	5,216	2,858	3,143	529	509	438	492
Unemployed .....	873	720	565	486	128	80	67	49
Unemployment rate .....	14.8	11.7	15.4	12.6	19.5	13.5	13.2	8.9
Not in labor force .....	3,458	3,541	1,971	2,041	606	636	280	249
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	4,461	4,576	2,766	2,841	564	510	353	365
Civilian labor force .....	3,537	3,668	2,251	2,323	397	363	273	296
Percent of population .....	79.3	80.2	81.4	81.8	70.4	71.2	77.3	81.1
Employed .....	3,023	3,231	1,911	2,023	319	310	233	266
Agriculture .....	205	204	193	187	2	3	2	2
Nonagricultural industries .....	2,818	3,027	1,718	1,837	317	306	231	265
Unemployed .....	514	438	339	300	79	53	40	29
Unemployment rate .....	14.5	11.9	15.1	12.9	19.8	14.5	14.6	9.9
Not in labor force .....	924	908	515	518	167	148	81	69
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	3,845	4,051	2,370	2,504	477	431	317	337
Civilian labor force .....	3,252	3,417	2,054	2,143	372	343	256	276
Percent of population .....	84.6	84.3	86.7	85.6	78.0	79.6	80.8	81.9
Employed .....	2,834	3,040	1,780	1,889	306	296	220	250
Agriculture .....	191	194	180	177	2	3	2	2
Nonagricultural industries .....	2,643	2,846	1,600	1,712	305	292	219	248
Unemployed .....	418	377	274	254	66	47	35	26
Unemployment rate .....	12.9	11.0	13.3	11.9	17.7	13.7	13.8	9.5
Not in labor force .....	592	634	317	361	105	88	61	61
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	4,916	5,143	2,861	3,053	702	718	434	427
Civilian labor force .....	2,381	2,510	1,405	1,529	262	230	234	247
Percent of population .....	48.4	48.8	49.1	50.1	37.3	32.0	53.9	57.8
Employed .....	2,022	2,228	1,180	1,343	213	203	207	228
Agriculture .....	42	38	40	37	-	-	1	1
Nonagricultural industries .....	1,979	2,190	1,140	1,306	212	203	207	227
Unemployed .....	360	282	225	186	50	27	27	19
Unemployment rate .....	15.1	11.2	16.0	12.2	19.0	11.8	11.5	7.8
Not in labor force .....	2,534	2,633	1,455	1,170	440	488	200	180
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	4,353	4,560	2,526	2,685	602	632	402	396
Civilian labor force .....	2,167	2,310	1,266	1,390	238	213	219	236
Percent of population .....	49.8	50.7	50.1	51.8	39.5	33.7	54.5	59.6
Employed .....	1,870	2,074	1,079	1,235	198	193	193	218
Agriculture .....	37	35	35	33	-	-	1	1
Nonagricultural industries .....	1,833	2,040	1,045	1,202	198	193	193	217
Unemployed .....	297	236	187	156	39	20	25	17
Unemployment rate .....	13.7	10.2	14.8	11.2	16.6	9.2	11.6	7.3
Not in labor force .....	2,186	2,250	1,260	1,294	364	419	183	161
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	1,179	1,109	730	705	187	165	68	59
Civilian labor force .....	499	452	336	319	50	36	32	31
Percent of population .....	42.3	40.8	46.0	45.2	26.7	21.8	47.1	( <sup>2</sup> )
Employed .....	341	344	232	243	27	23	26	26
Agriculture .....	20	19	19	13	-	-	-	-
Nonagricultural industries .....	321	331	214	230	27	23	26	26
Unemployed .....	158	108	104	77	23	13	6	5
Unemployment rate .....	31.6	23.8	30.8	24.0	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Not in labor force .....	679	657	394	385	137	129	36	28

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	99,351	102,826	87,663	90,651	9,176	9,573	5,045	5,458
Men .....	55,730	57,680	49,747	51,322	4,592	4,909	3,023	3,231
Women .....	43,621	45,146	37,916	39,329	4,584	4,664	2,022	2,228
<b>OCCUPATION</b>								
Managerial and professional specialty .....	23,567	24,071	21,651	22,115	( <sup>1</sup> )	1,307	( <sup>1</sup> )	659
Executive, administrative, and managerial .....	10,636	10,962	9,984	10,212	( <sup>1</sup> )	507	( <sup>1</sup> )	314
Professional specialty .....	12,931	13,109	11,667	11,903	( <sup>1</sup> )	800	( <sup>1</sup> )	346
Technical, sales, and administrative support .....	31,048	31,843	27,946	28,726	( <sup>1</sup> )	2,418	( <sup>1</sup> )	1,415
Technicians and related support .....	3,046	3,095	2,706	2,712	( <sup>1</sup> )	272	( <sup>1</sup> )	106
Sales occupations .....	11,606	12,203	10,788	11,362	( <sup>1</sup> )	574	( <sup>1</sup> )	471
Administrative support, including clerical .....	16,396	16,546	14,451	14,652	( <sup>1</sup> )	1,572	( <sup>1</sup> )	838
Service occupations .....	13,496	14,115	10,818	11,285	( <sup>1</sup> )	2,360	( <sup>1</sup> )	959
Private household .....	1,092	1,017	774	704	( <sup>1</sup> )	297	( <sup>1</sup> )	76
Protective service .....	1,622	1,674	1,366	1,390	( <sup>1</sup> )	254	( <sup>1</sup> )	81
Service, except private household and protective .....	10,781	11,424	8,677	9,192	( <sup>1</sup> )	1,809	( <sup>1</sup> )	802
Precision production, craft, and repair .....	11,554	12,814	10,533	11,635	( <sup>1</sup> )	900	( <sup>1</sup> )	814
Mechanics and repairers .....	3,832	4,259	3,496	3,869	( <sup>1</sup> )	306	( <sup>1</sup> )	234
Construction trades .....	3,952	4,541	3,620	4,140	( <sup>1</sup> )	330	( <sup>1</sup> )	272
Other precision production, craft, and repair .....	3,769	4,014	3,417	3,627	( <sup>1</sup> )	265	( <sup>1</sup> )	308
Operators, fabricators, and laborers .....	16,051	16,618	13,412	13,836	( <sup>1</sup> )	2,363	( <sup>1</sup> )	1,356
Machine operators, assemblers, and inspectors .....	7,486	8,033	6,185	6,627	( <sup>1</sup> )	1,154	( <sup>1</sup> )	749
Transportation and material moving occupations .....	4,135	4,341	3,574	3,690	( <sup>1</sup> )	580	( <sup>1</sup> )	249
Handlers, equipment cleaners, helpers, and laborers .....	4,431	4,244	3,653	3,519	( <sup>1</sup> )	629	( <sup>1</sup> )	359
Construction laborers .....	597	639	484	529	( <sup>1</sup> )	103	( <sup>1</sup> )	73
Other handlers, equipment cleaners, helpers, and laborers .....	3,834	3,606	3,169	2,990	( <sup>1</sup> )	526	( <sup>1</sup> )	285
Farming, forestry, and fishing .....	3,607	3,365	3,250	3,054	( <sup>1</sup> )	225	( <sup>1</sup> )	254
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,495	1,403	1,293	1,214	161	140	230	210
Self-employed workers .....	1,616	1,546	1,568	1,490	19	28	17	31
Unpaid family workers .....	219	220	215	214	1	3	-	1
Nonagricultural industries:								
Wage and salary workers .....	88,306	91,474	77,363	80,100	8,682	9,064	4,508	4,954
Government .....	15,641	15,727	13,044	13,103	2,187	2,203	669	717
Private industries .....	72,666	75,747	64,317	66,997	6,495	6,860	3,839	4,237
Private households .....	1,219	1,251	865	884	333	342	109	85
Other industries .....	71,447	74,496	63,452	66,113	6,162	6,518	3,730	4,152
Self-employed workers .....	7,351	7,758	6,885	7,231	306	333	276	246
Unpaid family workers .....	364	425	340	400	6	6	14	17
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	78,091	82,004	68,772	72,127	7,260	7,765	4,041	4,474
Part time for economic reasons .....	6,469	5,811	5,345	4,778	960	875	502	425
Part time for noneconomic reasons .....	14,791	15,011	13,546	13,746	956	933	502	559

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Category	Total Hispanic origin <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	5,045	5,458	3,091	3,366	531	513	440	494
Men .....	3,023	3,231	1,911	2,023	319	310	233	266
Women .....	2,022	2,228	1,180	1,343	213	203	207	228
<b>OCCUPATION</b>								
Managerial and professional specialty .....	( <sup>2</sup> )	659	( <sup>2</sup> )	352	( <sup>2</sup> )	61	( <sup>2</sup> )	78
Executive, administrative, and managerial .....	( <sup>2</sup> )	314	( <sup>2</sup> )	165	( <sup>2</sup> )	29	( <sup>2</sup> )	36
Professional specialty .....	( <sup>2</sup> )	346	( <sup>2</sup> )	186	( <sup>2</sup> )	31	( <sup>2</sup> )	42
Technical, sales, and administrative support .....	( <sup>2</sup> )	1,415	( <sup>2</sup> )	816	( <sup>2</sup> )	150	( <sup>2</sup> )	168
Technicians and related support .....	( <sup>2</sup> )	106	( <sup>2</sup> )	65	( <sup>2</sup> )	14	( <sup>2</sup> )	9
Sales occupations .....	( <sup>2</sup> )	471	( <sup>2</sup> )	265	( <sup>2</sup> )	41	( <sup>2</sup> )	54
Administrative support, including clerical .....	( <sup>2</sup> )	838	( <sup>2</sup> )	485	( <sup>2</sup> )	95	( <sup>2</sup> )	105
Service occupations .....	( <sup>2</sup> )	959	( <sup>2</sup> )	554	( <sup>2</sup> )	109	( <sup>2</sup> )	78
Private household .....	( <sup>2</sup> )	76	( <sup>2</sup> )	39	( <sup>2</sup> )	7	( <sup>2</sup> )	1
Protective service .....	( <sup>2</sup> )	81	( <sup>2</sup> )	48	( <sup>2</sup> )	12	( <sup>2</sup> )	9
Service, except private household and protective .....	( <sup>2</sup> )	802	( <sup>2</sup> )	470	( <sup>2</sup> )	89	( <sup>2</sup> )	68
Precision production, craft, and repair .....	( <sup>2</sup> )	814	( <sup>2</sup> )	555	( <sup>2</sup> )	62	( <sup>2</sup> )	47
Mechanics and repairers .....	( <sup>2</sup> )	234	( <sup>2</sup> )	156	( <sup>2</sup> )	16	( <sup>2</sup> )	15
Construction trades .....	( <sup>2</sup> )	272	( <sup>2</sup> )	206	( <sup>2</sup> )	15	( <sup>2</sup> )	15
Other precision production, craft, and repair .....	( <sup>2</sup> )	306	( <sup>2</sup> )	193	( <sup>2</sup> )	30	( <sup>2</sup> )	18
Operators, fabricators, and laborers .....	( <sup>2</sup> )	1,356	( <sup>2</sup> )	858	( <sup>2</sup> )	130	( <sup>2</sup> )	121
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	749	( <sup>2</sup> )	447	( <sup>2</sup> )	91	( <sup>2</sup> )	69
Transportation and material moving occupations .....	( <sup>2</sup> )	249	( <sup>2</sup> )	152	( <sup>2</sup> )	15	( <sup>2</sup> )	29
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	359	( <sup>2</sup> )	259	( <sup>2</sup> )	24	( <sup>2</sup> )	23
Construction laborers .....	( <sup>2</sup> )	73	( <sup>2</sup> )	62	( <sup>2</sup> )	-	( <sup>2</sup> )	1
Other handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	285	( <sup>2</sup> )	196	( <sup>2</sup> )	23	( <sup>2</sup> )	22
Farming, forestry, and fishing .....	( <sup>2</sup> )	254	( <sup>2</sup> )	232	( <sup>2</sup> )	2	( <sup>2</sup> )	2
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	230	210	221	199	2	3	1	2
Self-employed workers .....	17	31	12	23	-	-	2	1
Unpaid family workers .....	-	1	-	2	-	-	-	-
Nonagricultural industries:								
Wage and salary workers .....	4,508	4,954	2,896	2,999	511	495	404	445
Government .....	669	717	437	474	88	82	32	37
Private industries .....	3,839	4,237	2,259	2,526	422	413	371	408
Private households .....	109	85	61	47	10	8	-	1
Other industries .....	3,730	4,152	2,198	2,479	412	405	371	407
Self-employed workers .....	276	246	155	136	17	13	31	40
Unpaid family workers .....	14	17	8	7	2	2	3	6
<b>FULL- AND PART-TIME STATUS<sup>3</sup></b>								
Full-time schedules .....	4,041	4,474	2,438	2,726	442	439	360	410
Part time for economic reasons .....	502	425	366	300	32	27	32	25
Part time for noneconomic reasons .....	502	559	288	341	57	47	48	60

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

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

standards for publication.

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
Total, 16 years and over .....	99,351	102,826	87,663	90,651	9,176	9,573	5,045	5,458
16 to 19 years .....	6,103	6,081	5,582	5,576	387	369	341	344
16 to 17 years .....	2,257	2,174	2,099	2,043	111	88	79	109
18 to 19 years .....	3,846	3,907	3,483	3,533	276	281	262	235
20 to 24 years .....	13,517	13,891	11,921	12,303	1,293	1,269	805	896
25 years and over .....	79,730	82,854	70,159	72,772	7,496	7,936	3,899	4,219
25 to 54 years .....	65,363	68,388	57,213	59,688	6,328	6,792	3,502	3,794
55 years and over .....	14,367	14,467	12,948	13,083	1,167	1,144	397	425
Men, 16 years and over .....	55,730	57,680	49,747	51,322	4,592	4,909	3,023	3,231
16 to 19 years .....	3,058	3,126	2,798	2,839	187	203	189	190
16 to 17 years .....	1,122	1,089	1,048	1,014	48	47	44	61
18 to 19 years .....	1,936	2,037	1,750	1,825	138	156	145	129
20 to 24 years .....	7,042	7,305	6,226	6,447	656	685	459	508
25 years and over .....	45,630	47,249	40,723	42,035	3,749	4,021	2,375	2,532
25 to 54 years .....	37,107	38,694	32,954	34,204	3,152	3,440	2,110	2,263
55 years and over .....	8,523	8,556	7,770	7,831	596	581	265	270
Women, 16 years and over .....	43,621	45,146	37,916	39,329	4,584	4,664	2,022	2,228
16 to 19 years .....	3,045	2,955	2,784	2,737	200	165	152	154
16 to 17 years .....	1,135	1,085	1,051	1,029	62	40	35	48
18 to 19 years .....	1,910	1,870	1,733	1,708	138	125	117	106
20 to 24 years .....	6,475	6,586	5,695	5,856	637	584	346	388
25 years and over .....	34,101	35,605	29,436	30,737	3,747	3,915	1,523	1,687
25 to 54 years .....	28,258	29,694	24,259	25,484	3,176	3,352	1,392	1,531
55 years and over .....	5,844	5,911	5,178	5,252	571	563	131	155

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

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

(Civilian workers)

Sex and age	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
Total, 16 years and over .....	10.3	8.2	9.1	7.1	19.9	17.3	14.8	11.7
16 to 19 years .....	24.1	20.4	21.3	17.3	49.9	49.2	31.6	23.8
16 to 17 years .....	26.4	22.4	24.3	19.8	51.1	56.5	48.3	26.2
18 to 19 years .....	22.7	19.3	19.4	15.8	49.3	46.4	24.2	22.7
20 to 24 years .....	15.4	12.4	13.1	10.0	32.0	30.0	19.1	13.9
25 years and over .....	8.0	6.4	7.2	5.6	14.6	12.2	11.9	10.0
25 to 54 years .....	8.6	6.7	7.7	5.9	15.7	12.9	12.0	10.2
55 years and over .....	5.2	4.6	4.8	4.2	8.5	7.8	10.4	8.2
Men, 16 years and over .....	10.6	8.3	9.4	7.3	21.6	17.1	14.5	11.9
16 to 19 years .....	26.4	21.6	23.5	18.9	53.3	46.4	33.6	24.3
16 to 17 years .....	29.7	23.9	27.4	21.7	56.8	54.8	49.7	26.0
18 to 19 years .....	24.3	20.2	20.8	17.3	52.0	43.2	26.3	23.5
20 to 24 years .....	17.1	13.4	14.8	11.1	33.6	29.2	19.7	14.7
25 years and over .....	8.2	6.5	7.3	5.8	16.1	12.1	11.4	10.2
25 to 54 years .....	8.8	6.8	7.9	6.1	17.1	12.6	11.4	10.4
55 years and over .....	5.5	4.9	5.0	4.4	10.5	9.1	11.7	8.5
Women, 16 years and over .....	9.8	8.0	8.7	6.7	18.1	17.5	15.1	11.2
16 to 19 years .....	21.7	19.2	19.0	15.5	46.1	52.2	29.0	23.2
16 to 17 years .....	22.8	20.8	20.9	17.8	45.6	58.3	46.5	26.3
18 to 19 years .....	21.0	18.2	17.8	14.1	46.4	49.8	21.5	21.7
20 to 24 years .....	13.5	11.3	11.2	8.7	30.2	31.0	18.2	12.7
25 years and over .....	7.8	6.3	7.0	5.4	13.1	12.2	12.7	9.6
25 to 54 years .....	8.4	6.7	7.5	5.7	14.2	13.1	13.0	9.8
55 years and over .....	4.9	4.2	4.6	3.8	6.2	6.5	7.7	8.3

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>DURATION</b>								
Total, 16 years and over .....	11,349	9,168	8,759	6,877	2,277	2,001	873	720
Less than 5 weeks .....	3,788	3,308	2,955	2,558	714	823	331	282
5 to 14 weeks .....	3,470	2,631	2,774	1,952	598	595	283	221
15 weeks and over .....	4,090	3,230	3,030	2,366	966	783	259	216
15 to 26 weeks .....	1,889	1,222	1,441	901	403	289	133	102
27 weeks and over .....	2,201	2,008	1,589	1,465	562	495	126	114
Average (mean) duration, in weeks .....	17.4	19.6	16.5	19.0	21.0	22.2	14.4	15.8
Median duration, in weeks .....	9.8	8.9	9.3	8.5	10.2	9.4	8.6	7.7
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	33.4	36.1	33.7	37.2	31.3	31.1	37.9	39.2
5 to 14 weeks .....	30.6	28.7	31.7	28.4	26.3	29.7	32.4	30.7
15 weeks and over .....	36.0	35.2	34.6	34.4	42.4	39.1	29.7	30.0
15 to 26 weeks .....	16.6	13.3	16.5	13.1	17.7	14.4	15.2	14.2
27 weeks and over .....	19.4	21.9	18.1	21.3	24.7	24.7	14.4	15.8

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

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

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	11,349	9,168	8,759	6,877	2,277	2,001	873	720
Job losers .....	6,978	5,072	5,487	3,920	1,415	1,114	567	452
On layoff .....	2,241	1,244	1,907	1,040	298	180	164	92
Other job losers .....	4,737	3,828	3,580	2,880	1,117	935	403	360
Job leavers .....	793	858	649	714	20	16	58	64
Reentrants .....	2,417	2,210	1,830	1,572	520	549	154	131
New entrants .....	1,161	1,028	792	672	323	322	95	73
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	61.5	55.3	62.6	57.0	62.1	55.7	64.9	62.8
On layoff .....	19.7	13.6	21.8	15.1	13.1	9.0	18.8	12.8
Other job losers .....	41.7	41.8	40.9	41.9	49.1	46.7	46.2	50.0
Job leavers .....	7.0	9.4	7.4	10.4	.9	.8	6.8	8.8
Reentrants .....	21.3	24.1	20.9	22.9	22.8	27.4	17.8	18.1
New entrants .....	10.2	11.2	9.0	9.8	14.2	16.1	10.9	10.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	6.3	4.5	5.7	4.0	12.4	9.6	9.6	7.3
Job leavers .....	.7	.8	.7	.7	.2	.1	1.0	1.0
Reentrants .....	2.2	2.0	1.9	1.6	4.5	4.7	2.6	2.1
New entrants .....	1.0	.9	.8	.7	2.8	2.8	1.6	1.2

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
	IV 1982	IV 1983	Total		Employed		Unemployed			
			IV 1982	IV 1983	IV 1982	IV 1983	Number		Percent of labor force	
							IV 1982	IV 1983	IV 1982	IV 1983
<b>VETERANS</b>										
Total, 25 years and over .....	8,415	7,896	7,914	7,389	7,185	6,877	729	513	9.2	6.9
25 to 39 years .....	6,773	5,744	6,480	5,509	5,847	5,096	634	413	9.8	7.5
25 to 29 years .....	1,045	607	968	568	815	501	153	67	15.8	11.8
30 to 34 years .....	2,674	2,000	2,549	1,907	2,312	1,740	237	167	9.3	8.8
35 to 39 years .....	3,054	3,137	2,963	3,034	2,720	2,855	243	179	8.2	5.9
40 years and over .....	1,642	2,153	1,434	1,880	1,338	1,781	96	99	6.7	5.3
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	18,895	20,367	17,900	19,192	16,113	17,756	1,786	1,436	10.0	7.5
25 to 29 years .....	8,368	8,782	7,886	8,207	6,941	7,497	945	709	12.0	8.6
30 to 34 years .....	6,272	6,993	5,957	6,623	5,454	6,180	503	443	8.4	6.7
35 to 39 years .....	4,255	4,593	4,057	4,362	3,719	4,079	338	283	8.3	6.5

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

are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

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

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black		Hispanic origin		White		Black		Hispanic origin	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL, 25 to 39 years</b>												
Civilian noninstitutional population .....	5,969	5,055	886	604	237	223	16,289	17,521	1,906	2,072	1,416	1,536
Civilian labor force .....	5,751	4,870	642	562	226	211	15,588	16,728	1,703	1,826	1,322	1,439
Employed .....	5,246	4,538	525	491	205	202	14,212	15,620	1,352	1,559	1,151	1,285
Unemployed .....	505	334	118	72	21	9	1,376	1,108	351	269	171	154
Unemployment rate .....	8.8	6.9	18.4	12.8	9.3	4.3	8.8	6.6	20.6	14.7	12.9	10.7
<b>25 to 29 years</b>												
Civilian noninstitutional population .....	853	491	178	104	36	26	7,267	7,589	820	900	594	650
Civilian labor force .....	806	463	151	95	36	26	6,917	7,202	736	778	549	608
Employed .....	701	413	108	81	33	24	6,166	6,650	571	647	464	533
Unemployed .....	105	51	43	14	3	2	751	552	166	132	85	75
Unemployment rate .....	13.0	11.0	28.5	14.7	( <sup>1</sup> )	( <sup>1</sup> )	10.9	7.7	22.6	17.0	15.5	12.3
<b>30 to 34 years</b>												
Civilian noninstitutional population .....	2,367	1,748	272	224	103	83	5,374	5,996	643	710	457	499
Civilian labor force .....	2,269	1,673	247	208	99	79	5,161	5,756	566	626	426	469
Employed .....	2,072	1,536	209	180	84	77	4,781	5,417	461	543	377	422
Unemployed .....	197	138	39	29	15	2	380	339	104	84	49	47
Unemployment rate .....	8.7	8.2	15.8	13.9	15.2	2.5	7.4	5.9	18.4	13.4	11.5	10.0
<b>35 to 39 years</b>												
Civilian noninstitutional population .....	2,749	2,816	258	276	98	114	3,648	3,936	443	462	365	387
Civilian labor force .....	2,676	2,734	244	259	91	106	3,510	3,770	401	422	347	362
Employed .....	2,473	2,589	208	230	88	101	3,265	3,553	320	369	310	330
Unemployed .....	203	145	36	29	3	5	245	217	81	53	37	32
Unemployment rate .....	7.6	5.3	14.8	11.2	3.3	4.7	7.0	5.8	20.2	12.6	10.7	8.8

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

**A-67. Employment status of the civilian noninstitutional population in metropolitan and nonmetropolitan areas by sex, age, race, and Hispanic origin**

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	118,109	119,462	48,607	49,201	69,503	70,261	54,936	55,489	4,272	4,334	50,664	51,155
Civilian labor force .....	78,878	77,745	30,552	30,695	46,327	47,050	33,821	34,249	2,731	2,787	31,090	31,482
Percent of population .....	65.1	65.1	62.9	62.4	66.7	67.0	61.6	61.7	63.9	64.3	61.4	61.5
Employed .....	69,049	71,553	26,950	27,789	42,099	43,764	30,302	31,273	2,588	2,697	27,714	28,578
Unemployed .....	7,830	8,192	3,602	2,908	4,228	3,286	3,519	2,976	142	90	3,377	2,886
Unemployment rate .....	10.2	8.0	11.8	9.5	9.1	7.0	10.4	8.7	5.2	3.2	10.9	9.2
Not in labor force .....	41,231	41,716	18,055	18,508	23,177	23,210	21,225	21,239	1,542	1,547	19,573	19,692
<b>Men, 20 years and over</b>												
Civilian noninstitutional population .....	50,447	51,228	20,400	20,649	30,048	30,579	23,657	24,097	1,979	1,987	21,678	22,110
Civilian labor force .....	40,183	40,681	15,789	15,858	24,394	24,825	18,008	18,262	1,602	1,635	16,406	16,627
Percent of population .....	79.7	79.4	77.4	78.8	81.2	81.2	76.1	75.8	80.9	82.3	75.7	75.2
Employed .....	36,380	37,705	13,983	14,470	22,397	23,235	16,292	16,850	1,532	1,591	14,780	15,259
Unemployed .....	3,803	2,978	1,806	1,387	1,997	1,589	1,718	1,413	69	43	1,647	1,370
Unemployment rate .....	9.5	7.3	11.4	8.7	8.2	8.4	9.5	7.7	4.3	2.7	10.0	8.2
Not in labor force .....	10,265	10,547	4,611	4,793	5,854	5,754	5,649	5,635	378	352	5,271	5,483
<b>Women, 20 years and over</b>												
Civilian noninstitutional population .....	57,143	58,052	24,124	24,535	33,019	33,517	26,203	26,502	1,846	1,929	24,357	24,573
Civilian labor force .....	31,236	31,863	12,867	13,029	18,368	18,834	13,233	13,545	881	951	12,352	12,594
Percent of population .....	54.7	54.9	53.3	53.1	55.8	56.2	50.5	51.1	47.7	49.3	50.7	51.3
Employed .....	28,541	29,689	11,645	11,972	16,897	17,717	12,035	12,502	843	923	11,192	11,579
Unemployed .....	2,694	2,175	1,223	1,057	1,471	1,118	1,198	1,043	38	28	1,160	1,015
Unemployment rate .....	8.6	6.8	9.5	8.1	8.0	5.9	9.1	7.7	4.3	3.0	9.4	8.1
Not in labor force .....	25,908	26,189	11,257	11,506	14,650	14,683	12,970	12,957	965	977	12,005	11,980
<b>Both sexes, 16 to 19 years</b>												
Civilian noninstitutional population .....	10,519	10,182	4,082	4,017	6,437	6,165	5,076	4,889	447	418	4,629	4,471
Civilian labor force .....	5,460	5,201	1,896	1,809	3,564	3,392	2,580	2,442	248	201	2,332	2,241
Percent of population .....	51.9	51.1	46.4	45.0	55.4	55.0	50.8	49.9	55.4	48.0	50.4	50.1
Employed .....	4,128	4,160	1,323	1,348	2,805	2,814	1,975	1,921	213	163	1,762	1,738
Unemployed .....	1,332	1,041	573	482	759	579	606	520	35	18	571	502
Unemployment rate .....	24.4	20.0	30.2	25.5	21.3	17.1	23.5	21.3	14.0	9.1	24.5	22.4
Not in labor force .....	5,059	4,981	2,187	2,207	2,872	2,774	2,496	2,448	199	218	2,297	2,230
<b>White</b>												
Civilian noninstitutional population .....	100,148	101,191	36,442	37,090	63,707	64,101	49,779	50,137	4,085	4,155	45,694	45,982
Civilian labor force .....	65,570	66,336	23,226	23,535	42,345	42,601	30,851	31,192	2,638	2,695	28,213	28,497
Percent of population .....	65.5	65.6	63.7	63.5	66.5	66.6	62.0	62.2	64.6	64.8	61.7	62.0
Employed .....	59,781	61,895	21,085	21,858	38,696	40,037	27,882	28,757	2,507	2,615	25,375	26,142
Unemployed .....	5,789	4,441	2,141	1,677	3,648	2,784	2,970	2,435	131	80	2,839	2,355
Unemployment rate .....	8.8	6.7	9.2	7.1	8.6	6.5	9.6	7.8	5.0	3.0	10.1	8.3
Not in labor force .....	34,578	34,855	13,216	13,555	21,362	21,300	18,928	18,945	1,447	1,481	17,481	17,484
<b>Black</b>												
Civilian noninstitutional population .....	14,393	14,667	10,330	10,303	4,063	4,364	4,326	4,389	135	128	4,191	4,261
Civilian labor force .....	8,987	9,071	6,173	6,040	2,814	3,031	2,467	2,503	64	68	2,403	2,435
Percent of population .....	62.4	61.8	59.8	58.6	69.3	69.5	57.0	57.0	47.2	53.6	57.3	57.1
Employed .....	7,181	7,507	4,835	4,902	2,348	2,605	1,995	2,068	57	59	1,938	2,007
Unemployed .....	1,806	1,564	1,338	1,137	466	426	471	438	7	9	464	429
Unemployment rate .....	20.1	17.2	21.7	18.8	16.6	14.1	19.1	17.5	10.7	13.1	19.3	17.6
Not in labor force .....	5,406	5,596	4,157	4,263	1,249	1,333	1,859	1,886	71	59	1,788	1,827
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	8,033	8,373	4,815	4,943	3,218	3,430	1,344	1,348	62	33	1,282	1,313
Civilian labor force .....	5,071	5,317	2,987	2,988	2,084	2,329	847	882	43	25	804	637
Percent of population .....	63.1	63.5	62.0	60.4	64.8	67.9	63.0	64.0	69.5	( <sup>1</sup> )	62.7	63.7
Employed .....	4,334	4,727	2,546	2,652	1,788	2,075	712	732	24	24	688	708
Unemployed .....	738	590	441	337	297	253	136	130	19	-	117	130
Unemployment rate .....	14.5	11.1	14.8	11.3	14.3	10.9	16.0	15.1	( <sup>1</sup> )	( <sup>1</sup> )	14.6	15.5
Not in labor force .....	2,962	3,056	1,828	1,955	1,134	1,102	497	466	19	8	476	478

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983	IV 1982	IV 1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	30,199	30,398	142,847	144,552	11,283	11,341	106,826	108,121	18,916	19,057	36,021	36,431
Civilian labor force .....	17,082	17,259	93,618	94,735	6,187	6,214	70,691	71,531	10,895	11,045	22,926	23,204
Percent of population .....	56.6	56.8	65.5	65.5	54.8	54.8	66.2	66.2	57.6	58.0	63.6	63.7
Employed .....	14,710	15,153	84,641	87,673	5,092	5,224	63,957	66,329	9,619	9,929	20,684	21,344
Unemployed .....	2,372	2,106	8,977	7,062	1,095	990	6,734	5,202	1,277	1,116	2,243	1,860
Unemployment rate .....	13.9	12.2	9.6	7.5	17.7	15.9	9.5	7.3	11.7	10.1	9.8	8.0
Men, 20 years and over .....	12.7	11.0	8.9	6.8	16.7	14.4	8.8	6.7	10.5	9.1	9.0	7.1
Women, 20 years and over .....	11.7	10.7	8.2	6.4	14.7	13.9	8.1	6.2	9.9	8.8	8.7	7.2
Both sexes, 16 to 19 years .....	33.7	30.4	22.3	18.6	42.6	41.1	22.8	18.2	29.1	24.8	20.8	19.7
Men .....	33.9	30.1	24.8	20.0	43.0	43.6	25.5	19.2	29.6	24.0	22.7	22.3
Women .....	33.4	30.6	19.8	17.2	42.1	38.7	20.1	17.2	28.5	25.7	18.7	17.0
Not in labor force .....	13,117	13,139	49,229	49,816	5,097	5,127	36,135	36,589	8,020	8,012	13,094	13,227
<b>White</b>												
Civilian noninstitutional population .....	21,235	21,341	128,692	129,986	5,711	5,863	94,437	95,328	15,524	15,479	34,255	34,658
Civilian labor force .....	12,271	12,379	84,151	85,149	3,216	3,278	62,355	63,058	9,055	9,100	21,796	22,091
Percent of population .....	57.8	58.0	65.4	65.5	56.3	55.9	66.0	66.1	58.3	58.8	63.6	63.7
Employed .....	1,078	11,248	76,727	79,404	2,799	2,900	56,983	58,995	8,137	8,348	19,744	20,409
Unemployed .....	1,335	1,131	7,424	5,746	417	379	5,372	4,063	918	752	2,052	1,683
Unemployment rate .....	10.9	9.1	8.8	6.7	13.0	11.5	8.6	6.4	10.1	8.3	9.4	7.6
Men, 20 years and over .....	10.2	8.6	8.1	6.2	12.6	11.2	7.9	6.0	9.3	7.7	8.7	6.8
Women, 20 years and over .....	8.7	7.7	7.6	5.7	10.3	9.4	7.4	5.4	8.2	7.1	8.3	6.7
Both sexes, 16 to 19 years .....	27.0	21.3	20.4	16.7	31.2	27.5	20.6	15.8	25.7	19.3	19.9	19.0
Men .....	27.7	22.1	22.7	18.4	31.9	28.0	23.0	17.2	26.5	20.5	21.8	21.6
Women .....	25.8	20.4	18.2	14.9	30.1	27.0	18.3	14.4	24.5	17.7	17.8	16.2
Not in labor force .....	8,964	8,963	44,541	44,837	2,495	2,584	32,083	32,270	6,469	6,378	12,458	12,567
<b>Black</b>												
Civilian noninstitutional population .....	8,382	8,317	10,337	10,739	5,299	5,159	9,094	9,508	3,083	3,158	1,242	1,231
Civilian labor force .....	4,492	4,477	6,962	7,097	2,819	2,748	6,168	6,323	1,673	1,730	794	774
Percent of population .....	53.6	53.8	66.3	66.1	53.2	53.3	67.8	66.5	54.3	54.8	63.9	62.8
Employed .....	3,515	3,568	5,661	6,005	2,167	2,153	5,014	5,354	1,348	1,415	647	651
Unemployed .....	977	909	1,301	1,092	652	594	1,154	969	324	315	147	122
Unemployment rate .....	21.7	20.3	18.7	15.4	23.1	21.6	18.7	15.3	19.4	18.2	18.5	15.8
Men, 20 years and over .....	20.4	17.9	18.6	13.3	22.4	19.5	18.8	13.5	17.1	15.4	17.0	11.7
Women, 20 years and over .....	18.1	17.6	14.8	13.7	18.7	18.7	14.6	13.3	17.2	15.7	16.4	17.0
Both sexes, 16 to 19 years .....	53.3	56.1	47.4	44.4	55.0	57.3	48.0	45.0	50.2	54.2	( <sup>1</sup> )	( <sup>1</sup> )
Men .....	55.5	55.4	51.8	41.1	57.4	62.1	52.1	40.9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women .....	51.0	56.7	42.5	48.5	52.6	52.8	43.5	50.2	( <sup>1</sup> )	62.4	( <sup>1</sup> )	( <sup>1</sup> )
Not in labor force .....	3,890	3,840	3,375	3,642	2,480	2,412	2,927	3,185	1,410	1,428	449	458
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	2,527	2,507	6,850	7,212	1,866	1,899	6,167	6,474	661	608	683	738
Civilian labor force .....	1,366	1,355	4,553	4,823	990	984	4,081	4,333	376	371	471	491
Percent of population .....	54.0	54.0	66.5	66.9	53.0	51.8	66.2	66.9	56.9	61.0	69.0	66.5
Employed .....	1,135	1,146	3,910	4,312	823	837	3,511	3,890	312	309	399	422
Unemployed .....	231	209	642	511	167	147	571	443	64	62	72	68
Unemployment rate .....	16.9	15.4	14.1	10.6	16.9	14.9	14.0	10.2	17.0	16.6	15.2	13.9
Men, 20 years and over .....	15.9	14.4	11.9	10.0	15.5	13.8	12.1	8.6	16.9	16.1	9.7	13.8
Women, 20 years and over .....	13.5	13.2	13.8	9.5	15.0	11.9	13.1	9.3	8.8	17.2	19.9	11.4
Both sexes, 16 to 19 years .....	34.8	30.0	30.5	21.5	33.2	35.4	30.4	21.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Men .....	34.8	28.6	33.1	22.9	( <sup>1</sup> )	( <sup>1</sup> )	33.6	22.7	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Women .....	( <sup>1</sup> )	31.4	27.1	19.7	( <sup>1</sup> )	( <sup>1</sup> )	26.3	19.1	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Not in labor force .....	1,161	1,152	2,297	2,388	876	915	2,085	2,141	285	237	212	247

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	IV 1982					IV 1983				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>										
Total families .....	61,773	8,408	31.2	68.8	58.0	82,218	6,799	30.7	69.3	60.3
With children under 18 years of age .....	31,202	5,119	33.2	66.8	55.6	31,002	4,070	32.0	68.0	59.0
Married-couple families .....	49,761	6,271	23.8	76.2	65.1	49,928	4,921	23.0	77.0	68.0
With children under 18 years of age .....	24,598	3,931	24.2	75.8	63.8	24,268	3,009	21.6	78.4	68.7
Families maintained by women .....	9,581	1,698	54.8	45.2	34.5	9,799	1,501	53.6	46.4	36.8
With children under 18 years of age .....	5,784	1,032	64.1	35.9	26.9	5,860	927	62.5	37.5	29.6
Families maintained by men .....	2,431	438	46.3	53.7	45.9	2,490	378	39.9	60.1	52.6
With children under 18 years of age .....	819	156	56.4	43.6	36.5	874	135	52.2	47.8	42.6
<b>White</b>										
Total families .....	53,712	6,653	29.0	71.0	60.0	53,973	5,216	28.1	71.9	62.9
With children under 18 years of age .....	26,287	4,006	30.5	69.5	57.8	26,002	3,010	28.4	71.6	62.2
Married-couple families .....	45,103	5,311	23.6	76.4	65.3	45,189	4,109	23.5	76.5	67.8
With children under 18 years of age .....	21,845	3,303	23.8	76.2	64.1	21,494	2,450	22.1	77.9	68.4
Families maintained by women .....	6,635	1,014	52.9	47.1	35.9	6,807	832	47.8	52.2	41.5
With children under 18 years of age .....	3,777	581	63.5	36.5	25.8	3,801	459	57.1	42.9	33.1
Families maintained by men .....	1,973	328	44.1	55.9	47.7	1,997	274	36.7	63.3	54.5
With children under 18 years of age .....	666	122	54.1	45.9	40.2	707	102	50.0	50.0	45.1
<b>Black</b>										
Total families .....	6,679	1,526	40.4	59.6	49.5	6,790	1,389	39.9	60.1	51.6
With children under 18 years of age .....	4,048	968	43.8	56.2	47.0	4,064	923	42.5	57.5	49.7
Married-couple families .....	3,542	779	24.6	75.4	64.4	3,610	665	18.7	81.3	71.4
With children under 18 years of age .....	2,023	507	24.6	75.4	64.0	2,012	448	16.7	83.3	73.0
Families maintained by women .....	2,760	648	57.6	42.4	32.7	2,788	640	61.2	38.8	31.4
With children under 18 years of age .....	1,896	430	65.3	34.7	28.1	1,922	452	67.8	32.2	26.5
Families maintained by men .....	376	101	53.5	46.5	41.6	392	84	44.6	55.4	49.4
With children under 18 years of age .....	129	31	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	131	23	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Hispanic origin</b>										
Total families .....	3,385	658	35.7	64.3	53.5	3,547	565	35.3	64.7	55.1
With children under 18 years of age .....	2,310	480	40.0	60.0	50.0	2,388	398	39.2	60.8	50.0
Married-couple families .....	2,489	492	29.1	70.9	59.8	2,587	413	29.0	71.0	61.1
With children under 18 years of age .....	1,729	369	31.3	68.7	58.0	1,763	311	31.5	68.5	57.2
Families maintained by women .....	715	134	61.9	38.1	29.1	786	114	59.6	40.4	32.5
With children under 18 years of age .....	525	102	70.6	29.4	21.6	566	76	67.1	32.9	26.3
Families maintained by men .....	181	32	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	173	38	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
With children under 18 years of age .....	56	9	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	59	11	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1982				IV 1983			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Total unemployed .....	11,349	42.9	57.1	48.1	9,168	43.2	56.8	49.2
In families .....	9,790	33.8	66.2	55.7	7,768	33.0	67.0	58.1
Husbands .....	2,735	45.0	55.0	38.6	1,970	43.5	56.5	43.4
With children under 18 years of age .....	1,791	48.1	51.9	33.8	1,254	45.9	54.1	39.4
Wives .....	2,027	22.5	77.5	70.1	1,533	20.9	79.1	71.3
With children under 18 years of age .....	1,339	21.9	78.1	70.5	994	18.6	81.4	73.0
Relatives in married-couple families .....	2,524	11.3	88.7	81.9	2,081	13.0	87.0	82.0
Women who maintain families .....	728	82.9	17.1	10.0	652	83.0	17.0	9.2
With children under 18 years of age .....	606	89.8	10.2	5.0	542	90.0	10.0	4.2
Relatives in families maintained by women .....	1,261	37.8	62.2	49.3	1,104	36.3	63.7	52.8
Men who maintain families .....	201	75.7	24.3	15.4	170	65.0	35.0	28.3
With children under 18 years of age .....	89	84.4	15.6	7.4	78	80.7	19.3	14.3
Relatives in families maintained by men .....	313	33.3	66.7	59.3	258	24.2	75.8	66.7
Not in families <sup>1</sup> .....	1,559	-	-	-	1,400	-	-	-
<b>White</b>								
Total unemployed .....	8,759	41.1	58.9	49.7	6,877	41.1	58.9	51.3
In families .....	7,564	31.7	68.3	57.5	5,824	30.5	69.5	60.6
Husbands .....	2,313	45.8	54.2	37.5	1,871	44.6	55.4	42.3
With children under 18 years of age .....	1,495	48.8	51.2	32.7	1,030	47.4	52.6	37.6
Wives .....	1,715	21.0	79.0	71.5	1,300	20.7	79.3	72.2
With children under 18 years of age .....	1,119	19.9	80.1	72.3	823	18.0	82.0	74.4
Relatives in married-couple families .....	2,036	10.3	89.7	83.0	1,648	12.9	87.1	82.4
Women who maintain families .....	433	79.5	20.5	11.2	331	78.1	23.9	13.9
With children under 18 years of age .....	352	87.5	12.5	5.1	255	85.8	14.2	5.8
Relatives in families maintained by women .....	700	36.7	63.3	50.5	579	32.2	67.8	55.5
Men who maintain families .....	150	75.0	25.0	16.1	123	63.8	36.2	28.3
With children under 18 years of age .....	70	85.3	14.7	7.1	56	(?)	(?)	(?)
Relatives in families maintained by men .....	217	28.8	73.2	64.3	171	18.0	82.0	73.3
Not in families <sup>1</sup> .....	1,195	-	-	-	1,053	-	-	-
<b>Black</b>								
Total unemployed .....	2,277	49.8	50.2	41.7	2,001	49.9	50.1	42.7
In families .....	1,953	41.5	58.5	48.8	1,704	41.2	58.8	50.2
Husbands .....	331	40.3	59.7	44.0	232	33.9	66.1	51.4
With children under 18 years of age .....	229	43.1	56.9	39.3	168	34.4	65.6	51.3
Wives .....	258	30.8	69.2	61.2	189	23.0	77.0	88.5
With children under 18 years of age .....	187	31.6	68.4	61.3	139	21.5	78.5	86.4
Relatives in married-couple families .....	410	15.2	84.8	77.1	364	12.8	87.2	81.3
Women who maintain families .....	279	88.7	11.3	7.9	305	90.6	9.4	4.3
With children under 18 years of age .....	243	93.0	7.0	5.1	275	94.0	6.0	2.8
Relatives in families maintained by women .....	542	38.7	61.3	47.9	503	41.0	59.0	50.0
Men who maintain families .....	45	(?)	(?)	(?)	33	(?)	(?)	(?)
With children under 18 years of age .....	17	(?)	(?)	(?)	13	(?)	(?)	(?)
Relatives in families maintained by men .....	89	50.1	49.9	48.9	77	38.7	61.3	52.5
Not in families <sup>1</sup> .....	324	-	-	-	297	-	-	-
<b>Hispanic origin</b>								
Total unemployed .....	873	44.9	55.1	45.2	720	43.7	56.3	47.9
In families .....	778	38.2	61.8	50.7	641	36.8	63.2	53.8
Husbands .....	222	59.0	41.0	29.2	210	53.9	46.1	36.8
With children under 18 years of age .....	174	82.3	37.7	26.7	165	57.0	43.0	32.6
Wives .....	155	20.4	79.6	67.9	126	24.6	75.4	61.0
With children under 18 years of age .....	117	20.8	79.2	67.9	98	26.2	73.8	56.8
Relatives in married-couple families .....	204	11.0	89.0	78.6	138	3.3	96.7	93.7
Women who maintain families .....	64	65.8	14.2	10.8	52	(?)	(?)	(?)
With children under 18 years of age .....	56	(?)	(?)	(?)	45	(?)	(?)	(?)
Relatives in families maintained by women .....	92	48.3	53.7	39.8	73	38.0	62.0	51.1
Men who maintain families .....	18	(?)	(?)	(?)	17	(?)	(?)	(?)
With children under 18 years of age .....	6	(?)	(?)	(?)	8	(?)	(?)	(?)
Relatives in families maintained by men .....	25	(?)	(?)	(?)	25	(?)	(?)	(?)
Not in families <sup>1</sup> .....	95	-	-	-	79	-	-	-

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

<sup>2</sup> Data not shown where base is less than 80,000.

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1982				IV 1983			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Total employed .....	99,351	38.5	61.5	50.7	102,828	37.2	62.8	52.8
In families .....	83,605	27.0	73.0	60.3	86,290	25.2	74.8	62.7
Husbands .....	38,994	36.3	63.7	44.2	37,614	34.1	65.9	46.7
With children under 18 years of age .....	21,899	39.0	61.0	38.7	21,903	36.4	63.6	41.3
Wives .....	24,094	11.5	88.5	82.1	24,983	9.9	90.1	84.7
With children under 18 years of age .....	13,043	8.2	91.8	86.3	13,472	6.5	93.5	89.0
Relatives in married-couple families .....	11,036	6.9	93.1	87.7	11,374	7.0	93.0	88.5
Women who maintain families .....	5,065	67.3	32.7	20.5	5,258	85.7	34.3	22.0
With children under 18 years of age .....	3,377	79.5	20.5	9.7	3,430	79.1	20.9	9.5
Relatives in families maintained by women .....	3,587	28.0	72.0	60.3	3,988	26.1	73.9	63.1
Men who maintain families .....	1,618	57.8	42.2	31.1	1,713	52.8	47.2	34.8
With children under 18 years of age .....	640	73.2	26.8	14.5	712	88.5	31.5	16.2
Relatives in families maintained by men .....	1,211	18.8	81.2	72.2	1,382	18.1	81.9	73.1
Not in families <sup>1</sup> .....	15,746	-	-	-	16,536	-	-	-
<b>White</b>								
Total employed .....	87,663	37.9	62.1	51.0	90,651	36.7	63.3	52.8
In families .....	73,938	26.4	73.6	60.5	76,234	24.7	75.3	62.8
Husbands .....	33,838	36.7	63.3	43.3	34,143	34.6	65.4	45.7
With children under 18 years of age .....	19,470	39.7	60.3	37.1	19,586	37.2	62.8	39.6
Wives .....	21,571	11.1	88.9	82.5	22,392	9.5	90.5	85.2
With children under 18 years of age .....	11,431	7.6	92.4	86.8	11,802	5.9	94.1	89.8
Relatives in married-couple families .....	9,959	8.9	91.1	87.7	10,274	6.9	93.1	88.7
Women who maintain families .....	3,684	64.5	35.5	22.0	3,890	63.2	36.8	23.3
With children under 18 years of age .....	2,403	77.6	22.4	10.1	2,494	76.9	23.1	9.8
Relatives in families maintained by women .....	2,744	27.5	72.5	61.0	3,014	26.5	73.5	63.1
Men who maintain families .....	1,354	57.5	42.5	30.4	1,409	52.6	47.4	34.5
With children under 18 years of age .....	536	71.7	28.3	14.7	588	88.2	31.8	17.3
Relatives in families maintained by men .....	987	18.8	81.2	73.1	1,113	17.8	82.2	73.9
Not in families <sup>1</sup> .....	13,725	-	-	-	14,417	-	-	-
<b>Black</b>								
Total employed .....	9,176	45.2	54.8	46.2	9,573	42.6	57.4	49.4
In families .....	7,575	33.7	66.3	56.0	7,894	30.4	69.6	59.9
Husbands .....	2,517	31.9	68.1	53.9	2,595	26.5	73.5	58.2
With children under 18 years of age .....	1,631	31.3	68.7	54.7	1,882	27.9	72.1	58.2
Wives .....	1,892	16.9	83.1	76.1	1,972	14.7	85.3	79.5
With children under 18 years of age .....	1,202	13.2	86.8	80.8	1,257	11.6	88.4	83.6
Relatives in married-couple families .....	743	6.3	93.7	86.1	765	8.1	91.9	86.4
Women who maintain families .....	1,281	78.2	21.8	15.4	1,258	73.2	26.8	18.3
With children under 18 years of age .....	911	85.0	15.0	8.2	863	85.1	14.9	9.0
Relatives in families maintained by women .....	751	31.0	69.0	56.9	862	25.0	75.0	63.2
Men who maintain families .....	215	61.2	38.8	32.5	242	54.4	45.6	34.7
With children under 18 years of age .....	88	81.9	18.1	13.6	102	67.7	32.3	23.0
Relatives in families maintained by men .....	175	21.9	78.1	64.7	200	21.4	78.6	66.2
Not in families <sup>1</sup> .....	1,601	-	-	-	1,679	-	-	-
<b>Hispanic origin</b>								
Total employed .....	5,045	39.6	60.4	50.4	5,458	37.0	63.0	54.5
In families .....	4,393	30.7	69.3	57.9	4,776	28.0	72.0	62.3
Husbands .....	1,936	43.8	56.2	41.4	2,034	41.2	58.8	46.0
With children under 18 years of age .....	1,449	46.8	53.2	37.9	1,495	44.3	55.7	42.2
Wives .....	1,050	11.2	88.8	81.8	1,188	8.6	91.4	85.2
With children under 18 years of age .....	718	9.2	90.8	84.6	797	6.8	93.2	87.8
Relatives in married-couple families .....	631	7.9	92.1	82.7	740	7.7	92.3	85.6
Women who maintain families .....	291	66.8	33.2	21.5	321	64.8	35.2	24.9
With children under 18 years of age .....	207	76.6	23.4	12.8	216	75.8	24.2	13.7
Relatives in families maintained by women .....	223	24.7	75.3	65.2	252	28.7	71.3	62.2
Men who maintain families .....	138	49.4	50.6	39.3	124	37.4	62.6	51.6
With children under 18 years of age .....	41	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	41	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Relatives in families maintained by men .....	124	11.6	88.2	60.6	118	10.1	89.9	78.5
Not in families <sup>1</sup> .....	852	-	-	-	882	-	-	-

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

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

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



**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	III 1982	III 1983	III 1982	III 1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>TOTAL</b>						
Total families with earners <sup>1</sup>	41,059	41,177	\$455	\$481	5.7	3.1
Married-couple families	33,437	33,394	498	528	5.9	3.3
One earner	14,776	14,441	346	366	5.7	3.2
Husband	11,628	11,440	399	415	4.0	1.5
Wife	2,437	2,272	197	209	6.4	3.8
Other family member	711	729	180	194	8.0	5.4
Two or more earners	18,661	18,952	626	661	5.6	3.1
Husband and wife	15,759	16,028	633	668	5.6	3.1
Husband and other family member(s)	2,277	2,244	639	682	6.8	4.2
Wife and other family member(s)	452	536	401	397	-1.1	-3.5
Other family members only	173	145	426	410	-3.7	-6.1
Families maintained by women	5,967	6,101	257	274	6.4	3.8
One earner	4,206	4,216	213	222	4.1	1.6
Householder	3,246	3,243	220	231	5.1	2.6
Other family member	960	973	185	188	1.4	-1.0
Two or more earners	1,761	1,885	417	454	8.9	6.3
Families maintained by men	1,654	1,682	393	426	8.4	5.8
One earner	1,113	998	332	339	2.0	-5
Two or more earners	541	683	568	603	6.3	3.7
<b>White</b>						
Total families with earners <sup>1</sup>	35,531	35,495	472	498	5.4	2.8
Married-couple families	29,828	29,683	507	536	5.7	3.2
One earner	13,356	12,993	359	381	6.1	3.5
Husband	10,643	10,505	407	422	3.6	1.1
Wife	2,070	1,854	198	210	6.2	3.7
Two or more earners	16,472	16,690	635	668	5.2	2.7
Husband and wife	13,881	14,058	641	674	5.2	2.6
Families maintained by women	4,365	4,459	271	290	6.8	4.3
Families maintained by men	1,339	1,353	412	447	8.3	5.7
<b>Black</b>						
Total families with earners <sup>1</sup>	4,554	4,677	332	351	5.7	3.2
Married-couple families	2,836	2,906	407	434	6.7	4.1
One earner	1,109	1,116	239	239	.0	-2.4
Husband	728	691	273	288	5.8	3.2
Wife	329	345	194	200	3.2	.8
Two or more earners	1,727	1,790	527	587	11.2	8.5
Husband and wife	1,480	1,560	541	605	11.8	9.2
Families maintained by women	1,460	1,503	223	234	4.7	2.2
Families maintained by men	257	288	299	329	9.9	7.3
<b>Hispanic origin</b>						
Total families with earners <sup>1</sup>	2,482	2,574	355	377	6.1	3.6
Married-couple families	1,972	1,994	390	415	6.4	3.8
One earner	1,011	932	261	280	7.3	4.7
Husband	845	790	290	304	5.0	2.5
Wife	127	91	171	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Two or more earners	961	1,062	517	\$556	7.5	4.9
Husband and wife	802	861	531	554	4.3	1.8
Families maintained by women	394	435	220	229	3.9	1.4
Families maintained by men	115	145	295	384	30.4	27.3

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

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

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	III 1982	III 1983	III 1982	III 1983	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families <sup>1</sup> .....	4,333	4,150	\$352	\$383	8.9	6.3
Husband unemployed .....	1,298	1,143	201	217	8.1	5.5
Wife only earner .....	1,057	849	197	209	6.1	3.5
Wife and other earner(s) .....	129	170	360	353	-2.0	-4.3
Other earner(s) only .....	112	124	119	128	7.5	4.9
Wife unemployed .....	1,403	1,455	343	385	12.3	9.6
Husband only earner .....	1,201	1,248	327	361	10.6	7.9
Husband and other earner(s) .....	173	179	563	629	11.7	9.0
Other earner(s) only .....	29	28	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Other member(s) unemployed .....	1,633	1,552	\$539	\$584	8.3	5.7
Husband or wife earner .....	683	681	430	444	3.1	.6
Both husband and wife earners .....	885	801	859	695	5.4	2.8
Other combinations of earners .....	65	70	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Families maintained by women <sup>1</sup> .....	777	721	\$228	\$259	13.7	11.0
Householder unemployed .....	103	104	148	193	29.9	26.8
Other member(s) unemployed .....	674	617	240	273	13.9	11.2
Families maintained by men <sup>1</sup> .....	263	226	308	353	14.4	11.6

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

either self-employed or in the Armed Forces.

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

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

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1982	III 1983	III 1982	III 1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	72,011	73,389	\$307	\$320	4.2	1.7
Men, 16 years and over .....	42,975	43,912	371	388	4.6	2.1
16 to 24 years .....	7,614	7,725	221	224	1.0	-1.4
25 years and over .....	35,361	36,186	407	423	3.9	1.4
Women, 16 years and over .....	29,036	29,477	240	251	4.5	2.0
16 to 24 years .....	6,173	5,927	189	198	5.0	2.4
25 years and over .....	22,863	23,550	258	270	4.9	2.4
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	29,045	29,340	409	426	4.0	1.5
Wives .....	14,669	14,975	246	262	6.6	4.0
Others in married-couple families .....	7,104	7,170	196	209	6.8	4.2
Women who maintain families .....	4,008	4,059	244	259	6.0	3.4
Others in such families .....	2,543	2,757	211	217	3.0	.5
Men who maintain families .....	1,320	1,308	366	379	3.3	.8
Others in such families .....	796	967	216	230	6.1	3.5
All other men <sup>1</sup> .....	6,697	6,877	350	359	2.5	.1
All other women <sup>1</sup> .....	5,825	5,937	272	274	.6	-1.8
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	62,685	63,880	315	327	3.9	1.4
Men .....	38,054	38,868	383	399	4.4	1.9
Women .....	24,631	25,012	242	254	5.0	2.4
Black .....	7,452	7,602	248	261	5.1	2.6
Men .....	3,897	3,977	283	300	6.1	3.5
Women .....	3,555	3,625	223	234	5.3	2.7
Hispanic origin .....	4,130	4,328	241	248	2.8	.4
Men .....	2,612	2,799	273	278	1.8	-.7
Women .....	1,518	1,529	204	212	3.8	1.3

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

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1982	III 1983	III 1982	III 1983	Percent change over the year in:	
					Current dollars	Constant dollars
<b>SEX AND AGE</b>						
Total, 16 years and over .....	16,310	16,762	\$87	\$90	3.9	1.4
Men, 16 years and over .....	5,421	5,340	85	88	3.4	.9
16 to 24 years .....	3,085	3,188	74	79	6.2	3.7
25 years and over .....	2,336	2,151	112	110	-1.1	-3.5
Women, 16 years and over .....	10,889	11,422	88	92	4.2	1.7
16 to 24 years .....	3,710	4,011	72	74	2.9	.4
25 years and over .....	7,178	7,411	100	103	2.4	.0
<b>FAMILY RELATIONSHIP</b>						
Husbands .....	1,610	1,436	117	114	-2.7	-5.0
Wives .....	5,687	5,833	101	104	2.9	.4
Others in married-couple families .....	4,517	4,877	70	72	3.6	1.1
Women who maintain families .....	794	834	93	99	6.0	3.5
Others in such families .....	1,120	1,231	72	79	9.9	7.2
Men who maintain families .....	96	80	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
Others in such families .....	248	332	\$72	\$88	22.8	19.9
All other men <sup>2</sup> .....	855	719	101	112	11.5	8.8
All other women <sup>2</sup> .....	1,384	1,420	94	96	2.1	-3
<b>RACE AND HISPANIC ORIGIN</b>						
White .....	14,455	14,749	89	92	3.4	.9
Men .....	4,682	4,551	87	89	2.7	.2
Women .....	9,774	10,197	89	93	4.2	1.7
Black .....	1,498	1,606	78	81	3.3	.8
Men .....	566	628	80	82	2.4	-.1
Women .....	932	978	77	81	4.2	1.7
Hispanic origin .....	740	819	87	100	15.1	12.3
Men .....	307	282	83	103	23.8	20.9
Women .....	433	538	92	94	2.1	-4

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

<sup>2</sup> The majority of these persons are living alone or with nonrelatives. Also included are persons in married-couple families where the husband is in the Armed Forces, persons in secondary families, and some whose family status is unknown.

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

**HOUSEHOLD DATA  
NOT SEASONALLY ADJUSTED  
QUARTERLY AVERAGES**

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

Occupation and sex	Number of workers (in thousands)	Median weekly earnings
<b>TOTAL</b>		
Managerial and professional specialty .....	17,298	\$445
Executive, administrative, and managerial .....	8,153	476
Professional specialty .....	9,145	431
Technical, sales, and administrative support .....	22,386	287
Technicians and related support .....	2,700	367
Sales occupations .....	6,486	316
Administrative support, including clerical .....	13,200	266
Service occupations .....	7,793	208
Private household .....	302	113
Protective service .....	1,555	345
Service, except private household and protective .....	5,937	194
Precision production, craft, and repair .....	10,500	392
Mechanics and repairers .....	3,654	394
Construction trades .....	3,315	392
Other precision production, craft, and repair .....	3,531	390
Operators, fabricators, and laborers .....	13,873	279
Machine operators, assemblers, and inspectors .....	7,180	266
Transportation and material moving occupations .....	3,424	341
Handlers, equipment cleaners, helpers, and laborers .....	3,269	239
Farming, forestry, and fishing .....	1,539	194
<b>Men</b>		
Managerial and professional specialty .....	10,204	550
Executive, administrative, and managerial .....	5,407	568
Professional specialty .....	4,797	533
Technical, sales, and administrative support .....	8,372	402
Technicians and related support .....	1,472	444
Sales occupations .....	3,969	407
Administrative support, including clerical .....	2,931	370
Service occupations .....	3,945	258
Private household .....	13	( <sup>1</sup> )
Protective service .....	1,400	\$356
Service, except private household and protective .....	2,532	223
Precision production, craft, and repair .....	9,718	404
Mechanics and repairers .....	3,544	396
Construction trades .....	3,265	396
Other precision production, craft, and repair .....	2,909	417
Operators, fabricators, and laborers .....	10,349	316
Machine operators, assemblers, and inspectors .....	4,350	327
Transportation and material moving occupations .....	3,267	345
Handlers, equipment cleaners, helpers, and laborers .....	2,733	243
Farming, forestry, and fishing .....	1,324	198
<b>Women</b>		
Managerial and professional specialty .....	7,094	363
Executive, administrative, and managerial .....	2,746	347
Professional specialty .....	4,348	371
Technical, sales, and administrative support .....	14,014	247
Technicians and related support .....	1,228	304
Sales occupations .....	2,517	208
Administrative support, including clerical .....	10,269	248
Service occupations .....	3,849	176
Private household .....	288	112
Protective service .....	155	241
Service, except private household and protective .....	3,405	179
Precision production, craft, and repair .....	782	243
Mechanics and repairers .....	110	365
Construction trades .....	50	( <sup>1</sup> )
Other precision production, craft, and repair .....	622	\$237
Operators, fabricators, and laborers .....	3,523	207
Machine operators, assemblers, and inspectors .....	2,830	205
Transportation and material moving occupations .....	157	239
Handlers, equipment cleaners, helpers, and laborers .....	536	211
Farming, forestry, and fishing .....	215	175

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









**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3532	Mining machinery.....	26.7	26.1	21.6	22.1	-	15.2	14.8	12.2	12.5	-
3533	Oil field machinery.....	89.0	87.7	75.3	76.3	-	56.0	55.0	46.3	48.2	-
3535	Conveyers and conveying equipment.....	28.8	28.5	28.8	28.8	-	14.7	14.7	15.1	15.2	-
3537	Industrial trucks and tractors.....	25.1	25.3	28.1	28.2	-	14.8	14.6	17.6	17.8	-
354	Metalworking machinery.....	286.9	284.4	287.1	291.9	-	197.6	195.7	201.2	205.4	-
3541	Machine tools, metal cutting types.....	54.1	52.7	48.9	50.0	-	31.5	30.4	28.3	29.1	-
3542	Machine tools, metal forming types.....	18.0	17.5	17.1	17.4	-	10.3	10.0	10.0	10.4	-
3544	Special dies, tools, jigs, and fixtures.....	118.8	119.3	125.2	127.0	-	91.9	92.0	97.2	98.8	-
3545	Machine tool accessories.....	53.5	52.4	53.8	54.7	-	35.1	34.4	37.0	37.7	-
3546	Power driven hand tools.....	23.2	23.3	25.1	25.2	-	16.8	16.9	18.3	18.5	-
355	Special industry machinery.....	165.8	163.8	161.1	162.4	-	98.9	97.5	94.6	95.4	-
3551	Food products machinery.....	37.5	37.2	35.8	35.9	-	23.4	23.2	21.9	21.9	-
3552	Textile machinery.....	20.5	20.5	19.9	20.2	-	13.5	13.6	13.6	13.8	-
3555	Printing trades machinery.....	34.3	34.4	33.6	33.9	-	20.0	20.1	19.1	19.4	-
356	General industrial machinery.....	260.0	255.2	257.0	259.5	-	159.1	155.1	159.8	162.3	-
3561	Pumps and pumping equipment.....	52.0	51.5	50.1	50.6	-	29.0	28.6	28.0	28.6	-
3562	Ball and roller bearings.....	42.6	40.9	46.7	47.4	-	31.4	29.1	34.8	35.4	-
3563	Air and gas compressors.....	26.3	26.0	22.8	22.7	-	13.8	13.6	11.7	11.9	-
3564	Blowers and fans.....	34.9	34.4	35.0	35.1	-	21.4	21.0	21.2	21.1	-
3566	Speed changers, drives, and gears.....	19.5	18.9	20.0	20.1	-	12.0	11.7	12.8	13.0	-
3568	Power transmission equipment, nec.....	17.6	17.4	17.0	17.0	-	11.4	11.4	11.2	11.3	-
357	Office and computing machines.....	475.2	478.5	498.8	502.7	-	186.9	189.0	199.1	200.1	-
3573	Electronic computing equipment.....	407.6	411.3	434.1	436.8	-	152.9	155.1	167.4	169.9	-
358	Refrigeration and service machinery.....	150.6	151.5	168.3	170.2	-	100.5	100.2	116.3	118.0	-
3585	Refrigeration and heating equipment.....	100.9	102.1	118.0	119.7	-	68.1	68.0	83.0	84.4	-
359	Misc. machinery, except electrical.....	245.4	243.3	258.2	262.7	-	180.8	178.9	192.7	195.8	-
3592	Carburetors, pistons, rings, valves.....	31.2	30.9	34.7	36.3	-	23.7	23.5	27.4	28.3	-
3599	Machinery, except electrical, nec.....	214.2	212.4	223.5	226.4	-	157.1	155.4	165.3	167.5	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b> .....	<b>1,977.3</b>	<b>1,961.8</b>	<b>2,115.8</b>	<b>2,133.5</b>	<b>2,150.5</b>	<b>1,176.4</b>	<b>1,164.0</b>	<b>1,297.4</b>	<b>1,309.9</b>	<b>1,328.6</b>
361	Electric distributing equipment.....	108.4	108.1	109.7	111.3	-	75.2	74.9	78.5	79.5	-
3612	Transformers.....	47.4	47.1	47.3	48.7	-	33.1	32.8	32.9	33.8	-
3613	Switchgear and switchboard apparatus.....	61.0	61.0	62.4	62.6	-	42.1	42.1	45.6	45.7	-
362	Electrical industrial apparatus.....	189.0	187.8	197.1	198.8	-	128.7	127.5	138.0	139.8	-
3621	Motors and generators.....	92.8	91.7	99.7	101.0	-	69.4	68.5	77.0	78.1	-
3622	Industrial controls.....	60.0	59.8	59.7	60.0	-	35.3	35.1	35.7	36.2	-
363	Household appliances.....	139.5	133.3	156.5	151.4	-	106.9	101.4	122.5	117.5	-
3632	Household refrigerators and freezers.....	23.8	22.6	28.0	23.5	-	18.3	17.2	22.7	18.2	-
3633	Household laundry equipment.....	19.2	19.1	24.2	24.0	-	14.2	14.1	18.6	18.6	-
3634	Electric housewares and fans.....	45.4	43.4	46.0	45.5	-	35.0	33.4	35.4	35.0	-
364	Electric lighting and wiring equipment.....	180.5	172.8	192.0	193.0	-	130.8	123.9	141.1	142.1	-
3641	Electric lamps.....	28.7	20.9	27.5	27.5	-	25.1	18.0	24.0	24.0	-
3643	Current-carrying wiring devices.....	74.9	75.0	81.6	82.1	-	48.7	49.0	54.8	55.3	-
3644	Noncurrent-carrying wiring devices.....	17.3	17.0	17.4	17.3	-	12.6	12.2	12.7	12.6	-
3645	Residential lighting fixtures.....	22.9	22.9	26.1	25.9	-	17.4	17.3	20.0	19.7	-
365	Radio and TV receiving equipment.....	87.7	85.9	91.1	92.1	-	59.9	58.8	63.3	64.1	-
3651	Radio and TV receiving sets.....	67.6	66.3	70.5	70.9	-	45.3	44.6	48.0	48.3	-
366	Communication equipment.....	574.0	573.5	588.1	592.8	-	261.5	262.4	265.8	270.0	-
3661	Telephone and telegraph apparatus.....	143.1	140.4	139.3	141.1	-	89.8	89.8	88.7	90.3	-
3662	Radio and TV communication equipment.....	430.9	433.1	448.8	451.7	-	171.7	172.6	177.1	179.7	-
367	Electronic components and accessories.....	554.2	557.6	622.0	632.0	-	311.7	313.9	371.9	378.4	-
3671-3	Electronic tubes.....	42.3	42.4	44.7	44.9	-	25.9	26.1	27.8	27.7	-
3674	Semiconductors and related devices.....	226.1	228.7	245.8	249.5	-	90.1	91.2	105.5	107.1	-
3679	Electronic components, nec.....	219.7	220.8	255.6	260.1	-	146.7	147.9	181.2	184.6	-
368	Misc. electrical equipment and supplies.....	144.0	142.8	159.3	162.1	-	101.7	101.2	116.3	118.5	-
3681	Storage batteries.....	30.3	30.0	32.3	34.0	-	23.7	23.5	26.7	27.3	-
3684	Engine electrical equipment.....	54.0	54.3	62.8	64.2	-	41.5	42.4	49.6	50.9	-
37	<b>TRANSPORTATION EQUIPMENT</b> .....	<b>1,575.1</b>	<b>1,697.0</b>	<b>1,862.7</b>	<b>1,870.6</b>	<b>1,870.9</b>	<b>1,024.2</b>	<b>1,046.0</b>	<b>1,190.6</b>	<b>1,197.5</b>	<b>1,200.2</b>
371	Motor vehicles and equipment.....	659.6	684.4	838.8	845.2	-	476.5	501.1	644.2	652.1	-
3711	Motor vehicles and car bodies.....	296.8	325.7	397.1	396.5	-	201.6	229.9	295.0	295.9	-
3713	Truck and bus bodies.....	27.0	27.6	34.0	34.4	-	19.7	20.4	26.1	26.6	-
3714	Motor vehicle parts and accessories.....	309.6	304.5	368.0	373.3	-	236.0	231.1	292.2	297.3	-
3715	Truck trailers.....	19.2	19.3	21.9	28.0	-	13.8	14.0	20.6	21.7	-
372	Aircraft and parts.....	589.5	589.7	577.9	575.0	-	295.2	296.1	278.2	274.1	-
3721	Aircraft.....	312.6	312.5	307.0	301.6	-	138.9	139.7	130.3	124.1	-
3724	Aircraft engines and engine parts.....	147.1	147.5	140.0	141.6	-	82.2	82.3	73.1	74.6	-
3728	Aircraft equipment, nec.....	129.8	129.7	130.9	131.8	-	74.1	74.1	74.8	75.4	-
373	Ship and boat building and repairing.....	202.1	199.3	206.0	209.6	-	152.3	148.9	157.3	159.6	-
3731	Ship building and repairing.....	166.9	164.0	160.3	163.5	-	123.9	120.4	119.7	121.9	-
3732	Boat building and repairing.....	35.2	35.3	45.7	46.1	-	28.4	28.5	37.6	37.8	-
374	Railroad equipment.....	32.3	30.2	31.4	31.1	-	19.9	18.2	20.4	20.3	-
376	Guided missiles, space vehicles, parts.....	136.4	137.4	146.3	147.3	-	42.6	43.4	47.2	48.3	-
3761	Guided missiles and space vehicles.....	108.2	109.1	115.9	116.6	-	32.7	33.6	36.3	36.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
379	Miscellaneous transportation equipment .....	43.3	43.8	47.9	47.9	-	29.2	29.6	32.4	32.3	-
3792	Travel trailers and campers .....	15.3	15.7	20.4	20.4	-	11.5	11.9	16.2	16.3	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS</b> .....	700.3	695.7	698.7	701.5	706.0	393.2	390.8	392.9	394.8	396.5
381	Engineering and scientific instruments .....	79.9	79.5	81.8	82.1	-	36.9	36.6	37.4	37.8	-
382	Measuring and controlling devices .....	237.7	237.4	239.5	240.8	-	140.7	140.4	141.5	142.0	-
3822	Environmental controls .....	41.6	42.2	46.6	46.8	-	26.6	27.1	30.4	30.7	-
3823	Process control instruments .....	57.1	56.7	53.7	53.7	-	28.3	27.9	25.4	25.4	-
3825	Instruments to measure electricity .....	99.7	99.5	99.5	100.0	-	59.7	59.3	53.9	53.6	-
383	Optical instruments and lenses .....	32.9	32.8	34.2	34.2	-	17.7	17.4	17.7	17.8	-
384	Medical instruments and supplies .....	156.8	155.8	162.1	163.1	-	95.2	94.7	99.0	99.9	-
3841	Surgical and medical instruments .....	75.4	74.5	77.4	77.7	-	43.1	42.6	45.2	45.4	-
3842	Surgical appliances and supplies .....	67.2	67.1	70.7	71.2	-	43.7	43.8	45.7	46.2	-
385	Ophthalmic goods .....	36.2	36.2	37.6	37.6	-	24.6	24.8	25.8	25.6	-
386	Photographic equipment and supplies .....	138.6	136.3	126.6	126.7	-	65.9	65.2	59.8	59.7	-
387	Watches, clocks, and watchcases .....	18.2	17.7	16.9	17.0	-	12.2	11.7	11.7	12.0	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b> .....	382.8	369.3	398.1	397.8	390.5	276.2	262.7	291.0	291.4	283.5
391	Jewelry, silverware, and plated ware .....	58.7	57.3	59.4	59.4	-	42.0	40.5	42.3	42.4	-
3911	Jewelry, precious metal .....	38.6	37.8	39.6	39.9	-	27.6	26.7	28.4	28.5	-
393	Musical instruments .....	19.0	18.6	20.4	20.5	-	14.9	14.5	15.1	16.2	-
394	Toys and sporting goods .....	106.3	98.6	116.0	115.6	-	77.1	68.7	85.3	85.3	-
3942, 4	Dolls, games, toys, and children's vehicles .....	55.2	47.4	61.6	60.3	-	38.1	29.8	44.3	43.3	-
3949	Sporting and athletic goods, nec .....	51.1	51.2	54.4	55.3	-	39.0	38.9	41.0	41.9	-
395	Pens, pencils, office and art supplies .....	30.6	30.1	30.9	31.2	-	20.9	20.3	21.4	21.7	-
396	Costume jewelry and notions .....	40.3	38.7	42.2	42.5	-	31.2	29.7	32.9	33.3	-
3961	Costume jewelry .....	21.5	20.8	22.8	23.5	-	17.0	16.4	18.0	18.7	-
399	Miscellaneous manufactures .....	127.9	126.0	129.5	128.6	-	90.1	89.0	93.0	92.6	-
3993	Signs and advertising displays .....	46.6	46.5	49.3	49.3	-	32.7	32.6	34.8	34.8	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS</b> .....	1,552.6	1,614.7	1,688.0	1,656.0	1,626.7	1,141.7	1,108.1	1,178.7	1,145.8	1,117.7
201	Meat products .....	351.3	344.6	352.9	354.3	-	292.9	286.9	296.0	296.3	-
2011	Meat packing plants .....	146.6	144.5	145.8	146.7	-	119.5	118.4	119.3	119.5	-
2013	Sausages and other prepared meats .....	71.9	71.5	70.8	71.6	-	53.3	52.8	52.8	53.3	-
2016	Poultry dressing plants .....	117.3	113.4	119.8	119.8	-	106.4	102.4	109.4	109.2	-
202	Dairy products .....	164.6	164.0	165.6	164.4	-	91.9	91.3	94.8	93.8	-
2022	Cheese, natural and processed .....	35.8	35.8	35.8	36.0	-	27.1	27.1	27.4	27.6	-
2026	Fluid milk .....	92.2	91.8	91.6	91.2	-	41.6	41.3	42.6	42.4	-
203	Preserved fruits and vegetables .....	241.0	219.9	262.1	235.2	-	200.3	179.7	219.8	197.9	-
2032	Canned specialties .....	23.9	24.0	25.7	25.0	-	18.2	18.2	19.4	18.5	-
2033	Canned fruits and vegetables .....	85.2	72.0	93.6	75.4	-	69.2	56.5	78.8	60.9	-
2037	Frozen fruits and vegetables .....	50.7	46.2	54.2	50.2	-	44.3	40.0	47.1	43.2	-
204	Grain mill products .....	136.4	135.9	135.8	134.8	-	88.8	90.8	91.2	90.0	-
2041	Flour and other grain mill products .....	26.0	26.0	27.0	27.2	-	14.3	14.8	15.9	16.1	-
2049	Prepared feeds, nec .....	50.0	50.0	49.0	48.3	-	31.9	31.9	30.9	30.2	-
205	Bakery products .....	219.3	218.2	218.5	219.6	-	129.4	128.4	129.8	130.5	-
2051	Bread, cake, and related products .....	175.9	174.9	175.2	175.7	-	94.3	93.5	95.0	95.2	-
2052	Cookies and crackers .....	43.4	43.3	43.3	43.9	-	35.1	34.9	34.8	35.3	-
206	Sugar and confectionery products .....	112.7	109.0	119.5	119.7	-	89.5	86.0	94.7	94.5	-
2061-3	Cane and beet sugar .....	33.7	31.6	35.3	32.5	-	27.2	25.4	28.3	25.5	-
2066	Confectionery products .....	58.9	57.4	64.1	67.2	-	48.6	47.0	52.9	55.6	-
207	Fats and oils .....	39.3	39.7	36.9	37.1	-	29.7	30.1	27.4	27.6	-
208	Beverages .....	228.2	225.4	227.8	225.8	-	99.1	96.9	97.0	95.6	-
2082	Malt beverages .....	48.8	48.0	47.4	47.5	-	31.0	30.4	28.5	28.3	-
2086	Bottled and canned soft drinks .....	132.6	132.2	133.1	132.2	-	42.7	42.6	42.7	42.2	-
209	Misc. foods and kindred products .....	159.8	158.0	168.9	165.1	-	120.1	118.0	128.0	124.6	-
21	<b>TOBACCO MANUFACTURES</b> .....	66.6	71.9	68.2	63.8	60.6	51.4	57.0	52.9	48.6	45.6
211	Cigarettes .....	46.3	47.4	43.6	43.6	-	35.0	36.3	32.5	32.6	-
22	<b>TEXTILE MILL PRODUCTS</b> .....	730.9	730.0	763.9	763.4	764.0	627.2	625.0	661.2	661.4	662.2
221	Weaving mills, cotton .....	122.4	124.5	124.3	125.1	-	107.8	109.9	110.9	112.0	-
222	Weaving mills, synthetics .....	91.4	91.0	92.8	92.6	-	81.3	80.9	83.2	83.0	-
223	Weaving and finishing mills, wool .....	15.7	16.3	17.9	17.8	-	13.1	13.6	15.0	15.0	-
224	Narrow fabric mills .....	22.1	21.9	22.4	22.5	-	19.1	18.9	19.2	19.5	-
225	Knitting mills .....	203.9	200.1	212.2	211.9	-	175.8	171.1	184.3	184.3	-
2251	Women's hosiery, except socks .....	31.7	31.7	35.0	35.3	-	28.4	28.3	31.5	31.8	-
2252	Hosiery, nec .....	31.4	30.7	32.9	32.6	-	28.4	27.6	29.6	29.4	-
2253	Knit outerwear mills .....	67.8	64.3	65.7	65.4	-	58.3	54.2	56.8	56.3	-
2254	Knit underwear mills .....	29.2	29.2	31.1	31.4	-	24.6	24.6	26.5	26.9	-

See footnotes at end of table

# ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	
	<b>TEXTILE MILL PRODUCTS—Continued</b>											
2257	Circular knit fabric mills	25.6	25.8	27.2	27.2	-	21.4	21.5	22.9	23.0	-	-
226	Textile finishing, except wool	64.5	64.6	66.1	66.2	-	53.4	53.5	55.5	55.5	-	-
2261	Finishing plants, cotton	27.7	27.9	27.6	27.7	-	22.9	23.1	23.1	23.1	-	-
2262	Finishing plants, synthetics	22.7	22.6	23.2	23.3	-	18.8	18.7	19.4	19.5	-	-
227	Floor covering mills	45.4	45.7	50.7	50.0	-	35.7	35.8	40.8	40.1	-	-
228	Yarn and thread mills	108.6	108.8	114.6	114.2	-	96.7	96.8	102.3	101.9	-	-
2281	Yarn mills, except wool	74.3	74.6	78.3	78.2	-	67.2	67.5	70.6	70.5	-	-
2282	Throwing and winding mills	16.8	16.6	18.4	18.2	-	14.7	14.6	16.4	16.2	-	-
229	Miscellaneous textile goods	55.9	57.1	62.9	63.1	-	44.3	44.5	50.0	50.1	-	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	1,149.6	1,129.2	1,208.1	1,209.3	1,198.8	970.2	951.0	1,023.9	1,025.1	1,012.3	-
231	Men's and boys' suits and coats	72.1	72.1	70.0	70.4	-	63.0	63.3	61.3	61.8	-	-
232	Men's and boys' furnishings	319.3	316.0	337.7	337.7	-	271.1	268.5	289.0	289.0	-	-
2321	Men's and boys' shirts and nightwear	90.3	87.6	95.1	94.8	-	76.9	74.6	81.8	81.7	-	-
2322	Men's and boys' separate trousers	64.6	65.2	66.5	67.1	-	56.0	56.3	57.8	57.9	-	-
2328	Men's and boys' work clothing	91.1	91.3	100.4	99.6	-	76.5	76.9	84.7	84.1	-	-
233	Women's and misses' outerwear	383.8	374.3	398.4	398.6	-	325.6	316.1	336.9	337.1	-	-
2331	Women's and misses' blouses and waists	63.8	61.3	63.2	62.7	-	54.8	52.4	53.9	53.6	-	-
2335	Women's and misses' dresses	124.7	120.0	131.8	131.8	-	106.9	102.4	112.8	112.6	-	-
2337	Women's and misses' suits and coats	57.4	56.0	61.6	60.8	-	48.6	47.1	51.9	50.9	-	-
2339	Women's and misses' outerwear, nec.	137.9	137.0	141.8	143.3	-	115.3	114.2	118.3	120.0	-	-
234	Women's and children's undergarments	82.7	81.1	88.2	88.6	-	69.8	68.2	74.7	75.1	-	-
2341	Women's and children's underwear	67.9	66.3	72.9	73.0	-	58.7	57.1	63.4	63.4	-	-
2342	Brassieres and allied garments	14.8	14.8	15.3	15.6	-	11.1	11.1	11.3	11.7	-	-
236	Children's outerwear	59.6	59.1	63.4	63.6	-	50.6	50.2	54.3	54.5	-	-
2361	Children's dresses and blouses	26.3	26.2	26.3	26.5	-	23.5	23.4	23.4	23.6	-	-
238	Misc. apparel and accessories	48.7	45.4	48.1	47.6	-	40.7	37.3	40.1	39.6	-	-
239	Misc. fabricated textile products	165.0	163.2	181.9	182.6	-	134.2	132.6	150.4	151.2	-	-
2391	Curtains and draperies	24.3	23.8	26.1	26.4	-	19.8	19.4	21.5	21.8	-	-
2392	House furnishings, nec.	49.9	48.9	54.9	55.1	-	41.6	40.7	46.5	46.6	-	-
2398	Automotive and apparel trimmings	28.5	28.8	34.0	34.4	-	22.8	23.1	28.1	28.6	-	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	655.2	652.1	666.8	667.6	667.6	487.9	485.0	499.4	501.1	502.3	-
261, 2, 6	Paper and pulp mills	196.3	193.8	195.9	195.9	-	147.7	145.0	147.4	147.7	-	-
262	Paper mills, except building paper	170.0	168.3	168.8	168.9	-	126.6	124.7	125.5	125.8	-	-
263	Paperboard mills	59.6	59.7	59.3	59.6	-	45.5	45.5	45.5	45.8	-	-
264	Misc. converted paper products	211.1	211.6	220.4	219.9	-	152.3	152.8	159.6	159.8	-	-
2641	Paper coating and glazing	56.5	56.9	58.6	58.9	-	35.8	36.2	37.8	38.5	-	-
2642	Envelopes	25.8	25.8	26.7	26.8	-	20.0	20.0	20.6	20.8	-	-
2643	Bags, except textile bags	49.1	49.3	49.8	49.8	-	38.3	38.4	38.9	39.1	-	-
265	Paperboard containers and boxes	188.2	187.0	191.2	192.2	-	142.4	141.7	146.9	147.8	-	-
2651	Folding paperboard boxes	40.4	40.1	40.9	40.8	-	31.4	31.2	32.0	31.9	-	-
2653	Corrugated and solid fiber boxes	98.6	98.0	99.9	100.6	-	72.9	72.4	74.7	75.3	-	-
2654	Sanitary food containers	22.0	22.1	22.3	22.4	-	17.4	17.7	18.4	18.4	-	-
27	<b>PRINTING AND PUBLISHING</b>	1,266.6	1,272.0	1,295.4	1,304.7	1,310.9	696.7	701.2	713.0	720.7	723.7	-
271	Newspapers	417.5	418.9	427.3	428.5	-	158.6	159.4	160.9	162.3	-	-
272	Periodicals	98.6	99.1	100.5	100.9	-	21.5	21.5	22.0	22.4	-	-
273	Books	96.7	98.3	92.5	94.2	-	48.4	50.6	45.5	46.7	-	-
2731	Book publishing	69.9	70.3	66.5	67.1	-	26.8	27.6	24.7	24.9	-	-
2732	Book printing	26.8	28.0	26.0	27.1	-	21.6	23.0	20.8	21.8	-	-
274	Miscellaneous publishing	50.1	51.0	51.4	51.8	-	26.1	27.0	27.7	27.9	-	-
275	Commercial printing	426.2	426.9	439.0	443.7	-	312.8	313.6	322.6	326.5	-	-
2751	Commercial printing, letterpress	151.0	150.4	154.4	155.5	-	112.3	112.0	115.1	115.8	-	-
2752	Commercial printing, lithographic	252.4	253.5	261.9	264.8	-	182.6	183.4	189.4	192.0	-	-
276	Manifold business forms	47.4	47.6	49.0	49.3	-	33.2	33.2	33.9	34.4	-	-
278	Blankbooks and bookbinding	59.2	59.4	62.8	62.6	-	48.0	47.8	50.9	50.1	-	-
279	Printing trade services	46.4	46.5	47.8	48.4	-	34.4	34.6	35.4	36.2	-	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	1,060.9	1,055.6	1,059.0	1,059.3	1,058.9	590.1	586.8	588.7	590.3	593.1	-
281	Industrial inorganic chemicals	156.0	155.1	151.4	152.0	-	82.3	80.8	76.4	77.1	-	-
2819	Industrial inorganic chemicals, nec.	103.9	103.4	103.3	104.0	-	55.6	54.7	52.5	53.2	-	-
282	Plastics materials and synthetics	179.9	177.3	179.6	179.5	-	116.1	114.9	116.9	117.1	-	-
2821	Plastics materials and resins	73.8	73.3	76.2	76.3	-	43.0	43.0	44.4	44.5	-	-
2824	Organic fibers, noncellulosic	75.3	74.2	72.6	72.4	-	52.5	51.7	50.9	51.0	-	-
283	Drugs	199.4	199.8	201.4	201.2	-	98.1	98.5	98.7	98.6	-	-
2834	Pharmaceutical preparations	157.0	157.7	159.0	158.4	-	76.1	76.8	76.5	76.3	-	-
284	Soap, cleaners, and toilet goods	146.9	146.3	153.3	153.0	-	92.9	92.5	96.1	96.1	-	-
2841	Soap and other detergents	44.9	44.9	45.6	45.9	-	29.5	29.3	29.7	30.2	-	-
2844	Toilet preparations	63.3	62.9	67.9	67.6	-	42.1	41.8	44.8	44.5	-	-
2842, 3	Polishing, sanitation, and finishing preparations	38.7	38.5	39.8	39.5	-	21.3	21.4	21.6	21.4	-	-
285	Paints and allied products	59.6	59.1	62.4	61.9	-	28.6	28.1	30.5	30.1	-	-
286	Industrial organic chemicals	167.4	166.9	160.9	160.9	-	85.0	85.3	82.3	82.6	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
	<b>CHEMICALS AND ALLIED PRODUCTS—Cont'd</b>										
2885	Cyclic crudes and intermediates.....	32.9	32.6	31.5	31.4	-	20.3	20.1	18.8	18.8	-
2881,9	Gum, wood, and industrial organic chemicals, nec.....	134.5	134.3	129.4	129.5	-	64.7	65.2	63.5	63.8	-
287	Agricultural chemicals.....	62.5	61.9	58.9	59.8	-	37.4	37.2	35.3	36.1	-
289	Miscellaneous chemical products.....	89.2	89.2	91.1	91.0	-	49.7	49.5	52.5	52.6	-
	<b>PETROLEUM AND COAL PRODUCTS</b>										
29	Petroleum refining.....	200.9	197.6	195.9	194.3	190.9	120.5	117.1	118.3	116.0	113.7
291	Paving and roofing materials.....	163.4	163.2	155.7	155.1	-	94.3	93.8	89.1	88.2	-
295		26.0	23.2	28.8	27.7	-	19.4	16.7	22.1	20.7	-
	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>										
30	Tires and inner tubes.....	686.1	683.1	758.3	763.5	765.5	524.2	521.7	591.0	594.1	597.0
301	Rubber and plastics footwear.....	102.5	102.0	102.7	102.7	-	73.6	73.2	73.8	72.8	-
302	Reclaimed rubber, and rubber and plastics hose and belting.....	19.8	19.6	18.0	18.6	-	17.2	16.8	15.0	15.6	-
303,4		20.5	20.6	22.7	23.1	-	14.3	14.4	15.9	16.2	-
306	Fabricated rubber products, nec.....	94.0	93.7	104.3	105.6	-	70.8	70.5	80.5	81.6	-
307	Miscellaneous plastics products.....	449.3	447.2	510.6	513.5	-	348.3	346.8	405.8	407.9	-
	<b>LEATHER AND LEATHER PRODUCTS</b>										
31	Leather tanning and finishing.....	219.2	212.0	221.3	221.3	214.7	182.9	175.2	186.4	186.1	179.9
311	Footwear, except rubber.....	18.6	18.5	19.4	19.4	-	15.4	15.1	16.3	16.2	-
314	Men's footwear, except athletic.....	136.7	132.0	133.9	134.1	-	116.4	111.6	114.8	115.1	-
3143	Women's footwear, except athletic.....	54.0	51.6	53.0	53.2	-	44.0	41.4	43.2	43.4	-
3144	Luggage.....	54.1	53.3	51.7	52.0	-	47.7	46.9	46.0	46.3	-
318	Handbags and personal leather goods.....	13.7	12.8	13.8	13.6	-	9.5	8.7	10.3	10.0	-
317		26.9	25.7	29.5	29.2	-	22.0	20.8	24.2	24.1	-
	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>										
-	UTILITIES.....	5,051	5,036	5,064	5,057	5,054	4,164	4,150	4,176	4,163	4,157
	<b>RAILROAD TRANSPORTATION</b>										
40	Class I railroads.....	405.5	393.2	386.4	383.2	-	-	-	-	-	-
4011		376.3	365.0	356.0	353.3	-	-	-	-	-	-
	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>										
41	Local and suburban transportation.....	276.8	276.1	279.2	262.8	-	258.3	257.1	260.1	245.1	-
411	Taxis.....	85.2	84.5	87.7	88.0	-	78.4	77.6	81.0	81.1	-
412	Intercity highway transportation.....	41.1	41.3	38.9	39.0	-	-	-	-	-	-
413	School buses.....	36.3	36.5	34.1	18.7	-	33.3	33.4	31.1	17.1	-
415		95.6	96.0	97.8	96.7	-	-	-	-	-	-
	<b>TRUCKING AND WAREHOUSING</b>										
42	Trucking and trucking terminals.....	1,212.8	1,219.6	1,258.3	1,262.1	-	1,053.2	1,060.5	1,099.1	1,107.1	-
421,3	Public warehousing.....	1,122.7	1,134.2	1,171.2	1,175.9	-	976.5	988.4	1,025.3	1,028.9	-
422		90.1	85.4	87.1	86.2	-	76.7	72.1	73.8	73.2	-
	<b>WATER TRANSPORTATION</b>										
44	Air transportation.....	196.1	187.1	184.1	191.8	-	-	-	-	-	-
45		443.2	444.8	448.4	448.1	-	-	-	-	-	-
451,2		393.4	394.8	393.8	393.2	-	-	-	-	-	-
	<b>PIPE LINES, EXCEPT NATURAL GAS</b>										
46	Transportation services.....	21.8	21.9	21.7	21.8	-	15.3	15.3	15.3	15.3	-
47		216.5	215.8	220.7	219.1	-	-	-	-	-	-
	<b>COMMUNICATION</b>										
48	Telephone communication.....	1,402.0	1,400.6	1,377.5	1,379.9	-	1,063.3	1,062.6	1,045.7	1,045.2	-
481	Radio and television broadcasting.....	1,046.1	1,043.2	998.4	998.1	-	770.9	770.0	743.7	742.2	-
483		224.1	225.0	231.9	231.9	-	183.0	183.4	185.7	185.5	-
	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>										
49	Electric services.....	876.7	876.6	888.0	888.3	-	706.2	706.1	707.2	706.7	-
491	Gas production and distribution.....	428.0	428.4	434.6	435.1	-	340.3	340.5	342.0	342.2	-
492	Combination utility services.....	176.5	176.3	174.5	174.8	-	141.7	141.4	139.0	138.9	-
493	Sanitary services.....	197.3	197.3	202.9	202.8	-	160.2	160.5	160.0	159.9	-
495		50.6	50.4	52.2	52.0	-	44.4	44.2	46.8	46.4	-
	<b>WHOLESALE AND RETAIL TRADE</b>										
-	WHOLESALE TRADE.....	20,549	20,824	20,749	20,942	21,298	17,968	18,252	18,128	18,306	18,641
50,51	WHOLESALE TRADE - DURABLE GOODS	5,231	5,202	5,308	5,310	5,315	4,219	4,192	4,277	4,274	4,275
50	Motor vehicles and automotive equipment.....	3,038	3,025	3,110	3,116	-	2,428	2,417	2,489	2,493	-
501	Furniture and home furnishing.....	401.6	400.8	410.1	411.1	-	322.9	322.4	329.1	329.8	-
502	Lumber and construction materials.....	114.3	114.8	116.7	117.8	-	94.4	95.0	95.4	96.8	-
503	Sporting goods, toys, and hobby goods.....	179.7	178.6	197.0	198.3	-	146.5	145.5	162.9	164.3	-
504	Metals and minerals, except petroleum.....	71.7	71.6	73.3	73.1	-	57.3	58.0	58.9	58.6	-
505	Electrical goods.....	133.1	132.3	131.8	131.9	-	104.8	103.7	105.0	105.3	-
506	Hardware, plumbing, and heating equipment.....	426.3	426.0	439.0	441.9	-	338.4	337.5	350.5	353.1	-
507		234.2	234.2	240.2	239.5	-	188.5	188.8	194.6	193.9	-

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
	<b>WHOLESALE TRADE-DURABLE GOODS—</b>										
	Continued										
508	Machinery, equipment, and supplies .....	1,305.3	1,297.8	1,319.9	1,319.8	-	1,034.2	1,027.6	1,040.9	1,038.1	-
509	Miscellaneous durable goods .....	171.4	168.7	181.8	182.3	-	141.3	138.7	152.1	152.6	-
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b> ..	2,193	2,177	2,198	2,194	-	1,791	1,775	1,788	1,781	-
511	Paper and paper products .....	158.6	159.0	164.3	165.0	-	127.5	127.6	133.8	134.1	-
512	Drugs, proprietaries, and sundries .....	155.6	154.2	153.5	155.2	-	131.0	129.6	128.1	129.7	-
513	Apparel, piece goods, and notions .....	171.6	167.7	171.5	172.2	-	134.7	130.9	128.5	128.8	-
514	Groceries and related products .....	665.8	659.9	666.2	662.6	-	570.5	565.2	570.6	565.8	-
516	Chemicals and allied products .....	133.0	132.5	135.6	135.8	-	93.9	93.5	94.8	94.9	-
517	Petroleum and petroleum products .....	220.9	221.2	215.6	216.4	-	166.2	166.9	163.5	164.2	-
518	Beer, wine, and distilled beverages .....	145.4	146.2	146.8	147.2	-	120.8	121.7	122.5	123.0	-
519	Miscellaneous nondurable goods .....	389.5	388.7	390.7	390.2	-	318.4	317.2	317.3	315.6	-
52-59	<b>RETAIL TRADE</b> .....	15,318	15,622	15,441	15,632	15,983	13,749	14,060	13,851	14,032	14,366
52	<b>BUILDING MATERIALS AND GARDEN</b>										
	SUPPLIES .....	588.2	588.6	613.9	615.4	-	495.6	495.8	517.6	519.0	-
521	Lumber and other building materials .....	301.2	298.1	324.3	323.6	-	254.1	251.2	275.6	276.0	-
525	Hardware stores .....	148.2	150.5	152.2	154.4	-	126.5	128.7	129.2	131.0	-
53	<b>GENERAL MERCHANDISE STORES</b> .....	2,293.9	2,443.2	2,237.5	2,351.3	-	2,139.8	2,289.4	2,097.9	2,209.0	-
531	Department stores .....	1,943.6	2,073.1	1,905.5	2,006.7	-	1,822.9	1,952.6	1,798.1	1,896.4	-
533	Variety stores .....	232.9	244.4	215.0	223.3	-	215.5	227.2	197.8	205.9	-
539	Misc. general merchandise stores .....	117.4	125.7	117.0	121.3	-	101.4	109.6	102.0	106.7	-
54	<b>FOOD STORES</b> .....	2,494.4	2,515.7	2,516.5	2,540.3	-	2,312.6	2,337.0	2,340.3	2,363.6	-
541	Grocery stores .....	2,179.5	2,190.5	2,205.1	2,219.9	-	2,027.2	2,040.6	2,059.0	2,073.5	-
542	Meat markets and freezer provisioners .....	58.0	58.5	59.7	59.3	-	-	-	-	-	-
546	Retail bakeries .....	131.9	132.4	135.8	136.9	-	121.1	121.5	124.3	125.1	-
55	<b>AUTOMOTIVE DEALERS AND SERVICE</b>										
	STATIONS .....	1,608.9	1,600.9	1,639.4	1,636.9	-	1,353.3	1,345.3	1,379.6	1,376.9	-
551,2	New and used car dealers .....	734.4	733.6	765.6	768.4	-	632.4	601.3	630.6	632.9	-
553	Auto and home supply stores .....	261.6	260.0	264.3	264.3	-	224.8	223.3	228.2	228.3	-
554	Gasoline service stations .....	539.8	537.2	532.7	528.5	-	468.0	465.5	459.7	455.4	-
56	<b>APPAREL AND ACCESSORY STORES</b> .....	960.2	1,032.3	952.1	982.8	-	816.8	887.0	805.6	835.7	-
561	Men's and boys' clothing and furnishings .....	120.8	134.4	115.6	119.5	-	103.0	116.0	96.8	100.6	-
562	Women's ready-to-wear stores .....	349.4	368.5	353.2	363.1	-	300.2	319.9	301.2	310.0	-
565	Family clothing stores .....	180.2	202.5	170.9	180.3	-	157.8	179.4	149.2	158.2	-
566	Shoe stores .....	201.1	212.8	201.0	204.5	-	163.0	174.5	163.5	167.6	-
57	<b>FURNITURE AND HOME FURNISHINGS</b>										
	STORES .....	573.4	587.2	603.4	616.2	-	478.3	487.6	502.4	514.7	-
571	Furniture and home furnishings stores .....	347.2	349.1	359.8	365.2	-	287.7	289.6	298.9	303.9	-
572	Household appliance stores .....	74.8	75.2	77.7	79.9	-	63.7	64.1	66.7	68.6	-
573	Radio, television, and music stores .....	156.4	162.9	165.9	171.1	-	126.9	133.9	136.8	142.2	-
58	<b>EATING AND DRINKING PLACES</b> .....	4,822.2	4,816.9	4,918.7	4,874.4	-	4,431.0	4,430.7	4,509.6	4,464.1	-
59	<b>MISCELLANEOUS RETAIL</b> .....	1,972.2	2,037.5	1,959.0	2,014.6	-	1,721.9	1,787.3	1,697.5	1,749.5	-
591	Drug stores and proprietary stores .....	494.8	506.7	491.2	501.1	-	442.8	455.5	434.3	443.8	-
592	Liquor stores .....	129.4	133.6	126.7	127.0	-	-	-	-	-	-
594	Miscellaneous shopping goods stores .....	652.3	694.0	645.9	678.9	-	562.9	603.8	550.5	583.0	-
596	Nonstore retailers .....	264.7	266.7	269.8	278.0	-	246.1	247.9	250.3	258.0	-
598	Fuel and ice dealers .....	102.9	104.9	99.5	102.2	-	85.8	87.7	82.0	84.5	-
599	Retail stores, nec. ....	265.5	269.5	261.2	262.1	-	221.4	225.5	218.6	218.1	-
-	<b>FINANCE, INSURANCE, AND REAL</b>										
	ESTATE <sup>2</sup> .....	5,335	5,349	5,486	5,501	5,520	3,976	3,980	4,087	4,098	4,112
60	<b>BANKING</b> .....	1,547.8	1,650.2	1,659.7	1,662.3	-	1,230.8	1,232.5	1,234.1	1,236.7	-
602	Commercial and stock savings banks .....	1,498.8	1,500.6	1,505.8	1,508.1	-	1,112.4	1,114.0	1,112.3	1,114.8	-
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	584.5	589.4	624.6	627.5	-	440.9	444.3	475.1	477.7	-
612	Savings and loan associations .....	274.1	276.7	299.7	301.3	-	208.9	210.8	229.9	231.3	-
614	Personal credit institutions .....	193.9	194.2	196.9	198.0	-	147.4	147.2	150.7	151.6	-
62	<b>SECURITY, COMMODITY BROKERS, AND</b>										
	SERVICES .....	278.2	287.6	320.2	321.8	-	-	-	-	-	-
621	Security brokers and dealers .....	227.7	230.4	259.2	260.2	-	-	-	-	-	-
63	<b>INSURANCE CARRIERS</b> .....	1,232.0	1,232.7	1,230.8	1,232.6	-	838.3	839.1	833.4	835.4	-
631	Life insurance .....	544.3	543.8	536.2	536.7	-	334.2	334.8	325.1	326.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>					
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	
	<b>INSURANCE CARRIERS—Continued</b>											
632	Medical service and health insurance .....	142.5	143.5	146.6	147.2	-	113.4	114.2	117.3	117.4	-	
633	Fire, marine, and casualty insurance .....	473.7	473.5	467.2	467.1	-	335.3	334.2	327.0	326.9	-	
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b>	476.1	476.5	481.4	482.5	-	-	-	-	-	-	
65	<b>REAL ESTATE</b>	359.8	358.3	1,012.4	1,014.5	-	-	-	-	-	-	
651	Real estate operators and lessors .....	476.6	482.0	505.3	508.8	-	-	-	-	-	-	
653	Real estate agents and managers .....	351.7	348.6	363.5	364.9	-	-	-	-	-	-	
655	Subdividers and developers .....	113.1	109.2	121.4	118.3	-	-	-	-	-	-	
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b>	17.6	17.9	16.5	16.6	-	-	-	-	-	-	
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b>	136.3	136.7	140.4	142.7	-	-	-	-	-	-	
-	<b>SERVICES</b>	19,180	19,149	20,016	20,051	20,062	17,017	16,997	17,727	17,754	17,757	
70	<b>HOTELS AND OTHER LODGING PLACES</b>	1,065.3	1,048.4	1,124.1	1,101.0	-	-	-	-	-	-	
701	Hotels, motels, and tourist courts .....	1,035.0	1,018.6	1,091.7	1,070.3	-	545.8	930.4	990.9	966.9	-	
72	<b>PERSONAL SERVICES</b>	937.2	935.2	931.2	935.3	-	-	-	-	-	-	
721	Laundry, cleaning, and garment services .....	348.7	346.9	348.7	350.0	-	310.2	309.5	310.0	311.3	-	
723	Beauty shops .....	292.0	290.6	301.9	301.9	-	269.8	269.3	278.3	277.3	-	
726	Funeral service and crematories .....	71.3	71.4	72.1	71.8	-	-	-	-	-	-	
73	<b>BUSINESS SERVICES</b>	3,367.3	3,373.5	3,769.9	3,795.5	-	2,936.5	2,941.9	3,281.9	3,303.9	-	
731	Advertising .....	162.9	163.4	168.0	169.5	-	124.5	124.6	125.9	127.1	-	
732	Credit reporting and collection .....	75.2	76.1	79.7	80.6	-	-	-	-	-	-	
733	Mailing, reproduction, stenographic .....	138.7	137.5	152.3	154.6	-	-	-	-	-	-	
734	Services to buildings .....	521.4	521.6	557.2	562.1	-	475.1	475.2	507.3	511.2	-	
736	Personnel supply services .....	580.4	586.6	809.7	809.4	-	-	-	-	-	-	
737	Computer and data processing services .....	371.9	376.4	412.0	417.1	-	306.0	308.9	341.5	347.1	-	
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b>	577.4	579.8	594.0	594.6	-	487.3	488.8	503.3	503.7	-	
753	Automotive repair shops .....	360.7	359.4	366.9	367.3	-	301.0	299.6	307.9	308.2	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b>	274.9	274.7	276.6	275.7	-	231.8	231.6	230.1	229.4	-	
78	<b>MOTION PICTURES</b>	203.8	211.6	208.4	204.0	-	172.7	181.5	179.4	176.3	-	
781	Motion picture production and services .....	85.1	92.9	91.6	89.8	-	68.2	76.6	76.7	74.9	-	
783	Motion picture theaters .....	108.0	108.0	106.4	103.8	-	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b>	743.2	745.1	814.5	798.4	-	673.5	677.1	737.1	719.7	-	
80	<b>HEALTH SERVICES</b>	5,868.6	5,865.2	5,984.8	5,992.0	-	5,253.6	5,249.3	5,358.9	5,367.6	-	
801	Offices of physicians .....	836.2	839.7	863.2	869.5	-	685.2	687.9	724.0	730.8	-	
802	Offices of dentists .....	391.8	393.1	415.4	420.4	-	346.3	347.9	367.3	372.3	-	
805	Nursing and personal care facilities .....	1,077.5	1,077.7	1,108.3	1,108.1	-	974.5	975.2	1,000.7	1,001.6	-	
806	Hospitals .....	3,032.0	3,023.0	3,023.0	3,015.4	-	2,784.7	2,775.0	2,771.2	2,763.9	-	
81	<b>LEGAL SERVICES</b>	577.9	580.0	613.8	620.0	-	487.3	489.5	515.4	521.4	-	
82	<b>EDUCATIONAL SERVICES</b>	1,296.7	1,270.1	1,290.3	1,309.4	-	-	-	-	-	-	
821	Elementary and secondary schools .....	331.0	330.4	326.1	329.2	-	-	-	-	-	-	
822	Colleges and universities .....	938.4	812.6	833.1	848.5	-	-	-	-	-	-	
83	<b>SOCIAL SERVICES</b>	1,189.8	1,196.5	1,280.9	1,291.7	-	-	-	-	-	-	
86	<b>MEMBERSHIP ORGANIZATIONS</b>	1,529.6	1,531.6	1,520.3	1,524.0	-	-	-	-	-	-	
89	<b>MISCELLANEOUS SERVICES</b>	1,044.3	1,044.9	1,070.7	1,078.3	-	850.2	850.9	877.6	882.6	-	
891	Engineering and architectural services .....	565.4	563.0	583.4	589.2	-	463.2	461.1	487.8	491.8	-	
893	Accounting, auditing, and bookkeeping .....	352.4	354.9	361.7	363.6	-	281.1	283.5	286.4	288.0	-	
-	<b>GOVERNMENT</b>	15,003	15,968	15,860	16,013	16,002	-	-	-	-	-	
-	<b>FEDERAL GOVERNMENT</b>	2,726	2,733	2,745	2,752	2,757	-	-	-	-	-	
-	Executive, by agency .....	2,671.9	2,678.9	-	-	-	-	-	-	-	-	
-	Department of Defense .....	940.4	943.7	-	-	-	-	-	-	-	-	
-	Postal Service .....	662.8	669.0	-	-	-	-	-	-	-	-	
-	Other executive agencies .....	1,068.7	1,066.2	-	-	-	-	-	-	-	-	
-	Legislative .....	38.0	38.2	-	-	-	-	-	-	-	-	
-	Judicial .....	15.8	15.9	-	-	-	-	-	-	-	-	

See footnotes at end of table.

# ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers <sup>1</sup>				
		Nov. 1982	Dec. 1982	Oct. 1983 <sup>2</sup>	Nov. 1983 <sup>2</sup>	Dec. 1983 <sup>2</sup>	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>2</sup>	Dec. 1983 <sup>2</sup>
	<b>FEDERAL GOVERNMENT—Continued</b>										
	Federal Government, by industry										
—	Manufacturing activities	135.1	135.5	136.5	136.6	—	—	—	—	—	—
3731	Shipbuilding and repairing	82.2	82.4	81.9	81.9	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	40.6	40.1	38.4	37.9	—	—	—	—	—	—
—	Services	388.2	387.7	393.2	390.1	—	—	—	—	—	—
806	Federal government hospitals	234.4	235.1	237.1	237.7	—	—	—	—	—	—
—	<b>STATE AND LOCAL GOVERNMENT</b>	13,277	13,235	13,115	13,261	13,245	—	—	—	—	—
—	State government	3,724.9	3,702.3	3,724.6	3,746.0	—	—	—	—	—	—
806	State government hospitals	492.4	492.2	474.4	476.2	—	—	—	—	—	—
82	State education	1,566.5	1,545.8	1,584.9	1,608.6	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,052.9	1,060.9	1,066.0	1,064.0	—	—	—	—	—	—
—	Local government	9,551.7	9,532.2	9,390.0	9,515.0	—	—	—	—	—	—
—	Transportation and public utilities	532.4	532.7	537.0	537.8	—	—	—	—	—	—
806	Local government hospitals	536.3	637.5	635.8	633.5	—	—	—	—	—	—
82	Local education	5,319.2	5,307.4	5,152.3	5,280.1	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,785.6	2,774.3	2,784.6	2,785.4	—	—	—	—	—	—

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

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

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

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

— Data not available.

p = preliminary.

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

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
-	<b>TOTAL</b> .....	38,917	39,176	38,819	39,936	40,346
-	<b>PRIVATE SECTOR</b> .....	31,605	31,562	31,939	32,523	32,635
-	<b>MINING</b> .....	134	131	126	124	124
10	<b>METAL MINING</b> .....	5.7	5.2	5.7	5.5	5.7
11, 12	<b>COAL MINING</b> .....	11.6	11.5	11.1	11.1	11.1
13	<b>OIL AND GAS EXTRACTION</b> .....	106.9	104.6	99.9	98.3	98.0
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	66.5	66.0	66.2	65.1	64.8
138	Oil and gas field services.....	40.4	38.6	33.7	33.2	33.2
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	9.4	9.3	9.1	9.2	9.3
142	Crushed and broken stone.....	2.8	2.7	3.0	2.9	3.0
144	Sand and gravel.....	3.2	3.1	3.0	3.3	3.3
-	<b>CONSTRUCTION</b> .....	380	378	400	400	399
15	<b>GENERAL BUILDING CONTRACTORS</b> .....	120.8	120.1	133.1	133.2	133.2
152	Residential building construction.....	66.1	65.9	76.3	76.4	75.9
153	Operative builders.....	13.4	13.0	14.9	14.9	15.1
154	Nonresidential building construction.....	41.3	41.2	41.9	41.9	42.2
16	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	65.0	64.3	64.2	64.0	63.4
161	Highway and street construction.....	16.0	15.5	17.3	17.1	16.9
162	Heavy construction, except highway.....	49.0	48.8	46.9	46.9	46.5
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	194.5	193.5	202.6	202.7	202.6
171	Plumbing, heating, air conditioning.....	51.8	51.6	53.7	53.6	53.9
172	Painting, paper hanging, decorating.....	11.5	11.2	11.9	11.9	11.6
173	Electrical work.....	38.1	38.5	39.2	39.2	39.7
174	Masonry, stonework, and plastering.....	21.6	20.9	22.4	22.4	22.4
175	Carpentering and flooring.....	12.8	12.8	14.7	14.7	14.7
176	Roofing and sheet metal work.....	12.7	12.9	13.1	13.2	13.4
-	<b>MANUFACTURING</b> .....	6,037	5,965	6,108	6,202	6,229
24, 25, 32-38	<b>DURABLE GOODS</b> .....	2,812	2,770	2,842	2,905	2,936
20-23, 26-31	<b>NONDURABLE GOODS</b> .....	3,225	3,195	3,266	3,297	3,293
	<b>DURABLE GOODS</b>					
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	92.2	91.5	103.1	104.7	104.8
241	Logging camps and logging contractors.....	5.9	6.1	6.5	6.6	6.5
242	Sawmills and planing mills.....	17.2	17.1	19.2	19.3	19.3
2421	Sawmills and planing mills, general.....	12.0	11.9	13.4	13.5	13.3
243	Millwork, plywood, and structural members.....	36.6	36.0	43.2	43.6	43.3
244	Wood containers.....	6.3	6.2	6.0	6.0	5.8
245	Wood buildings and mobile homes.....	7.6	7.3	8.9	9.2	9.3
249	Miscellaneous wood products.....	18.6	18.8	19.3	20.0	20.6
25	<b>FURNITURE AND FIXTURES</b> .....	129.5	129.6	135.4	138.2	139.7
251	Household furniture.....	87.7	88.6	90.9	92.5	93.6
2511	Wood household furniture.....	38.5	38.2	38.8	39.4	39.5
2512	Upholstered household furniture.....	29.1	29.4	31.5	32.2	33.0
2515	Mattresses and bedsprings.....	7.6	7.3	8.5	8.5	8.1
252	Office furniture.....	13.8	13.3	14.5	15.1	15.2
253	Public building and related furniture.....	4.7	4.8	4.9	4.9	5.0
254	Partitions and fixtures.....	10.4	10.1	10.8	11.0	11.2
259	Miscellaneous furniture and fixtures.....	12.9	12.8	14.3	14.7	14.7
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b> .....	114.9	112.5	112.4	114.2	114.9
322	Glass and glassware, pressed or blown.....	36.3	35.2	34.1	34.7	34.8
3221	Glass containers.....	20.9	20.4	19.0	18.6	18.5
3229	Pressed and blown glass, nec.....	15.4	14.8	15.1	16.1	16.2
323	Products of purchased glass.....	11.9	11.8	12.8	12.9	13.2
324	Cement, hydraulic.....	1.6	1.5	1.5	1.5	1.5
325	Structural clay products.....	5.5	5.5	5.9	6.0	5.9
326	Pottery and related products.....	14.2	14.0	13.5	14.1	14.4
327	Concrete, gypsum, and plaster products.....	15.3	15.2	15.6	15.6	15.3
328	Misc. nonmetallic mineral products.....	27.1	26.4	26.1	26.4	26.8
33	<b>PRIMARY METAL INDUSTRIES</b> .....	100.9	96.7	97.8	100.0	100.8
331	Blast furnace and basic steel products.....	28.3	26.6	26.2	25.9	26.0
3312	Blast furnaces and steel mills.....	20.1	18.9	18.9	18.6	18.6
332	Iron and steel foundries.....	14.2	12.8	13.4	13.6	13.6



**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
<b>PRIMARY METAL INDUSTRIES—Continued</b>						
3321	Gray iron foundries .....	6.7	6.0	6.3	6.5	6.6
3322	Malleable iron foundries .....	.8	.7	.9	.9	.9
3325	Steel foundries, nec .....	3.6	3.2	3.4	3.4	3.3
333	Primary nonferrous metals .....	3.7	3.5	3.4	3.6	3.5
3334	Primary aluminum .....	1.6	1.5	1.4	1.5	1.5
335	Nonferrous rolling and drawing .....	34.6	33.9	34.1	35.8	36.1
3351	Copper rolling and drawing .....	3.2	3.1	3.3	3.3	3.3
3353	Aluminum sheet, plate, and foil .....	3.1	3.1	3.3	3.3	3.4
3357	Nonferrous wire drawing and insulating .....	20.7	20.0	19.6	21.0	21.2
336	Nonferrous foundries .....	14.8	14.6	15.5	16.0	16.4
3361	Aluminum foundries .....	8.0	7.8	8.0	8.4	8.7
34	<b>FABRICATED METAL PRODUCTS .....</b>	<b>300.1</b>	<b>295.0</b>	<b>306.6</b>	<b>311.9</b>	<b>315.4</b>
341	Metal cans and shipping containers .....	11.0	10.3	10.7	10.7	10.3
3411	Metal cans .....	9.2	8.6	9.0	9.0	8.6
342	Cutlery, hand tools, and hardware .....	46.3	46.0	48.0	49.2	49.5
3423, 5	Hand and edge tools, and hand saws and blades .....	13.1	13.2	13.2	13.3	13.5
3429	Hardware, nec .....	27.4	26.9	29.3	30.4	30.4
343	Plumbing and heating, except electric .....	15.2	15.1	16.0	16.1	16.4
344	Fabricated structural metal products .....	66.1	65.7	67.8	67.9	68.7
3441	Fabricated structural metal .....	6.8	6.7	6.3	6.2	6.2
3442	Metal doors, sash, and trim .....	20.0	20.4	23.4	23.6	23.9
3443	Fabricated plate work (boiler shops) .....	16.6	16.0	14.2	14.1	14.3
3444	Sheet metal work .....	14.3	14.2	15.2	15.2	15.4
345	Screw machine products, bolts, etc. ....	19.8	19.1	19.7	20.2	20.9
3451	Screw machine products .....	9.9	9.6	9.9	10.3	10.8
3452	Bolts, nuts, rivets, and washers .....	9.9	9.5	9.8	9.9	10.1
346	Metal forgings and stampings .....	47.4	45.3	47.4	49.2	50.0
3462	Iron and steel forgings .....	3.7	3.5	3.0	3.0	3.1
3465	Automotive stampings .....	12.3	11.2	12.8	13.5	13.9
3469	Metal stampings, nec .....	29.2	28.5	29.4	30.4	30.7
347	Metal services, nec .....	21.9	21.9	23.2	23.7	23.8
3471	Plating and polishing .....	16.5	16.5	17.2	17.4	17.4
3479	Metal coating and allied services .....	5.4	5.4	6.0	6.3	6.4
348	Ordinance and accessories, nec .....	18.5	18.5	18.8	19.2	19.5
349	Misc. fabricated metal products .....	53.9	53.1	55.0	55.7	56.3
3494	Valves and pipe fittings .....	19.7	19.4	19.0	19.2	19.4
3496	Misc. fabricated wire products .....	13.3	13.3	14.3	14.7	14.8
35	<b>MACHINERY, EXCEPT ELECTRICAL .....</b>	<b>467.1</b>	<b>456.6</b>	<b>458.0</b>	<b>463.0</b>	<b>465.0</b>
351	Engines and turbines .....	20.7	19.5	17.3	17.0	17.0
3511	Turbines and turbine generator sets .....	6.0	6.0	5.1	4.9	5.1
3519	Internal combustion engines, nec .....	14.7	13.5	12.2	12.1	11.9
352	Farm and garden machinery .....	21.6	21.5	20.4	21.7	21.7
3523	Farm machinery and equipment .....	17.1	16.9	15.1	16.1	15.8
353	Construction and related machinery .....	43.2	39.5	35.8	35.8	35.5
3531	Construction machinery .....	11.4	9.6	9.5	9.5	9.4
3533	Oil field machinery .....	15.5	14.6	11.9	11.8	11.9
354	Metalworking machinery .....	47.7	46.4	46.7	46.5	47.0
3541	Machine tools, metal cutting types .....	7.9	7.5	6.9	6.9	6.9
3544	Special dies, tools, jigs, and fixtures .....	14.0	13.8	14.7	14.6	14.9
3545	Machine tool accessories .....	10.9	10.6	10.3	10.2	10.4
355	Special industry machinery .....	25.8	25.6	25.1	25.2	25.2
3551	Food products machinery .....	5.0	5.0	4.7	4.7	4.7
3552	Textile machinery .....	4.0	3.9	3.8	3.8	3.8
3555	Printing trades machinery .....	6.7	6.7	6.7	6.6	6.7
356	General industrial machinery .....	53.8	52.5	51.1	51.9	52.1
3561	Pumps and pumping equipment .....	9.9	9.8	9.4	9.4	9.3
3562	Ball and roller bearings .....	11.7	11.0	11.0	11.4	11.5
357	Office and computing machines .....	178.0	177.3	194.3	185.4	186.1
3573	Electronic computing equipment .....	152.5	152.0	160.5	160.7	161.6
358	Refrigeration and service machinery .....	32.9	32.0	35.0	36.2	36.8
3585	Refrigeration and heating equipment .....	21.5	20.6	24.0	24.9	25.2
359	Misc. machinery, except electrical .....	43.4	42.2	42.3	43.3	43.5
3599	Machinery, except electrical, nec .....	34.7	34.3	33.4	34.1	34.5
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>	<b>842.0</b>	<b>832.3</b>	<b>858.3</b>	<b>887.2</b>	<b>900.0</b>
361	Electric distributing equipment .....	42.3	42.1	42.8	43.8	43.9
3612	Transformers .....	18.2	17.8	17.4	17.5	17.3
3613	Switchgear and switchboard apparatus .....	24.1	24.3	25.4	26.3	26.6
362	Electrical industrial apparatus .....	72.8	70.7	70.7	72.2	73.3
3621	Motors and generators .....	37.6	36.5	38.8	39.3	39.9
3622	Industrial controls .....	24.7	24.2	22.0	22.6	23.1
363	Household appliances .....	50.1	49.3	51.7	54.7	55.8
3632	Household refrigerators and freezers .....	6.1	5.5	5.2	5.8	6.4
3633	Household laundry equipment .....	3.5	3.5	5.2	5.1	5.2
3634	Electric housewares and fans .....	26.0	25.6	25.0	25.9	26.2
364	Electric lighting and wiring equipment .....	87.5	81.0	82.1	84.5	85.6
3641	Electric lamps .....	17.8	17.5	15.4	16.2	16.3

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Sept. 1962	Oct. 1962	Aug. 1963	Sept. 1963	Oct. 1963
<b>ELECTRIC AND ELECTRONIC EQUIPMENT—Continued</b>						
3643	Current-carrying wiring devices .....	36.7	35.8	36.8	38.0	38.4
365	Radio and TV receiving equipment .....	47.8	46.9	46.2	47.8	49.2
3651	Radio and TV receiving sets .....	35.9	34.6	34.6	35.6	35.7
366	Communication equipment .....	213.6	213.2	205.2	216.0	217.5
3661	Telephone and telegraph apparatus .....	69.3	68.5	57.3	66.4	67.2
3662	Radio and TV communication equipment .....	144.3	144.7	148.9	149.6	150.3
367	Electronic components and accessories .....	278.0	274.5	302.6	309.3	314.5
3671-3	Electronic tubes .....	15.7	15.7	16.7	16.9	16.9
3674	Semiconductors and related devices .....	103.3	102.6	112.7	114.7	115.8
3679	Electronic components, nec .....	115.5	113.6	126.2	129.4	132.9
369	Misc. electrical equipment and supplies .....	54.9	54.6	56.0	58.9	61.2
3694	Engine electrical equipment .....	23.3	23.5	23.7	25.7	26.9
37	<b>TRANSPORTATION EQUIPMENT .....</b>	<b>285.6</b>	<b>282.1</b>	<b>299.0</b>	<b>309.7</b>	<b>314.6</b>
371	Motor vehicles and equipment .....	102.5	97.8	112.4	121.7	125.4
3711	Motor vehicles and car bodies .....	37.3	35.9	43.7	47.7	49.3
3713	Truck and bus bodies .....	3.3	2.9	3.3	3.4	3.5
3714	Motor vehicle parts and accessories .....	58.5	55.6	60.8	65.0	66.9
372	Aircraft and parts .....	113.4	113.2	111.0	112.5	112.4
3721	Aircraft .....	62.5	62.3	62.1	62.0	61.9
3724	Aircraft engines and engine parts .....	25.0	25.0	23.4	24.5	24.4
3728	Aircraft equipment, nec .....	25.9	25.9	25.5	26.0	26.1
373	Ship and boat building and repairing .....	23.4	24.2	23.7	23.6	24.2
3731	Ship building and repairing .....	17.2	18.3	16.2	15.9	16.3
374	Railroad equipment .....	3.9	3.6	3.3	3.2	3.2
376	Guided missiles, space vehicles, parts .....	31.0	31.3	34.4	34.5	34.7
3761	Guided missiles and space vehicles .....	25.5	25.7	28.1	28.2	28.3
379	Miscellaneous transportation equipment .....	7.4	7.5	9.2	9.5	9.4
38	<b>INSTRUMENTS AND RELATED PRODUCTS .....</b>	<b>259.7</b>	<b>296.2</b>	<b>293.8</b>	<b>296.3</b>	<b>296.8</b>
381	Engineering and scientific instruments .....	25.0	25.1	24.5	24.2	24.6
382	Measuring and controlling devices .....	101.7	100.4	100.4	101.8	103.0
3822	Environmental controls .....	20.5	20.1	22.1	22.8	23.2
3823	Process control instruments .....	18.6	18.8	17.5	17.6	17.7
3825	Instruments to measure electricity .....	46.0	45.6	44.9	45.1	45.4
383	Optical instruments and lenses .....	11.8	11.8	11.2	11.5	11.6
384	Medical instruments and supplies .....	86.4	86.0	88.3	89.0	89.2
3841	Surgical and medical instruments .....	42.3	42.2	44.6	44.4	43.4
3842	Surgical appliances and supplies .....	36.9	36.8	37.1	37.9	38.1
385	Ophthalmic goods .....	22.6	21.8	22.4	22.6	22.7
386	Photographic equipment and supplies .....	40.7	39.9	36.4	36.7	36.3
387	Watches, clocks, and watchcases .....	11.5	11.2	10.6	10.5	10.4
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES .....</b>	<b>180.2</b>	<b>177.5</b>	<b>177.5</b>	<b>179.7</b>	<b>183.7</b>
391	Jewelry, silverware, and plated ware .....	25.7	26.6	26.1	26.9	28.1
393	Musical instruments .....	8.5	8.6	9.3	9.3	9.3
394	Toys and sporting goods .....	60.9	57.0	58.4	58.4	59.4
3942, 4	Dolls, games, toys, and children's vehicles .....	36.1	32.2	34.2	33.8	34.2
3949	Sporting and athletic goods, nec .....	24.8	24.8	24.2	24.6	25.2
395	Pens, pencils, office and art supplies .....	16.2	15.8	15.9	16.0	16.1
396	Costume jewelry and notions .....	22.2	22.9	21.2	22.2	23.6
399	Miscellaneous manufactures .....	46.7	46.6	46.6	46.9	47.2
<b>NONDURABLE GOODS</b>						
20	<b>FOOD AND KINDRED PRODUCTS .....</b>	<b>551.2</b>	<b>533.2</b>	<b>549.0</b>	<b>553.4</b>	<b>530.6</b>
201	Meat products .....	116.6	116.3	117.0	117.5	117.5
2011	Meat packing plants .....	26.9	26.8	26.8	26.8	26.7
2013	Sausages and other prepared meats .....	21.9	21.4	21.7	21.5	21.3
2016	Poultry dressing plants .....	60.1	60.4	60.4	61.1	61.2
202	Dairy products .....	36.4	35.5	37.3	36.2	35.8
2026	Fluid milk .....	15.8	15.6	15.4	15.1	15.2
203	Preserved fruits and vegetables .....	148.5	125.9	139.8	139.5	113.8
2032	Canned specialties .....	9.9	9.2	9.0	10.1	9.5
2033	Canned fruits and vegetables .....	72.7	49.9	67.3	63.7	38.8
2037	Frozen fruits and vegetables .....	27.8	27.1	27.3	27.3	26.2
204	Grain mill products .....	28.3	28.6	29.2	29.5	29.2
205	Bakery products .....	59.5	59.6	59.3	59.9	59.4
2051	Bread, cake, and related products .....	39.0	38.9	38.7	39.0	38.8
2052	Cookies and crackers .....	20.5	20.7	20.6	20.9	20.6
206	Sugar and confectionery products .....	42.6	48.6	43.4	47.0	52.2
207	Fats and oils .....	5.4	5.4	5.0	5.0	5.1
208	Beverages .....	42.9	42.8	43.4	44.1	43.6
2082	Malt beverages .....	8.2	8.1	9.2	9.4	9.1
2086	Bottled and canned soft drinks .....	18.9	18.7	19.1	19.0	18.8
209	Misc. foods and kindred products .....	71.0	70.5	74.6	74.7	74.0
21	<b>TOBACCO MANUFACTURES .....</b>	<b>25.6</b>	<b>25.8</b>	<b>23.1</b>	<b>24.8</b>	<b>24.9</b>
211	Cigarettes .....	13.8	14.0	13.7	13.2	13.1

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
22	<b>TEXTILE MILL PRODUCTS</b>	354.7	353.7	358.9	362.6	365.0
221	Weaving mills, cotton	53.9	54.0	53.2	54.1	54.1
222	Weaving mills, synthetics	38.6	38.3	37.9	37.9	37.9
223	Weaving and finishing mills, wool	6.3	6.4	6.9	7.1	7.0
224	Narrow fabric mills	12.9	12.8	12.8	12.7	12.9
225	Knitting mills	133.5	133.2	134.4	135.5	137.1
2251	Women's hosiery, except socks	24.7	24.7	27.0	27.3	27.7
2252	Hosiery, nec	22.4	22.3	23.7	23.7	23.5
2253	Knit outerwear mills	47.6	48.0	42.9	43.8	44.4
2254	Knit underwear mills	21.6	21.5	23.2	22.9	23.4
2257	Circular knit fabric mills	10.0	9.8	10.1	10.2	10.5
226	Textile finishing, except wool	19.6	19.6	19.8	20.0	20.3
2261	Finishing plants, cotton	9.1	9.2	9.0	8.9	9.0
2262	Finishing plants, synthetic	4.8	4.8	5.0	5.0	5.1
227	Floor covering mills	19.7	19.7	21.5	21.8	22.1
228	Yarn and thread mills	53.9	53.4	55.9	56.4	56.3
2281	Yarn mills, except wool	34.9	35.0	36.4	36.6	36.7
2282	Throwing and winding mills	9.8	9.7	10.4	10.6	10.5
229	Miscellaneous textile goods	16.3	16.3	16.5	17.1	17.3
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	939.9	938.7	953.3	966.1	977.3
231	Men's and boys' suits and coats	58.1	56.5	52.5	54.2	54.5
232	Men's and boys' furnishings	272.1	270.8	281.1	284.2	286.8
2321	Men's and boys' shirts and nightwear	79.9	79.4	81.3	82.5	83.1
2327	Men's and boys' separate trousers	53.9	53.6	55.4	55.9	56.2
2328	Men's and boys' work clothing	77.0	77.3	82.3	82.7	84.2
233	Women's and misses' outerwear	328.4	330.7	328.9	330.6	334.5
2331	Women's and misses' blouses and waists	56.1	56.7	55.6	55.8	55.9
2335	Women's and misses' dresses	111.2	110.5	108.7	108.6	111.1
2337	Women's and misses' suits and coats	47.9	48.6	49.8	49.9	49.0
2339	Women's and misses' outerwear, nec	113.2	114.9	114.8	116.3	118.5
234	Women's and children's undergarments	71.9	72.0	73.5	75.0	76.0
2341	Women's and children's underwear	60.6	60.4	61.7	62.9	63.8
2342	Brassieres and allied garments	11.3	11.6	11.8	12.1	12.2
236	Children's outerwear	52.2	52.9	53.6	54.2	54.9
2361	Children's dresses and blouses	23.3	23.7	23.2	23.7	23.6
238	Misc. apparel and accessories	38.0	37.6	36.5	36.8	37.0
239	Misc. fabricated textile products	105.6	104.9	112.9	116.4	118.9
2391	Curtains and draperies	18.0	17.9	19.3	19.7	20.1
2392	House furnishings, nec	32.0	32.5	34.3	35.3	36.2
2398	Automotive and apparel trimmings	16.1	15.1	17.7	18.9	19.5
26	<b>PAPER AND ALLIED PRODUCTS</b>	152.1	150.9	155.0	156.0	155.9
261, 2,6	Paper and pulp mills	26.8	26.4	27.3	27.1	27.0
262	Paper mills, except building paper	24.3	23.8	24.5	24.5	24.4
263	Paperboard mills	5.4	5.2	5.5	5.4	5.3
264	Misc. converted paper products	74.9	74.4	77.2	77.5	77.6
265	Paperboard containers and boxes	45.0	44.9	45.0	46.0	46.0
27	<b>PRINTING AND PUBLISHING</b>	511.9	512.1	523.5	525.8	529.9
271	Newspapers	161.6	161.6	167.2	168.0	169.1
272	Periodicals	57.6	58.2	59.3	59.4	59.8
273	Books	51.8	51.4	50.3	49.3	49.8
274	Miscellaneous publishing	27.6	28.7	29.7	29.6	29.2
275	Commercial printing	136.3	136.8	139.7	141.6	143.3
2751	Commercial printing, letterpress	52.2	52.4	52.8	53.5	54.1
2752	Commercial printing, lithographic	78.2	78.4	80.7	81.8	82.9
276	Manifold business forms	15.5	15.3	15.8	16.0	15.9
278	Blankbooks and bookbinding	33.1	32.1	33.3	33.1	33.5
279	Printing trade services	13.2	13.6	14.3	14.6	14.9
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	280.2	276.4	280.7	280.9	280.1
281	Industrial inorganic chemicals	25.0	24.8	25.7	25.1	25.3
2819	Industrial inorganic chemicals, nec	16.7	16.6	17.5	17.1	17.4
282	Plastics materials and synthetics	39.5	38.4	38.0	37.6	37.3
2821	Plastics materials and resins	10.9	10.9	11.3	11.3	11.2
2824	Organic fibers, noncellulosic	20.8	19.9	18.9	18.8	18.7
283	Drugs	85.6	85.9	87.0	86.9	86.9
2834	Pharmaceutical preparations	71.3	71.5	72.3	72.4	72.5
284	Soap, cleaners, and toilet goods	61.3	58.9	63.5	64.6	63.4
2841	Soap and other detergents	10.0	9.9	10.4	10.3	10.1
2844	Toilet preparations	38.4	36.4	40.1	41.1	39.9
285	Paints and allied products	11.7	11.6	12.1	11.9	12.0
286	Industrial organic chemicals	27.1	27.1	25.5	25.6	25.6
2861,9	Gum, wood, and industrial organic chemicals, nec	22.9	22.9	21.2	21.3	21.2
287	Agricultural chemicals	9.6	9.4	8.7	8.7	8.9
289	Miscellaneous chemical products	20.4	20.3	20.2	20.5	20.7

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
29	<b>PETROLEUM AND COAL PRODUCTS</b>	31.4	31.0	30.6	30.3	30.3
291	Petroleum refining	26.3	25.8	25.6	25.3	25.3
30	<b>RUBBER AND MISC. PLASTICS PRODUCTS</b>	245.0	241.4	260.7	264.9	267.1
301	Tires and inner tubes	9.4	9.2	8.6	8.7	8.7
302	Rubber and plastics footwear	11.5	11.8	11.0	11.0	10.4
303.4	Reclaimed rubber, and rubber and plastics hose and belting	5.5	5.6	5.6	5.7	5.8
306	Fabricated rubber products, nec	34.3	33.4	35.4	36.1	36.4
307	Miscellaneous plastics products	184.3	181.4	200.1	203.4	205.8
31	<b>LEATHER AND LEATHER PRODUCTS</b>	132.6	131.8	131.4	131.7	131.8
311	Leather tanning and finishing	2.7	2.6	2.7	2.8	2.7
314	Footwear, except rubber	91.2	90.2	88.7	88.3	87.9
3143	Men's footwear, except athletic	33.9	33.5	32.7	32.9	32.4
3144	Women's footwear, except athletic	37.2	36.7	36.5	35.7	35.8
316	Luggage	7.1	7.1	7.7	7.7	7.7
317	Handbags and personal leather goods	18.6	18.6	19.2	19.8	20.1
-	<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	1,343	1,343	1,012	1,354	1,355
41	<b>LOCAL AND INTERURBAN PASSENGER TRANSIT</b>	77.5	78.4	45.0	75.6	78.7
411	Local and suburban transportation	16.9	16.4	16.8	18.1	18.4
412	Taxis	6.1	6.1	5.4	5.6	5.6
413	Intercity highway transportation	5.2	4.8	4.5	4.5	4.8
415	School buses	45.6	47.4	14.4	43.2	46.5
42	<b>TRUCKING AND WAREHOUSING</b>	154.0	156.6	157.5	157.8	161.8
421.3	Trucking and trucking terminals	136.8	136.4	139.4	140.3	141.5
422	Public warehousing	17.2	20.2	18.1	17.5	20.3
44	<b>WATER TRANSPORTATION</b>	25.8	25.3	26.5	25.6	25.5
45	<b>TRANSPORTATION BY AIR</b>	148.1	147.6	154.4	154.1	149.7
451.2	Air transportation	138.5	138.2	144.0	143.7	139.1
46	<b>PIPE LINES, EXCEPT NATURAL GAS</b>	3.0	3.0	2.8	2.7	2.7
47	<b>TRANSPORTATION SERVICES</b>	111.4	110.9	120.5	121.0	121.2
48	<b>COMMUNICATION</b>	628.6	627.1	307.8	618.1	617.2
481	Telephone communication	516.8	514.1	180.9	490.2	488.4
483	Radio and television broadcasting	74.0	74.4	78.5	78.6	79.0
49	<b>ELECTRIC, GAS, AND SANITARY SERVICES</b>	171.9	172.3	176.9	178.2	177.7
491	Electric services	83.4	83.6	88.4	88.1	87.8
492	Gas production and distribution	39.3	39.2	39.2	38.5	38.6
493	Combination utility services	37.6	37.5	36.3	38.9	38.7
496	Sanitary services	6.2	6.4	7.1	7.1	7.0
-	<b>WHOLESALE AND RETAIL TRADE</b>	9,107	9,101	9,219	9,282	9,303
50,51	<b>WHOLESALE TRADE</b>	1,392	1,403	1,402	1,416	1,431
50	<b>WHOLESALE TRADE-DURABLE GOODS</b>	757	756	768	771	779
501	Motor vehicles and automotive equipment	87.2	86.9	89.3	88.9	89.3
502	Furniture and home furnishings	44.4	44.9	45.8	46.3	46.7
503	Lumber and construction materials	36.6	36.5	38.7	38.9	39.7
504	Sporting goods, toys, and hobby goods	24.8	24.8	26.0	26.5	26.2
506	Metals and minerals, except petroleum	26.5	26.2	24.7	24.5	24.6
506	Electrical goods	126.5	125.9	129.0	131.3	133.4
507	Hardware, plumbing, and heating equipment	63.7	63.7	64.0	64.2	65.1
508	Machinery, equipment, and supplies	304.8	303.8	307.4	307.1	309.7
508	Miscellaneous durable goods	42.8	42.8	42.9	43.0	43.8
51	<b>WHOLESALE TRADE-NONDURABLE GOODS</b>	635	647	634	645	652
511	Paper and paper products	51.9	52.1	53.2	53.3	54.1
512	Drugs, proprietaries, and sundries	68.8	69.7	67.7	67.9	68.3
513	Apparel, piece goods, and notions	85.2	87.0	84.6	85.1	86.2
514	Groceries and related products	155.3	155.8	158.0	162.2	162.3
518	Chemicals and allied products	37.3	37.6	39.3	39.1	40.0
517	Petroleum and petroleum products	53.1	53.1	52.1	52.2	51.9
518	Beer, wine, and distilled beverages	22.1	21.9	22.3	22.1	22.2
519	Miscellaneous nondurable goods	122.6	122.9	119.5	121.8	127.5

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
52-59	<b>RETAIL TRADE</b> .....	7,715	7,698	7,817	7,866	7,872
52	<b>BUILDING MATERIALS AND GARDEN SUPPLIES</b> .....	156.1	157.8	163.5	163.5	165.3
521	Lumber and other building materials .....	61.1	61.5	67.9	67.8	68.4
525	Hardware stores .....	55.5	56.2	57.4	56.7	57.9
53	<b>GENERAL MERCHANDISE STORES</b> .....	1,461.2	1,488.0	1,477.0	1,488.8	1,525.6
531	Department stores .....	1,212.5	1,238.4	1,241.8	1,254.0	1,285.5
533	Variety stores .....	172.2	172.9	159.8	160.6	164.1
539	Misc. general merchandise stores .....	76.5	76.7	75.4	74.2	76.0
54	<b>FOOD STORES</b> .....	1,097.2	1,094.7	1,114.8	1,121.9	1,129.6
541	Grocery stores .....	919.9	917.4	933.5	941.6	945.4
542	Meat markets and freezer provisioners .....	18.0	17.9	18.2	17.9	18.4
546	Retail bakeries .....	83.1	83.5	87.8	89.0	89.5
55	<b>AUTOMOTIVE DEALERS AND SERVICE STATIONS</b> .....	315.7	313.2	322.7	323.6	324.4
551.2	New and used car dealers .....	108.6	108.1	112.1	113.6	114.0
553	Auto and home supply stores .....	48.1	48.6	49.1	48.5	49.5
554	Gasoline service stations .....	144.9	142.5	145.1	145.4	145.2
56	<b>APPAREL AND ACCESSORY STORES</b> .....	653.3	657.3	659.7	658.6	667.1
561	Men's and boys' clothing and furnishings .....	52.7	53.0	52.0	51.5	52.2
562	Women's ready-to-wear stores .....	303.0	305.4	311.5	312.7	317.2
565	Family clothing stores .....	130.6	130.6	130.5	127.3	128.7
566	Shoe stores .....	85.5	84.5	86.3	85.1	85.0
57	<b>FURNITURE AND HOME FURNISHING STORES</b> .....	199.5	202.6	211.7	214.3	219.1
571	Furniture and home furnishings stores .....	127.7	128.5	132.9	133.0	135.5
572	Household appliance stores .....	22.0	22.6	25.5	26.2	27.7
573	Radio, television, and music stores .....	49.8	51.5	53.3	55.1	55.9
58	<b>EATING AND DRINKING PLACES</b> .....	2,777.1	2,713.1	2,805.0	2,808.1	2,734.2
59	<b>MISCELLANEOUS RETAIL</b> .....	1,054.4	1,071.5	1,062.4	1,087.1	1,106.3
591	Drug stores and proprietary stores .....	311.2	310.2	310.5	312.4	313.4
592	Liquor stores .....	35.0	37.8	35.0	35.8	36.9
594	Miscellaneous shopping goods stores .....	378.9	386.8	389.2	399.5	405.9
596	Nonstore retailers .....	156.7	160.3	153.3	161.8	169.0
598	Fuel and ice dealers .....	22.8	24.0	22.8	22.9	23.4
599	Retail stores, nec .....	127.9	130.4	128.1	131.5	133.9
-	<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,200	3,193	3,307	3,297	3,295
60	<b>BANKING</b> .....	1,172.1	1,170.4	1,185.8	1,180.9	1,179.1
602	Commercial and stock savings banks .....	1,075.9	1,073.8	1,085.0	1,081.0	1,078.4
61	<b>CREDIT AGENCIES OTHER THAN BANKS</b> .....	403.7	405.3	434.9	436.4	438.3
612	Savings and loan associations .....	203.1	205.0	227.6	228.3	229.6
614	Personal credit institutions .....	128.8	128.2	125.7	125.7	126.2
62	<b>SECURITY, COMMODITY BROKERS, AND SERVICES</b> .....	118.7	120.3	138.7	139.4	140.3
621	Security brokers and dealers .....	96.3	97.9	112.4	113.3	114.0
63	<b>INSURANCE CARRIERS</b> .....	746.7	745.3	745.2	743.0	743.8
631	Life insurance .....	302.4	301.3	297.2	295.6	296.7
632	Medical service and health insurance .....	101.8	102.4	105.1	105.1	105.4
633	Fire, marine, and casualty insurance .....	295.0	294.0	288.4	287.8	286.8
64	<b>INSURANCE AGENTS, BROKERS, AND SERVICE</b> .....	300.8	300.6	306.9	306.1	305.9
65	<b>REAL ESTATE</b> .....	375.0	368.7	411.3	407.4	403.9
651	Real estate operators and lessors .....	161.1	158.0	181.2	180.4	179.9
653	Real estate agents and managers .....	166.8	164.6	179.5	176.0	171.9
655	Subdividers and developers .....	33.6	32.9	34.1	34.2	33.6
66	<b>COMBINED REAL ESTATE, INSURANCE, ETC.</b> .....	10.7	10.7	10.6	10.3	10.3
67	<b>HOLDING AND OTHER INVESTMENT OFFICES</b> .....	72.2	72.0	73.1	73.0	73.3
-	<b>SERVICES</b> .....	11,404	11,451	11,767	11,864	11,930
70	<b>HOTELS AND OTHER LODGING PLACES</b> .....	625.9	599.9	680.5	634.4	613.4
701	Hotels, motels, and tourist courts .....	603.4	582.8	637.2	611.7	594.8

**ESTABLISHMENT DATA  
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1982	Oct. 1982	Aug. 1983	Sept. 1983	Oct. 1983
72	<b>PERSONAL SERVICES</b> .....	643.2	649.2	629.0	638.6	649.4
721	Laundry, cleaning, and garment services .....	218.5	220.4	216.7	217.7	219.5
723	Beauty shops .....	256.4	256.7	265.3	268.6	270.2
728	Funeral service and crematories .....	20.4	20.3	21.7	21.2	21.4
73	<b>BUSINESS SERVICES</b> .....	1,453.3	1,470.4	1,630.7	1,660.8	1,691.0
731	Advertising .....	80.6	80.6	84.4	84.7	85.1
732	Credit reporting and collection .....	53.2	53.0	57.2	57.1	57.1
733	Mailing, reproduction, stenographic .....	65.8	67.0	69.1	72.7	74.9
734	Services to buildings .....	200.6	199.8	208.2	210.4	212.8
738	Personnel supply services .....	358.1	362.6	472.9	484.8	499.3
737	Computer and data processing services .....	172.7	175.0	187.8	187.0	192.0
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	101.1	100.7	104.3	104.5	103.6
753	Automotive repair shops .....	50.6	50.3	51.6	51.6	50.7
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	55.2	55.4	53.8	54.8	55.0
78	<b>MOTION PICTURES</b> .....	82.9	80.1	88.9	84.3	80.4
781	Motion picture production and services .....	26.8	27.3	28.6	29.8	29.8
783	Motion picture theaters .....	50.0	46.7	54.5	48.6	44.7
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	341.6	308.2	400.3	363.2	323.6
80	<b>HEALTH SERVICES</b> .....	4,758.5	4,765.1	4,892.9	4,890.6	4,894.1
801	Offices of physicians .....	650.3	652.2	688.8	690.4	689.7
802	Offices of dentists .....	330.1	331.9	352.9	352.8	356.4
805	Nursing and personal care facilities .....	953.0	953.3	980.3	979.8	979.6
806	Hospitals .....	2,449.6	2,449.7	2,448.0	2,441.2	2,448.1
81	<b>LEGAL SERVICES</b> .....	401.6	403.4	431.4	431.1	435.3
82	<b>EDUCATIONAL SERVICES</b> .....	630.4	695.8	519.2	626.4	686.3
821	Elementary and secondary schools .....	208.2	216.6	166.7	204.4	213.5
822	Colleges and universities .....	356.4	409.3	284.6	351.6	400.8
83	<b>SOCIAL SERVICES</b> .....	884.5	886.2	907.8	936.4	948.5
89	<b>MISCELLANEOUS SERVICES</b> .....	353.4	355.2	370.5	368.8	371.2
891	Engineering and architectural services .....	128.4	127.8	132.2	131.1	131.2
893	Accounting, auditing, and bookkeeping .....	170.8	173.1	179.4	180.0	181.9
-	<b>GOVERNMENT</b> .....	7,312	7,614	6,880	7,413	7,711
-	<b>FEDERAL GOVERNMENT</b> .....	876	875	963	951	952
-	<b>STATE AND LOCAL GOVERNMENT</b> .....	6,436	6,739	5,917	6,462	6,759
-	State government .....	1,587.2	1,658.6	1,468.4	1,546.2	1,634.8
-	Hospitals .....	305.2	306.0	297.0	296.8	297.7
-	State education .....	635.4	715.8	549.5	634.7	720.0
-	General administration including executive, legislative, and judicial functions .....	435.1	428.3	406.7	403.3	404.9
-	Local government .....	4,848.3	5,080.4	4,448.3	4,915.7	5,123.7
-	Transportation and public utilities .....	88.9	88.0	94.0	93.1	92.8
-	Hospitals .....	517.8	519.1	521.1	518.1	518.1
-	Local education .....	3,076.8	3,344.1	2,587.9	3,147.9	3,381.7
-	General administration including executive, legislative, and judicial functions .....	977.9	959.7	1,041.1	966.5	948.2

# ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. p
<b>TOTAL</b> .....	88,665	88,885	88,746	88,814	89,090	89,421	89,844	90,152	89,748	90,851	91,037	91,413	91,644
<b>GOODS-PRODUCING</b> .....	22,061	23,186	23,049	23,030	23,159	23,347	23,518	23,724	21,830	23,935	24,163	24,322	24,434
<b>MINING</b> .....	1,053	1,037	1,014	1,006	997	994	1,003	1,017	1,023	1,026	1,044	1,044	1,053
<b>CONSTRUCTION</b> .....	3,815	3,905	3,750	3,757	3,786	3,860	3,933	3,974	4,014	4,038	4,060	4,096	4,110
<b>MANUFACTURING</b> .....	18,193	18,244	18,245	18,267	18,376	18,433	18,582	18,733	18,793	18,871	19,064	19,132	19,271
<b>DURABLE GOODS</b> .....	10,559	10,594	10,608	10,617	10,689	10,788	10,844	10,961	11,022	11,081	11,235	11,324	11,394
Lumber and wood products .....	614	625	631	638	651	662	679	688	699	703	712	715	712
Furniture and fixtures .....	429	430	427	433	440	446	450	459	457	459	465	470	472
Stone, clay, and glass products .....	554	557	557	559	565	570	573	577	582	585	590	591	594
Primary metal industries .....	816	817	810	816	820	828	830	839	840	849	867	876	881
Fabricated metal products .....	1,359	1,364	1,364	1,362	1,369	1,379	1,384	1,391	1,410	1,411	1,430	1,438	1,448
Machinery, except electrical .....	2,066	2,048	2,042	2,030	2,031	2,064	2,066	2,094	2,105	2,115	2,131	2,160	2,169
Electric and electronic equipment .....	1,957	1,974	1,981	1,988	1,995	2,010	2,030	2,047	2,043	2,082	2,107	2,129	2,146
Transportation equipment .....	1,696	1,710	1,729	1,723	1,743	1,757	1,762	1,794	1,807	1,801	1,848	1,856	1,873
Instruments and related products .....	695	695	693	691	690	689	687	687	692	696	699	702	705
Miscellaneous manufacturing ind. ....	373	374	374	377	381	383	383	385	383	380	386	389	394
<b>NONDURABLE GOODS</b> .....	7,634	7,650	7,637	7,650	7,687	7,705	7,738	7,772	7,771	7,790	7,829	7,856	7,877
Food and kindred products .....	1,626	1,626	1,620	1,619	1,633	1,632	1,643	1,638	1,627	1,630	1,628	1,635	1,639
Tobacco manufactures .....	69	69	67	67	66	66	65	65	62	63	64	61	59
Textile mill products .....	727	726	726	730	733	736	745	746	752	753	759	759	761
Apparel and other textile products .....	1,140	1,150	1,148	1,143	1,149	1,153	1,159	1,180	1,175	1,177	1,191	1,200	1,211
Paper and allied products .....	653	653	652	652	654	656	657	658	659	662	665	666	668
Printing and publishing .....	1,263	1,266	1,264	1,269	1,274	1,276	1,281	1,284	1,289	1,290	1,297	1,301	1,302
Chemicals and allied products .....	1,059	1,057	1,056	1,056	1,058	1,058	1,056	1,059	1,056	1,060	1,061	1,061	1,062
Petroleum and coal products .....	199	200	199	199	199	198	198	197	195	195	193	193	192
Rubber and misc. plastic products .....	685	688	691	699	707	716	721	732	739	742	753	762	769
Leather and leather products .....	213	215	214	216	214	214	213	213	217	218	218	218	216
<b>SERVICE-PRODUCING</b> .....	65,604	65,699	65,697	65,784	65,931	66,074	66,326	66,428	65,918	66,916	66,919	67,391	67,210
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,008	4,979	4,966	4,963	4,988	4,993	4,992	4,984	4,341	5,031	5,019	5,027	5,024
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,256	20,355	20,343	20,350	20,329	20,356	20,494	20,529	20,580	20,612	20,666	20,705	20,732
<b>WHOLESALE TRADE</b> .....	5,192	5,185	5,181	5,176	5,180	5,197	5,222	5,229	5,249	5,274	5,287	5,289	5,304
<b>RETAIL TRADE</b> .....	15,064	15,170	15,162	15,174	15,149	15,159	15,272	15,300	15,331	15,338	15,379	15,416	15,428
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,367	5,374	5,384	5,391	5,423	5,435	5,451	5,465	5,488	5,499	5,503	5,523	5,537
<b>SERVICES</b> .....	19,215	19,238	19,262	19,356	19,478	19,546	19,668	19,770	19,835	19,913	19,956	20,051	20,122
<b>GOVERNMENT</b> .....	15,758	15,753	15,742	15,724	15,713	15,744	15,721	15,680	15,674	15,861	15,775	15,785	15,795
<b>FEDERAL</b> .....	2,747	2,748	2,742	2,742	2,738	2,756	2,742	2,738	2,746	2,778	2,764	2,771	2,771
<b>STATE AND LOCAL</b> .....	13,011	13,005	13,000	12,982	12,975	12,988	12,979	12,942	12,928	13,083	13,011	13,014	13,024

p=preliminary.

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

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

(In thousands)

Industry division and group	1982			1983									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
<b>TOTAL</b> .....	38,907	38,884	38,847	38,955	38,977	39,048	39,176	39,306	39,458	39,736	39,555	39,958	40,066
<b>GOODS-PRODUCING</b> .....	6,390	6,353	6,336	6,376	6,376	6,390	6,433	6,466	6,505	6,561	6,569	6,606	6,664
<b>MINING</b> .....	132	130	129	129	128	127	126	123	122	123	124	124	125
<b>CONSTRUCTION</b> .....	375	375	377	379	379	380	380	382	384	389	391	396	396
<b>MANUFACTURING</b> .....	5,883	5,848	5,830	5,868	5,869	5,883	5,927	5,961	5,999	6,049	6,054	6,086	6,143
<b>DURABLE GOODS</b> .....	2,748	2,729	2,717	2,732	2,738	2,748	2,769	2,792	2,808	2,842	2,851	2,876	2,913
Lumber and wood products .....	90	91	92	93	94	95	96	97	100	101	101	102	103
Furniture and fixtures .....	128	129	128	130	129	131	133	134	135	138	137	137	138
Stone, clay, and glass products .....	111	109	108	108	107	108	110	111	110	111	111	112	113
Primary metal industries .....	97	94	94	95	96	96	96	96	97	97	97	99	101
Fabricated metal products .....	292	290	291	293	295	296	298	301	303	304	308	308	312
Machinery, except electrical .....	458	453	450	447	445	443	445	451	452	459	464	463	466
Electric and electronic equipment .....	827	826	814	822	826	831	837	844	851	863	861	881	896
Transportation equipment .....	279	275	280	283	286	287	291	295	296	301	303	306	311
Instruments and related products .....	296	294	292	292	291	291	290	289	289	291	294	296	297
Miscellaneous manufacturing ind. ....	170	168	168	169	169	170	173	174	175	177	175	172	176
<b>NONDURABLE GOODS</b> .....	3,135	3,119	3,113	3,136	3,131	3,135	3,158	3,169	3,191	3,207	3,203	3,210	3,230
Food and kindred products .....	499	497	495	499	498	497	505	505	513	507	498	498	496
Tobacco manufactures .....	23	22	24	24	23	23	23	23	23	22	21	22	22
Textile mill products .....	350	347	346	346	345	348	349	350	355	355	357	358	361
Apparel and other textile products .....	926	921	917	932	928	924	929	933	937	954	950	952	964
Paper and allied products .....	150	150	150	150	149	150	151	151	152	153	153	154	155
Printing and publishing .....	512	511	512	513	513	515	518	520	523	524	526	527	530
Chemicals and allied products .....	277	276	275	274	275	275	276	276	277	278	278	280	280
Petroleum and coal products .....	31	31	31	31	31	31	31	30	30	30	30	30	30
Rubber and misc. plastics products .....	238	235	236	238	241	244	249	253	254	257	262	260	263
Leather and leather products .....	129	129	127	129	128	128	127	128	127	127	128	129	129
<b>SERVICE-PRODUCING</b> .....	32,517	32,531	32,511	32,579	32,601	32,658	32,743	32,840	32,953	33,175	32,987	33,352	33,402
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	1,332	1,330	1,331	1,328	1,328	1,328	1,332	1,329	1,333	1,326	1,021	1,346	1,343
<b>WHOLESALE AND RETAIL TRADE</b> ..	9,045	9,033	8,997	9,063	9,068	9,088	9,094	9,099	9,167	9,208	9,225	9,216	9,247
<b>WHOLESALE TRADE</b> .....	1,387	1,380	1,378	1,374	1,375	1,372	1,377	1,381	1,396	1,401	1,408	1,412	1,414
<b>RETAIL TRADE</b> .....	7,658	7,653	7,619	7,689	7,693	7,716	7,717	7,718	7,771	7,807	7,817	7,804	7,833
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,203	3,207	3,212	3,218	3,220	3,227	3,251	3,255	3,263	3,277	3,287	3,304	3,305
<b>SERVICES</b> .....	11,410	11,431	11,456	11,474	11,500	11,536	11,603	11,654	11,708	11,759	11,802	11,852	11,882
<b>GOVERNMENT</b> .....	7,527	7,530	7,515	7,496	7,485	7,479	7,463	7,503	7,482	7,605	7,652	7,634	7,625
<b>FEDERAL</b> .....	887	894	894	892	891	902	910	928	935	947	951	965	966
<b>STATE AND LOCAL</b> .....	6,640	6,636	6,621	6,604	6,594	6,577	6,553	6,575	6,547	6,658	6,701	6,669	6,659



# ESTABLISHMENT DATA

## SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1983												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. <sup>P</sup>	Dec. P
<b>TOTAL PRIVATE</b> .....	58,764	58,939	58,801	58,889	59,150	59,462	59,871	60,182	59,751	60,607	60,886	61,150	61,312
<b>GOODS-PRODUCING</b> .....	15,908	16,019	15,900	15,881	16,016	16,183	16,349	16,538	16,626	16,705	16,926	17,066	17,162
<b>MINING</b> .....	750	736	715	707	701	699	710	721	724	728	741	742	750
<b>CONSTRUCTION</b> .....	2,917	2,992	2,882	2,851	2,880	2,953	3,024	3,061	3,099	3,118	3,142	3,174	3,183
<b>MANUFACTURING</b> .....	12,241	12,291	12,303	12,323	12,435	12,531	12,615	12,756	12,803	12,859	13,043	13,150	13,229
<b>DURABLE GOODS</b> .....	6,892	6,931	6,949	6,961	7,035	7,115	7,169	7,278	7,329	7,378	7,522	7,600	7,661
Lumber and wood products .....	506	515	522	529	540	550	566	575	584	588	597	601	597
Furniture and fixtures .....	338	339	337	342	349	354	357	365	364	365	371	376	378
Stone, clay, and glass products .....	418	421	421	423	429	434	436	440	446	448	453	455	456
Primary metal industries .....	596	598	595	601	608	615	616	625	629	636	653	663	666
Fabricated metal products .....	973	981	983	982	987	996	1,003	1,009	1,023	1,025	1,044	1,049	1,058
Machinery, except electrical .....	1,199	1,186	1,179	1,171	1,175	1,201	1,204	1,227	1,241	1,247	1,262	1,287	1,296
Electric and electronic equipment .....	1,161	1,182	1,187	1,193	1,204	1,213	1,226	1,242	1,238	1,270	1,292	1,310	1,326
Transportation equipment .....	1,044	1,055	1,073	1,066	1,085	1,093	1,103	1,134	1,141	1,134	1,176	1,181	1,200
Instruments and related products .....	390	387	385	394	384	384	382	382	386	391	394	395	396
Miscellaneous manufacturing ind. ....	267	267	267	270	274	275	276	279	277	274	280	283	288
<b>NONDURABLE GOODS</b> .....	5,345	5,360	5,354	5,362	5,400	5,416	5,446	5,478	5,474	5,481	5,521	5,550	5,568
Food and kindred products .....	1,119	1,119	1,115	1,114	1,126	1,126	1,136	1,133	1,120	1,120	1,120	1,127	1,129
Tobacco manufactures .....	54	54	52	52	51	51	50	50	47	48	49	46	43
Textile mill products .....	623	622	622	627	631	634	643	643	650	650	655	657	660
Apparel and other textile products .....	963	973	970	965	972	976	980	999	994	995	1,009	1,017	1,025
Paper and allied products .....	486	486	486	486	488	491	491	494	492	495	498	500	503
Printing and publishing .....	695	694	694	694	699	701	705	705	708	708	714	719	717
Chemicals and allied products .....	589	588	587	585	587	585	586	589	588	589	591	593	595
Petroleum and coal products .....	119	120	121	122	122	120	119	119	118	117	116	115	115
Rubber and misc. plastics products .....	524	525	529	538	546	554	558	568	575	576	586	593	600
Leather and leather products .....	177	179	178	179	178	178	178	178	182	183	183	183	181
<b>SERVICE-PRODUCING</b> .....	42,856	42,920	42,901	43,008	43,134	43,279	43,522	43,644	43,125	43,902	43,960	44,084	44,150
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,125	4,103	4,087	4,086	4,106	4,111	4,110	4,103	3,461	4,143	4,135	4,134	4,132
<b>WHOLESALE AND RETAIL TRADE</b> ..	17,689	17,774	17,769	17,776	17,754	17,797	17,910	17,958	18,000	18,018	18,052	18,082	18,079
<b>WHOLESALE TRADE</b> .....	4,183	4,171	4,166	4,156	4,165	4,182	4,203	4,207	4,225	4,250	4,256	4,257	4,265
<b>RETAIL TRADE</b> .....	13,506	13,603	13,603	13,620	13,589	13,615	13,707	13,751	13,775	13,768	13,796	13,825	13,813
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	3,997	3,998	4,003	4,012	4,037	4,049	4,065	4,071	4,090	4,095	4,099	4,114	4,129
<b>SERVICES</b> .....	17,045	17,045	17,042	17,134	17,237	17,322	17,437	17,512	17,574	17,646	17,674	17,754	17,810

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

p=preliminary.

# ESTABLISHMENT DATA

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1981.....	57.8	52.4	52.2	65.6	60.2	58.9	62.6	49.5	42.2	33.3	29.3	30.9
	1982.....	28.5	45.4	36.0	39.0	47.6	32.8	38.4	37.1	34.1	29.3	32.0	42.2
	1983.....	56.5	45.7	62.4	69.1	71.0	64.5	68.5	68.0	60.8	70.7	64.2p	62.9p
Over 3-month span	1981.....	58.3	54.6	59.1	65.9	67.5	66.7	60.5	50.5	33.3	30.1	24.5	23.4
	1982.....	25.3	28.8	32.0	34.1	32.5	33.6	27.2	27.2	26.1	25.5	24.7	40.6
	1983.....	45.4	55.1	65.6	75.8	76.1	77.2	73.9	79.6	79.6	75.0p	70.4p	
Over 6-month span	1981.....	68.5	65.3	63.7	69.4	64.2	58.6	45.7	34.4	29.6	24.2	25.0	22.0
	1982.....	20.2	23.7	25.3	29.8	26.1	26.1	23.4	19.1	21.2	26.1	26.6	35.8
	1983.....	50.5	63.2	73.4	76.3	79.3	83.6	82.5	82.0p	80.6p			
Over 12-month span	1981.....	74.5	71.2	70.4	58.1	47.6	41.4	34.9	29.8	27.4	23.7	25.3	23.1
	1982.....	22.0	20.7	18.0	19.4	18.3	20.7	20.7	22.8	24.2	31.5	37.6	44.1
	1983.....	48.9	58.3	62.6	73.4	76.3p	80.9p						

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

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

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P
<b>1 ALABAMA</b> .....	1,312.3	1,322.5	1,323.4	15.9	14.6	14.9	59.3	61.0	61.3	326.9	335.0	335.2
2 Birmingham .....	334.7	335.0	335.2	8.1	6.9	7.0	17.0	18.1	18.0	49.9	48.2	48.1
3 Huntsville .....	126.9	132.9	133.0	(1)	(1)	(1)	3.7	4.3	4.3	38.2	42.0	42.1
4 Mobile .....	147.6	147.0	147.1	(1)	(1)	(1)	9.6	9.8	9.9	26.7	26.5	26.8
5 Montgomery .....	104.0	105.1	105.4	(1)	(1)	(1)	5.4	6.2	6.3	14.6	14.6	14.4
6 Tuscaloosa .....	50.3	49.9	50.3	2.6	2.1	2.2	2.1	1.8	1.8	7.4	7.9	8.0
<b>7 ALASKA</b> .....	198.2	216.5	209.7	7.8	8.0	7.8	17.4	22.4	19.7	9.7	11.1	9.2
<b>8 ARIZONA</b> .....	1,039.5	1,067.6	1,076.9	16.0	15.6	15.6	64.7	76.4	76.3	148.9	156.4	156.9
9 Phoenix .....	661.1	681.6	689.7	.6	.6	.6	43.4	52.0	52.2	107.3	111.9	112.8
10 Tucson .....	193.9	199.0	200.9	3.9	3.4	3.4	12.4	15.1	15.2	25.4	26.8	27.0
<b>11 ARKANSAS</b> .....	720.8	752.4	752.2	5.7	5.2	5.2	29.0	31.0	29.8	191.4	206.9	207.5
12 Fayetteville—Springdale .....	65.2	67.9	67.8	(1)	(1)	(1)	2.2	2.2	2.2	18.2	18.2	18.2
13 Fort Smith .....	64.3	67.7	67.8	1.2	1.1	1.1	2.1	2.3	2.2	19.5	22.5	22.5
14 Little Rock—North Little Rock .....	176.9	180.6	181.0	(1)	(1)	(1)	8.3	8.6	8.4	25.8	26.2	26.3
15 Pine Bluff .....	29.2	30.1	30.0	(1)	(1)	(1)	1.2	1.2	1.2	5.7	6.0	5.8
<b>18 CALIFORNIA</b> .....	9,801.8	10,047.8	10,066.0	49.1	47.3	47.5	349.5	401.1	394.6	1,886.9	1,926.8	1,926.3
17 Anaheim—Santa Ana—Garden Grove .....	846.4	843.4	847.6	3.4	3.2	3.2	35.6	30.9	30.7	209.4	211.7	211.7
18 Bakersfield .....	139.1	138.8	139.6	14.5	14.2	14.4	6.6	6.2	6.1	9.7	9.5	9.5
19 Fresno .....	177.3	177.7	178.1	1.0	1.1	1.1	8.4	8.5	8.4	21.3	23.2	22.7
20 Los Angeles—Long Beach .....	3,563.3	3,630.9	3,654.6	14.3	14.0	14.1	101.2	103.4	103.2	845.9	859.3	864.6
21 Modesto .....	85.8	86.0	84.6	.1	.1	.1	3.7	4.2	4.1	17.5	20.0	18.5
22 Oxnard—Simi Valley—Ventura .....	162.0	161.9	161.6	3.1	3.0	3.0	5.1	5.4	5.3	26.1	26.3	25.5
23 Riverside—San Bernardino—Ontario .....	432.8	434.7	438.3	1.1	.9	.9	19.9	19.8	19.6	56.6	57.8	57.3
24 Sacramento .....	408.8	412.9	413.8	.8	.8	.8	15.7	17.7	16.6	26.2	27.8	26.9
25 Salinas—Seaside—Monterey .....	89.9	91.4	91.5	.4	.4	.4	2.8	3.1	3.1	9.0	9.6	9.3
26 San Diego .....	661.8	672.8	676.4	.5	.5	.5	26.5	27.7	27.9	106.0	107.2	107.3
27 San Francisco—Oakland .....	1,570.6	1,569.8	1,573.9	4.5	4.5	4.5	71.2	71.7	70.4	187.5	182.4	182.0
28 San Jose .....	700.3	700.3	703.4	.1	.1	.1	22.0	24.3	24.1	256.6	253.4	253.6
29 Santa Barbara—Santa Maria—Lompoc .....	125.9	125.7	126.0	1.5	1.2	1.2	4.7	4.4	4.5	18.4	19.5	19.6
30 Santa Rosa .....	97.4	98.0	98.3	.5	.6	.6	4.7	5.2	5.1	15.7	15.8	15.8
31 Stockton .....	119.0	119.8	118.1	.1	.1	.1	5.1	5.4	5.1	19.6	19.5	19.2
32 Vallejo—Fairfield—Napa .....	103.0	103.6	103.3	.5	.5	.5	4.5	4.7	4.6	10.5	10.7	10.2
<b>33 COLORADO</b> .....	1,316.4	1,350.3	1,352.1	40.8	39.2	39.2	79.6	88.8	88.2	178.8	183.3	183.4
34 Denver—Boulder .....	846.8	868.4	869.9	28.7	27.5	27.6	47.4	51.1	50.5	122.8	127.4	127.8
<b>35 CONNECTICUT</b> .....	1,436.1	1,449.7	1,457.7	(2)	(2)	(2)	53.0	53.8	53.0	406.5	406.4	409.0
36 Bridgeport .....	168.7	166.7	167.9	(2)	(2)	(2)	5.1	5.3	5.2	59.3	58.1	58.5
37 Hartford .....	400.5	402.5	404.2	(2)	(2)	(2)	11.9	12.2	12.0	88.2	87.3	88.0
38 New Britain .....	59.9	59.4	59.5	(2)	(2)	(2)	2.3	2.3	2.3	24.8	24.1	24.2
39 New Haven—West Haven .....	190.2	186.0	187.1	(2)	(2)	(2)	6.4	6.6	6.5	39.7	37.1	37.6
40 Stamford .....	114.6	115.3	115.4	(2)	(2)	(2)	5.2	5.3	5.2	32.0	31.8	31.8
41 Waterbury .....	84.6	85.8	86.2	(2)	(2)	(2)	3.0	3.1	3.1	28.4	28.6	28.7
<b>42 DELAWARE</b> .....	258.2	264.6	265.6	(1)	(1)	(1)	15.9	17.0	16.8	65.3	68.3	68.4
43 Wilmington .....	229.9	233.7	234.2	(1)	(1)	(1)	19.1	19.7	19.0	58.2	59.2	59.1
<b>44 DISTRICT OF COLUMBIA</b> .....	592.7	594.2	596.3	(1)	(1)	(1)	10.3	10.4	10.4	13.5	14.0	13.9
45 Washington SMSA .....	1,603.9	1,628.8	1,637.7	(1)	(1)	(1)	69.5	75.2	75.6	61.1	65.5	65.9
<b>48 FLORIDA</b> .....	3,793.7	3,916.5	3,962.9	9.6	9.4	9.4	242.5	260.8	261.7	458.8	482.6	488.2
47 Daytona Beach .....	82.4	85.3	86.7	(1)	(1)	(1)	4.2	4.2	4.3	9.2	10.5	10.7
48 Fort Lauderdale—Hollywood .....	358.9	367.0	370.3	(1)	(1)	(1)	24.8	26.2	25.6	39.0	40.4	40.5
49 Fort Myers—Cape Coral .....	76.5	77.7	78.0	(1)	(1)	(1)	9.1	9.4	9.4	4.1	4.1	4.1
50 Gainesville .....	67.1	70.5	70.5	(1)	(1)	(1)	3.5	4.4	4.3	4.1	4.2	4.3
51 Jacksonville .....	310.0	317.4	318.7	(1)	(1)	(1)	18.5	19.7	19.8	32.6	32.0	32.3
52 Lakeland—Winter Haven .....	118.9	115.2	118.3	4.5	4.4	4.4	7.1	6.4	6.5	20.7	18.6	20.0
53 Melbourne—Titusville—Cocoa .....	109.9	114.8	115.6	(1)	(1)	(1)	5.6	6.2	6.3	23.9	25.7	25.9
54 Miami .....	729.2	735.3	740.9	(1)	(1)	(1)	32.4	36.5	36.5	94.4	95.9	96.3
55 Orlando .....	326.1	340.1	345.4	(1)	(1)	(1)	25.0	25.6	25.8	39.0	40.1	40.5
56 Pensacola .....	102.6	105.9	106.1	(1)	(1)	(1)	7.9	9.0	9.1	12.4	12.5	12.6
57 Sarasota .....	74.6	78.7	79.9	(1)	(1)	(1)	6.2	7.3	7.6	5.5	6.0	6.0
58 Tallahassee .....	75.9	75.9	76.2	(1)	(1)	(1)	3.4	4.1	4.2	3.2	3.3	3.3
59 Tampa—St. Petersburg .....	592.2	607.0	611.9	(1)	(1)	(1)	39.7	42.5	43.0	78.3	80.9	80.8
60 West Palm Beach—Boca Raton .....	223.5	228.8	233.4	(1)	(1)	(1)	17.1	17.7	17.5	28.8	30.6	31.1

See footnotes at end of table.





















# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

State and areas	Total			Mining			Construction			Manufacturing		
	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P
1 WYOMING .....	215.5	217.5	215.3	37.9	37.4	37.4	17.5	22.7	22.0	9.7	10.1	9.6
2 PUERTO RICO .....	631.1	627.6	635.2	.7	.7	.7	23.0	23.1	23.3	140.8	145.5	146.8
3 Caguas .....	26.7	25.7	26.1	(*)	(*)	(*)	(*)	(*)	(*)	8.8	8.6	8.6
4 Mayaguez .....	36.7	36.7	37.4	(*)	(*)	(*)	(*)	(*)	(*)	13.5	14.0	14.3
5 Ponce .....	46.0	44.1	44.7	(*)	(*)	(*)	2.3	2.6	2.6	10.3	9.5	9.7
6 San Juan .....	325.6	323.1	326.5	(1)	(1)	(1)	16.0	15.4	15.1	32.1	32.5	32.7
7 VIRGIN ISLANDS .....	35.8	34.7	35.5	(2)	(2)	(2)	3.2	2.6	2.9	2.6	2.4	2.4

# ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	
17.1	16.4	16.1	47.9	46.2	45.6	7.6	7.5	7.4	30.7	29.0	28.5	47.1	48.2	48.7	1
13.6	13.5	13.6	105.6	100.3	102.0	28.9	28.9	29.3	83.6	81.3	83.0	234.9	234.2	236.4	2
(*)	(*)	(*)	5.1	4.7	4.9	(*)	(*)	(*)	(*)	(*)	(*)	9.2	8.7	8.9	3
(*)	(*)	(*)	4.9	5.0	5.3	(*)	(*)	(*)	(*)	(*)	(*)	13.0	12.8	12.8	4
(*)	(*)	(*)	7.0	7.0	7.1	(*)	(*)	(*)	7.0	6.6	6.6	16.8	15.6	15.8	5
10.6	11.0	11.0	66.6	63.7	64.8	22.2	22.3	22.6	57.0	56.1	57.1	121.2	122.2	123.2	6
2.2	2.2	2.2	6.9	6.5	6.7	1.5	1.4	1.4	6.0	5.6	5.9	13.4	14.0	14.0	7

<sup>1</sup> Combined with services.  
<sup>2</sup> Combined with construction.  
<sup>3</sup> Area included in Chicago—Gary Standard Consolidated Statistical Area.  
<sup>4</sup> Subarea of Baltimore Standard Metropolitan Statistical Area.  
<sup>5</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.  
<sup>6</sup> Subarea of New York—Northeastern New Jersey.  
<sup>7</sup> Subarea of Rochester Standard Metropolitan Statistical Area.  
<sup>8</sup> Area included in New York and Nassau—Suffolk combined SMSA's.  
<sup>9</sup> Subarea of New York Standard Metropolitan Statistical Area.  
<sup>10</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.  
<sup>11</sup> Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.  
<sup>12</sup> Total includes data for industry divisions not shown separately.  
<sup>13</sup> Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.  
p = preliminary.  
\* Not available.

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Wisconsin. Data for Idaho have been adjusted to March 1983 benchmarks.

SOURCE: Cooperating State agencies listed on inside back cover.







# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
-	<b>TOTAL PRIVATE</b> .....	34.7	35.0	35.3	35.1	35.5	-	-	-	-	-
-	<b>MINING</b> .....	41.6	42.2	43.2	42.9	43.2	-	-	-	-	-
10	<b>METAL MINING</b> .....	36.9	39.2	39.7	40.6	-	-	-	-	-	
101	Iron ores .....	35.4	40.6	38.4	40.3	-	-	-	-	-	
102	Copper ores .....	40.4	41.5	39.0	40.4	-	-	-	-	-	
11, 12	<b>COAL MINING</b> .....	38.4	39.8	40.6	40.2	-	-	-	-	-	
12	<b>BITUMINOUS COAL AND LIGNITE MINING</b> .....	38.3	39.9	40.6	40.3	-	-	-	-	-	
13	<b>OIL AND GAS EXTRACTION</b> .....	43.1	43.3	44.3	43.9	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids .....	41.8	42.1	42.3	42.1	-	-	-	-	-	
138	Oil and gas field services .....	43.7	43.8	45.1	44.7	-	-	-	-	-	
14	<b>NONMETALLIC MINERALS, EXCEPT FUELS</b> .....	42.8	42.6	44.5	43.7	-	-	-	-	-	
142	Crushed and broken stone .....	43.6	43.7	44.8	43.8	-	-	-	-	-	
-	<b>CONSTRUCTION</b> .....	36.1	36.8	37.3	36.2	37.0	-	-	-	-	
16	<b>GENERAL BUILDING CONTRACTORS</b> .....	35.8	36.3	36.7	35.8	-	-	-	-	-	
152	Residential building construction .....	35.0	35.2	35.9	35.0	-	-	-	-	-	
153	Operative builders .....	37.1	37.7	39.5	37.7	-	-	-	-	-	
164	Nonresidential building construction .....	36.4	37.2	37.2	36.3	-	-	-	-	-	
18	<b>HEAVY CONSTRUCTION CONTRACTORS</b> .....	39.1	39.8	40.2	38.9	-	-	-	-	-	
161	Highway and street construction .....	38.5	38.9	41.1	39.0	-	-	-	-	-	
182	Heavy construction, except highway .....	39.3	40.1	39.8	38.9	-	-	-	-	-	
17	<b>SPECIAL TRADE CONTRACTORS</b> .....	35.1	35.8	36.3	35.4	-	-	-	-	-	
171	Plumbing, heating, air conditioning .....	36.3	37.7	38.0	37.2	-	-	-	-	-	
172	Painting, paper hanging, decorating .....	33.6	34.7	35.0	33.5	-	-	-	-	-	
173	Electrical work .....	36.7	38.6	38.3	37.7	-	-	-	-	-	
174	Masonry, stonework, and plastering .....	33.5	32.9	34.4	33.3	-	-	-	-	-	
176	Carpentering and flooring .....	33.4	34.3	34.8	34.2	-	-	-	-	-	
178	Roofing and sheet metal work .....	31.5	31.7	32.7	31.7	-	-	-	-	-	
-	<b>MANUFACTURING</b> .....	39.3	39.7	40.7	40.8	41.2	2.4	2.5	3.4	3.4	
24, 25, 32-39	<b>DURABLE GOODS</b> .....	39.6	40.2	41.3	41.5	41.9	2.2	2.4	3.5	3.5	
20-23, 28-31	<b>NONDURABLE GOODS</b> .....	38.8	39.1	39.9	40.0	40.2	2.6	2.6	3.3	3.2	
	<b>DURABLE GOODS</b>										
24	<b>LUMBER AND WOOD PRODUCTS</b> .....	38.6	38.9	40.5	39.7	40.0	2.4	2.5	3.4	3.0	
241	Logging camps and logging contractors .....	38.2	37.4	40.6	37.0	-	2.8	2.9	3.8	2.6	
242	Sawmills and planing mills .....	38.6	39.2	41.2	40.8	-	2.9	3.1	3.9	3.7	
2421	Sawmills and planing mills, general .....	38.6	39.1	41.4	40.9	-	3.1	3.2	4.0	3.8	
2428	Hardwood dimension and flooring .....	39.5	40.5	40.5	40.7	-	2.5	2.9	3.6	3.6	
243	Millwork, plywood, and structural members .....	39.1	39.6	40.5	40.1	-	2.2	2.5	3.4	3.0	
2431	Millwork .....	39.4	39.4	40.6	40.1	-	1.7	1.7	2.6	2.3	
2434	Wood kitchen cabinets .....	38.2	38.9	39.8	39.8	-	1.6	2.3	3.2	2.9	
2435	Hardwood veneer and plywood .....	37.7	39.0	40.9	40.9	-	2.3	2.4	3.8	3.6	
2438	Softwood veneer and plywood .....	40.1	41.1	41.1	40.1	-	3.2	3.7	4.4	3.9	
244	Wood containers .....	37.7	37.5	39.2	39.0	-	1.5	1.7	2.4	2.0	
245	Wood buildings and mobile homes .....	37.3	37.7	39.2	37.9	-	1.4	1.7	2.3	1.8	
2451	Mobile homes .....	37.3	37.8	39.2	37.3	-	1.4	1.7	2.3	1.6	
249	Miscellaneous wood products .....	38.9	39.6	40.4	40.3	-	2.0	2.0	2.8	2.8	
25	<b>FURNITURE AND FIXTURES</b> .....	38.0	38.7	40.4	40.2	41.4	1.7	1.9	2.8	2.6	
261	Household furniture .....	37.4	38.0	39.9	39.5	-	1.4	1.6	2.5	2.3	
2611	Wood household furniture .....	37.4	37.6	40.1	39.8	-	1.6	1.7	2.6	2.5	
2612	Upholstered household furniture .....	37.1	38.1	39.3	38.9	-	1.0	1.3	2.0	1.8	
2614	Metal household furniture .....	39.5	40.3	41.6	42.0	-	1.6	1.9	3.1	3.2	
2615	Mattresses and bedspreads .....	36.2	36.8	39.3	37.2	-	1.1	1.4	2.0	1.5	
262	Office furniture .....	38.5	39.4	41.9	42.7	-	1.9	2.3	3.4	3.5	
263	Public building and related furniture .....	40.8	41.8	41.1	41.5	-	3.1	3.3	3.4	3.7	
264	Partitions and fixtures .....	38.8	39.3	40.9	40.2	-	2.5	2.6	3.8	3.2	
289	Miscellaneous furniture and fixtures .....	40.1	41.7	41.0	41.2	-	2.1	2.5	2.2	2.1	

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	\$366.12	*356.83	*395.32	\$394.80	\$397.42	\$9.04	\$9.08	\$9.39	\$9.40	*9.44
321	Flat glass	499.27	503.76	562.22	589.61	-	11.72	11.77	12.72	12.93	-
322	Glass and glassware, pressed or blown	391.64	390.10	416.53	417.77	-	9.67	9.68	10.11	10.14	-
3221	Glass containers	408.82	409.82	434.02	432.72	-	10.02	10.02	10.56	10.58	-
3229	Pressed and blown glass, nec	366.51	361.43	394.54	398.82	-	9.14	9.15	9.53	9.61	-
323	Products of purchased glass	342.63	345.91	346.94	349.45	-	8.46	8.52	8.32	8.36	-
324	Cement, hydraulic	529.92	514.86	559.09	583.63	-	12.80	12.65	13.28	13.51	-
325	Structural clay products	289.48	286.63	315.14	315.75	-	7.13	7.13	7.45	7.50	-
326	Pottery and related products	295.93	304.90	310.06	315.61	-	7.53	7.68	7.93	7.99	-
327	Concrete, gypsum, and plaster products	357.41	355.92	400.46	385.22	-	8.76	8.81	9.27	9.15	-
3271	Concrete block and brick	344.67	338.44	349.20	344.89	-	7.96	8.02	7.76	7.77	-
3272	Concrete products, nec	318.61	321.73	349.59	340.30	-	7.79	7.79	8.13	8.20	-
3273	Ready-mixed concrete	375.71	371.20	435.69	409.18	-	9.56	9.72	10.30	9.98	-
329	Misc. nonmetallic mineral products	359.07	363.91	387.32	398.24	-	8.91	9.03	9.20	9.24	-
3291	Abrasive products	330.75	337.26	359.68	377.47	-	8.75	8.76	8.73	8.84	-
3292	Asbestos products	363.53	359.39	406.67	411.59	-	8.91	9.03	9.18	9.27	-
33	<b>PRIMARY METAL INDUSTRIES</b>	440.07	450.41	464.74	472.16	472.58	11.49	11.49	11.28	11.35	11.36
331	Blast furnace and basic steel products	504.53	521.74	509.67	517.12	-	13.71	13.73	12.71	12.80	-
3312	Blast furnaces and steel mills	522.72	542.88	522.85	530.40	-	14.40	14.40	13.17	13.26	-
3317	Steel pipe and tubes	422.87	414.85	438.37	442.02	-	10.76	10.61	10.64	10.60	-
332	Iron and steel foundries	357.17	367.30	409.36	418.50	-	9.55	9.59	9.96	10.06	-
3321	Gray iron foundries	359.83	374.62	426.78	433.63	-	9.57	9.68	10.21	10.30	-
3322	Malleable iron foundries	371.49	381.00	437.93	453.47	-	10.15	10.16	10.76	10.98	-
3325	Steel foundries, nec	351.73	350.55	363.48	371.30	-	9.61	9.50	9.32	9.40	-
333	Primary nonferrous metals	544.66	528.53	565.45	551.74	-	13.22	13.05	13.56	13.49	-
3334	Primary aluminum	556.83	548.65	585.40	557.39	-	14.08	13.82	14.14	14.04	-
335	Nonferrous rolling and drawing	423.46	428.69	466.32	475.89	-	10.43	10.38	10.87	10.94	-
3351	Copper rolling and drawing	359.24	364.97	425.83	432.72	-	8.87	8.88	9.70	9.79	-
3353	Aluminum sheet, plate, and foil	589.95	569.80	605.91	632.70	-	14.08	13.73	14.19	14.25	-
3357	Nonferrous wire drawing and insulating	379.75	395.24	437.68	442.30	-	9.47	9.57	10.25	10.31	-
336	Nonferrous foundries	339.55	347.27	375.01	376.68	-	8.64	8.66	8.95	8.99	-
3361	Aluminum foundries	347.90	355.77	390.08	389.34	-	8.83	8.85	9.20	9.27	-
34	<b>FABRICATED METAL PRODUCTS</b>	350.66	359.30	380.79	385.22	394.57	8.90	8.96	9.22	9.26	9.35
341	Metal cans and shipping containers	495.33	501.34	514.42	523.98	-	11.85	11.88	12.19	12.30	-
3411	Metal cans	520.25	526.01	541.02	551.26	-	12.27	12.29	12.79	12.91	-
342	Cutlery, hand tools, and hardware	329.67	337.45	371.77	378.90	-	8.41	8.50	8.98	9.13	-
3423, 5	Hand and edge tools, and hand saws and blades	313.15	317.58	336.56	337.71	-	8.05	8.04	8.31	8.38	-
3429	Hardware, nec	341.91	351.43	389.06	397.52	-	8.70	9.83	9.33	9.51	-
343	Plumbing and heating, except electric	316.40	318.80	330.86	334.13	-	7.99	7.97	8.21	8.25	-
3432	Plumbing fittings and brass goods	297.98	304.17	320.00	329.23	-	7.68	7.72	8.00	8.03	-
3433	Heating equipment, except electric	320.39	324.41	321.60	319.53	-	7.97	8.01	8.04	8.11	-
344	Fabricated structural metal products	345.63	354.56	356.47	358.28	-	8.75	8.82	8.78	8.76	-
3441	Fabricated structural metal	358.27	367.03	385.11	376.28	-	9.07	9.13	9.37	9.29	-
3442	Metal doors, sash, and trim	269.39	274.62	278.88	281.70	-	6.82	6.90	6.92	6.99	-
3443	Fabricated plate work (boiler shops)	395.21	411.00	403.97	411.76	-	9.93	10.00	9.95	9.97	-
3444	Sheet metal work	346.21	354.32	357.78	360.77	-	8.90	8.97	8.90	8.93	-
3446	Architectural metal work	355.52	362.30	377.94	369.46	-	8.65	8.73	9.02	8.96	-
345	Screw machine products, bolts, etc.	316.42	321.26	364.20	369.34	-	8.24	8.28	8.61	8.67	-
3451	Screw machine products	296.45	294.90	325.56	326.36	-	7.72	7.72	7.96	7.96	-
3452	Bolts, nuts, rivets, and washers	336.88	345.84	403.30	414.65	-	8.75	8.80	9.25	9.36	-
346	Metal forgings and stampings	394.42	410.26	457.10	464.83	-	9.96	10.08	10.68	10.76	-
3462	Iron and steel forgings	421.51	437.10	476.60	483.21	-	10.92	11.01	11.54	11.70	-
3465	Automotive stampings	474.56	504.38	571.59	577.65	-	11.66	11.84	12.59	12.64	-
3469	Metal stampings, nec	311.20	314.81	334.55	339.49	-	8.00	7.99	8.22	8.26	-
347	Metal services, nec	279.17	281.95	298.08	304.88	-	7.14	7.12	7.36	7.40	-
3471	Plating and polishing	275.26	279.79	292.18	297.34	-	7.04	7.03	7.25	7.27	-
3479	Metal coating and allied services	289.30	288.17	314.42	325.08	-	7.38	7.37	7.65	7.74	-
348	Ordnance and accessories, nec	373.18	382.82	404.42	404.33	-	9.26	9.36	9.84	9.79	-
3483	Ammunition, exc. for small arms, nec	347.94	371.47	373.58	379.66	-	8.57	8.72	9.27	9.26	-
349	Misc. fabricated metal products	324.48	337.79	352.15	353.42	-	8.45	8.53	8.61	8.62	-
3494	Valves and pipe fittings	342.76	353.07	374.74	379.66	-	9.02	9.03	9.23	9.26	-
3496	Misc. fabricated wire products	293.58	294.62	310.59	311.71	-	7.29	7.44	7.65	7.64	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	371.45	380.97	400.31	409.08	417.78	9.38	9.43	9.74	9.81	9.90
351	Engines and turbines	461.68	462.87	479.14	504.71	-	11.60	11.63	12.13	12.31	-
3511	Turbines and turbine generator sets	456.34	462.79	460.59	481.39	-	11.24	11.26	11.81	11.77	-
3519	Internal combustion engines, nec	465.31	463.73	489.14	513.73	-	11.81	11.86	12.29	12.53	-
352	Farm and garden machinery	402.87	403.90	423.39	421.20	-	10.33	10.33	10.48	10.40	-
3523	Farm machinery and equipment	417.49	420.20	446.07	440.92	-	10.76	10.83	10.96	10.86	-
353	Construction and related machinery	398.73	411.68	420.65	427.76	-	10.12	10.14	10.49	10.51	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>a</sup>
32	<b>STONE, CLAY, AND GLASS PRODUCTS</b>	40.5	40.4	42.1	42.0	42.1	3.5	3.2	4.7	4.5	-
321	Flat glass	42.6	42.8	44.2	45.6	-	3.5	3.7	5.2	6.4	-
322	Glass and glassware, pressed or blown	40.5	40.3	41.2	41.2	-	3.9	3.6	4.3	4.3	-
3221	Glass containers	40.8	40.9	41.1	40.9	-	4.9	4.5	4.9	4.8	-
3229	Pressed and blown glass, nec	40.1	39.5	41.4	41.5	-	2.4	2.4	3.5	3.6	-
323	Products of purchased glass	40.5	40.6	41.7	41.8	-	2.6	2.5	4.3	4.4	-
324	Cement, hydraulic	41.4	40.7	42.1	43.2	-	2.3	2.2	3.0	2.9	-
325	Structural clay products	40.6	40.2	42.3	42.1	-	2.7	2.6	4.0	3.9	-
325	Pottery and related products	39.3	39.7	39.1	39.5	-	1.9	1.7	2.2	2.6	-
327	Concrete, gypsum, and plaster products	40.8	40.4	43.2	42.1	-	4.7	4.2	6.4	5.6	-
3271	Concrete block and brick	43.3	42.2	45.0	43.1	-	5.4	4.4	7.1	5.9	-
3272	Concrete products, nec	40.9	41.3	43.0	41.5	-	3.8	3.6	5.3	4.7	-
3273	Ready-mixed concrete	39.3	38.2	42.3	41.0	-	4.6	3.9	6.6	5.4	-
329	Misc. nonmetallic mineral products	40.3	40.3	42.1	43.1	-	2.5	2.4	3.8	4.0	-
3291	Abrasive products	37.8	38.5	41.2	42.7	-	1.3	1.6	2.7	3.1	-
3292	Asbestos products	40.6	39.8	44.3	44.4	-	2.7	3.1	4.9	4.3	-
33	<b>PRIMARY METAL INDUSTRIES</b>	38.3	39.2	41.2	41.6	41.6	1.8	2.0	3.6	3.7	-
331	Blast furnace and basic steel products	36.8	38.0	40.1	40.4	-	1.3	1.3	2.8	2.8	-
3312	Blast furnaces and steel mills	36.3	37.7	39.7	40.0	-	1.2	1.2	2.7	2.7	-
3317	Steel pipe and tubes	39.3	39.1	41.2	41.7	-	2.7	2.1	3.1	3.1	-
332	Iron and steel foundries	37.4	38.3	41.1	41.6	-	1.3	1.5	3.5	3.8	-
3321	Gray iron foundries	37.6	38.7	41.8	42.1	-	1.4	1.6	4.1	4.2	-
3322	Malleable iron foundries	36.6	37.5	40.7	41.3	-	1.4	1.5	3.2	3.7	-
3325	Steel foundries, nec	36.6	36.9	39.0	39.5	-	1.1	1.3	1.9	2.3	-
333	Primary nonferrous metals	41.2	40.5	41.7	40.9	-	2.9	2.7	3.4	3.4	-
3334	Primary aluminum	40.4	39.7	41.4	39.7	-	2.8	2.9	3.8	3.7	-
335	Nonferrous rolling and drawing	40.6	41.3	42.9	43.5	-	2.8	3.0	5.1	5.3	-
3351	Copper rolling and drawing	40.5	41.1	43.9	44.2	-	2.0	2.1	5.2	5.2	-
3353	Aluminum sheet, plate and foil	41.9	41.5	42.7	44.4	-	4.9	4.3	5.9	7.4	-
3357	Nonferrous wire drawing and insulating	40.1	41.3	42.7	42.9	-	2.2	2.7	5.0	5.0	-
336	Nonferrous foundries	39.3	40.1	41.9	41.9	-	2.1	2.5	3.9	3.9	-
3361	Aluminum foundries	39.4	40.2	42.4	42.0	-	2.1	2.5	4.1	4.0	-
34	<b>FABRICATED METAL PRODUCTS</b>	39.4	40.1	41.3	41.6	42.2	1.9	2.2	3.5	3.5	-
341	Metal cans and shipping containers	41.8	42.2	42.2	42.6	-	3.6	3.9	4.9	5.0	-
3411	Metal cans	42.4	42.8	42.3	42.7	-	3.8	4.1	5.1	5.2	-
342	Cutlery, hand tools, and hardware	39.2	39.7	41.4	41.5	-	1.3	1.5	3.2	3.2	-
3423, 5	Hand and edge tools, and hand saws and blades	38.9	39.5	40.5	40.3	-	1.5	1.3	2.3	2.1	-
3429	Hardware, nec	39.3	39.8	41.7	41.8	-	1.4	1.6	3.8	3.9	-
343	Plumbing and heating, except electric	39.6	40.0	40.3	40.5	-	1.6	1.6	2.4	2.7	-
3432	Plumbing fittings and brass goods	38.8	39.4	40.0	41.0	-	.9	1.4	2.5	2.9	-
3433	Heating equipment, except electric	40.2	40.5	40.0	39.4	-	2.3	1.8	1.7	2.0	-
344	Fabricated structural metal products	39.5	40.2	40.6	40.9	-	2.2	2.4	3.1	3.0	-
3441	Fabricated structural metal	39.5	40.2	41.1	40.9	-	2.3	2.5	3.4	2.8	-
3442	Metal doors, sash, and trim	39.5	39.8	40.3	40.3	-	2.2	2.1	2.8	2.8	-
3443	Fabricated plate work (boiler shops)	39.8	41.1	40.6	41.3	-	2.3	2.9	2.8	2.9	-
3444	Sheet metal work	38.9	39.5	40.2	40.4	-	2.0	2.0	3.3	3.2	-
3446	Architectural metal work	41.1	41.5	41.9	41.7	-	2.7	3.1	2.8	2.3	-
345	Screw machine products, bolts, etc.	38.4	38.8	42.3	42.6	-	1.2	1.5	4.0	4.3	-
3451	Screw machine products	38.4	38.2	40.9	41.0	-	1.3	1.5	3.4	3.5	-
3452	Bolts, nuts, rivets, and washers	38.5	39.3	43.6	44.3	-	1.1	1.5	4.6	5.1	-
346	Metal forgings and stampings	39.6	40.7	42.8	43.2	-	1.9	2.5	4.8	5.0	-
3462	Iron and steel forgings	38.6	39.7	41.3	41.3	-	1.5	2.0	3.6	3.7	-
3465	Automotive stampings	40.7	42.6	45.4	45.7	-	2.2	3.3	6.7	6.9	-
3469	Metal stampings, nec	38.9	39.4	40.7	41.1	-	1.7	2.0	3.3	3.4	-
347	Metal services, nec	39.1	39.6	40.5	41.2	-	2.4	2.6	3.5	3.7	-
3471	Plating and polishing	39.1	39.8	40.3	40.9	-	2.3	2.6	3.2	3.4	-
3479	Metal coating and allied services	39.2	39.1	41.1	42.0	-	2.5	2.5	4.1	4.5	-
348	Ordnance and accessories, nec	40.3	40.9	41.1	41.3	-	2.3	2.3	2.7	2.6	-
3483	Ammunition, exc. for small arms, nec	40.6	42.6	40.3	41.0	-	1.8	1.7	1.6	1.7	-
349	Misc. fabricated metal products	38.4	39.6	40.9	41.0	-	1.4	1.8	2.8	2.8	-
3494	Valves and pipe fittings	38.0	39.1	40.6	41.0	-	1.2	1.8	2.8	2.9	-
3496	Misc. fabricated wire products	38.9	39.6	40.6	40.8	-	1.4	1.5	2.8	2.6	-
35	<b>MACHINERY, EXCEPT ELECTRICAL</b>	39.6	40.4	41.1	41.7	42.2	2.0	2.4	3.2	3.4	-
351	Engines and turbines	39.8	39.8	39.5	41.0	-	1.9	2.1	3.3	3.9	-
3511	Turbines and turbine generator sets	40.6	41.1	39.0	40.9	-	3.2	3.5	3.1	3.7	-
3519	Internal combustion engines, nec	39.4	39.4	39.8	41.0	-	1.2	1.3	3.4	4.0	-
352	Farm and garden machinery	39.0	39.1	40.4	40.5	-	1.2	1.2	2.5	2.2	-
3523	Farm machinery and equipment	38.8	38.8	40.7	40.6	-	1.2	1.2	2.7	2.3	-
363	Construction and related machinery	39.4	40.6	40.1	40.7	-	1.7	2.4	2.3	2.6	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3531	Construction machinery	\$405.73	\$420.97	\$456.74	\$459.42	-	\$10.43	\$10.42	\$11.39	\$11.40	-
3532	Mining machinery	423.55	424.83	429.00	436.30	-	10.75	10.81	11.00	10.99	-
3533	Oil field machinery	429.45	443.31	428.57	439.25	-	10.50	10.53	10.53	10.61	-
3535	Conveyers and conveying equipment	336.92	344.66	354.76	365.49	-	8.82	8.77	9.05	8.98	-
3537	Industrial trucks and tractors	330.13	348.23	378.68	375.71	-	9.02	9.14	9.42	9.44	-
354	Metalworking machinery	379.42	393.41	410.02	419.89	-	9.63	9.69	9.88	9.95	-
3541	Machine tools, metal cutting types	368.02	385.61	397.39	409.82	-	9.84	9.99	9.91	10.02	-
3542	Machine tools, metal forming types	385.92	403.17	425.19	430.26	-	10.05	10.13	10.71	10.65	-
3544	Special dies, tools, jigs, and fixtures	415.55	430.12	445.62	456.43	-	10.21	10.29	10.51	10.59	-
3545	Machine tool accessories	331.36	340.56	373.19	384.79	-	8.72	8.71	9.08	9.14	-
3546	Power driven hand tools	292.89	305.72	317.79	324.12	-	7.51	7.53	7.77	7.81	-
355	Special industry machinery	366.83	373.70	390.45	399.07	-	9.24	9.25	9.50	9.57	-
3551	Food products machinery	377.45	390.10	401.94	409.36	-	9.58	9.68	9.90	9.96	-
3552	Textile machinery	277.33	282.75	313.92	314.00	-	7.26	7.25	7.51	7.53	-
3555	Printing trades machinery	395.52	390.05	399.84	413.42	-	9.79	9.56	9.80	9.82	-
356	General industrial machinery	367.70	377.34	395.24	406.69	-	9.38	9.41	9.57	9.66	-
3561	Pumps and pumping equipment	373.25	388.48	410.66	427.91	-	9.72	9.86	10.09	10.14	-
3562	Ball and roller bearings	361.67	373.75	405.92	418.81	-	8.93	8.92	9.44	9.65	-
3563	Air and gas compressors	421.27	411.46	410.66	417.25	-	10.30	10.21	10.09	10.03	-
3564	Blowers and fans	349.44	358.75	349.80	362.25	-	8.78	8.75	8.68	8.75	-
3566	Speed changers, drives, and gears	365.42	371.49	412.09	419.23	-	9.93	9.88	10.15	10.25	-
3568	Power transmission equipment, nec	341.69	349.48	397.82	408.24	-	9.21	9.27	9.54	9.72	-
357	Office and computing machines	336.98	341.96	368.38	375.38	-	8.12	8.24	8.75	8.75	-
3573	Electronic computing equipment	335.69	341.52	368.83	378.01	-	8.05	8.19	8.74	8.73	-
358	Refrigeration and service machinery	341.34	360.33	383.05	390.04	-	8.73	8.81	9.32	9.49	-
3585	Refrigeration and heating equipment	353.98	374.01	396.20	404.01	-	9.03	9.10	9.64	9.83	-
359	Misc. machinery, except electrical	353.33	362.87	392.37	396.76	-	9.13	9.21	9.57	9.63	-
3592	Carburetors, pistons, rings, valves	378.13	393.58	468.57	467.17	-	10.03	10.17	11.13	11.23	-
3599	Machinery, except electrical, nec	349.20	358.27	379.44	385.63	-	9.00	9.07	9.30	9.36	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT</b>	334.62	342.95	358.80	363.08	\$370.82	8.45	8.51	8.73	8.77	*8.85
361	Electric distributing equipment	327.71	338.92	343.85	356.10	-	8.36	8.41	8.49	8.56	-
3612	Transformers	328.25	335.72	354.80	370.23	-	8.31	8.31	8.57	8.61	-
3613	Switchgear and switchboard apparatus	327.60	340.90	335.12	345.91	-	8.40	8.48	8.42	8.52	-
362	Electrical industrial apparatus	328.10	337.39	358.35	368.74	-	8.50	8.52	8.87	8.95	-
3621	Motors and generators	332.54	338.85	364.08	374.05	-	8.44	8.45	8.88	8.97	-
3622	Industrial controls	315.63	335.07	350.21	355.42	-	8.35	8.44	8.69	8.69	-
363	Household appliances	322.69	325.48	355.10	361.79	-	8.19	8.24	8.64	8.76	-
3632	Household refrigerators and freezers	372.84	382.14	408.29	447.72	-	9.56	9.65	9.91	10.14	-
3633	Household laundry equipment	382.08	397.37	405.02	419.63	-	9.95	10.06	10.05	10.21	-
3634	Electric housewares and fans	269.94	258.72	271.32	270.68	-	6.60	6.60	6.65	6.70	-
364	Electric lighting and wiring equipment	312.05	314.79	335.38	339.07	-	7.90	7.85	8.20	8.27	-
3641	Electric lamps	373.19	360.12	380.14	393.34	-	9.08	9.14	9.34	9.41	-
3643	Current-carrying wiring devices	285.61	295.60	312.58	315.34	-	7.38	7.39	7.68	7.71	-
3644	Noncurrent-carrying wiring devices	315.83	326.82	343.94	347.99	-	8.14	8.15	8.43	8.55	-
3645	Residential lighting fixtures	242.96	247.23	249.89	254.70	-	6.12	6.15	6.17	6.32	-
365	Radio and TV receiving equipment	296.04	304.17	336.57	352.78	-	7.63	7.88	8.29	8.46	-
3651	Radio and TV receiving sets	303.41	320.35	353.83	366.59	-	7.84	8.11	8.63	8.77	-
366	Communication equipment	403.19	415.07	424.97	426.22	-	9.98	10.05	10.34	10.32	-
3661	Telephone and telegraph apparatus	404.54	418.54	423.43	418.08	-	10.32	10.36	10.13	10.05	-
3662	Radio and TV communication equipment	402.21	412.83	475.32	430.95	-	9.81	9.90	10.45	10.46	-
367	Electronic components and accessories	293.83	301.44	312.36	314.64	-	7.42	7.48	7.60	7.60	-
3671-3	Electronic tubes	377.17	392.29	403.91	408.51	-	9.29	9.43	9.78	9.82	-
3674	Semiconductors and related devices	334.00	340.25	365.75	370.97	-	8.35	8.36	8.75	8.77	-
3679	Electronic components, nec	276.91	284.61	289.11	288.40	-	6.94	7.01	7.01	7.00	-
369	Misc. electrical equipment and supplies	357.70	367.13	408.53	408.31	-	9.01	9.11	9.59	9.63	-
3691	Storage batteries	312.97	384.34	458.88	463.25	-	9.72	9.73	10.22	10.41	-
3694	Engine electrical equipment	358.63	382.40	429.41	421.42	-	9.38	9.56	10.08	10.01	-
37	<b>TRANSPORTATION EQUIPMENT</b>	457.21	474.35	506.09	513.60	522.29	11.34	11.43	11.88	12.00	12.09
371	Motor vehicles and equipment	476.42	484.38	546.84	550.81	-	11.62	11.70	12.40	12.49	-
3711	Motor vehicles and car bodies	544.54	533.48	605.62	606.87	-	13.09	12.98	13.64	13.73	-
3713	Truck and bus bodies	325.93	327.86	377.08	377.48	-	8.51	8.45	9.38	9.39	-
3714	Motor vehicle parts and accessories	444.31	461.74	523.48	532.08	-	10.89	11.02	11.79	11.93	-
3715	Truck trailers	325.60	347.36	357.68	368.05	-	8.00	8.37	8.75	8.89	-
372	Aircraft and parts	487.39	497.12	496.80	505.36	-	11.66	11.78	12.00	12.00	-
3721	Aircraft	513.36	521.25	519.33	-	-	12.43	12.50	12.76	-	-
3724	Aircraft engines and engine parts	471.86	484.88	497.28	503.79	-	11.37	11.60	11.84	11.91	-
3728	Aircraft equipment, nec	454.94	464.15	458.05	465.38	-	10.58	10.67	10.88	10.95	-
373	Ship and boat building and repairing	419.22	421.04	398.19	414.28	-	10.20	10.17	9.93	10.28	-
3731	Shipbuilding and repairing	436.19	446.01	428.53	-	-	10.70	10.67	10.66	-	-
3732	Boat building and repairing	302.23	314.82	299.41	302.51	-	7.85	7.93	7.58	7.62	-
374	Railroad equipment	445.79	453.57	-	-	-	11.46	11.66	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>MACHINERY, EXCEPT ELECTRICAL—Continued</b>											
3631	Construction machinery .....	38.9	40.4	40.1	40.3	-	1.3	1.9	1.8	1.6	-
3632	Mining machinery .....	39.4	39.3	39.0	39.7	-	1.5	1.9	1.5	1.7	-
3633	Oil field machinery .....	40.9	42.1	40.7	41.4	-	2.1	3.3	2.8	3.4	-
3635	Conveyers and conveying equipment .....	38.2	39.3	39.2	40.7	-	1.4	1.7	2.4	3.2	-
3637	Industrial trucks and tractors .....	36.6	38.1	40.2	39.8	-	1.3	1.7	3.2	3.0	-
364	Metalworking machinery .....	39.4	40.6	41.5	42.2	-	2.4	2.9	3.9	4.2	-
3641	Machine tools, metal cutting types .....	37.4	38.6	40.1	40.9	-	1.2	1.8	2.1	2.6	-
3642	Machine tools, metal forming types .....	38.4	39.8	39.7	40.4	-	1.5	1.9	3.8	4.1	-
3644	Special dies, tools, jigs, and fixtures .....	40.7	41.8	42.4	43.1	-	3.6	4.1	4.8	5.1	-
3645	Machine tool accessories .....	38.0	39.1	41.1	42.1	-	1.2	1.5	3.3	3.9	-
3646	Power driven hand tools .....	39.0	40.6	40.9	41.5	-	2.0	2.2	3.1	2.9	-
365	Special industry machinery .....	39.7	40.4	41.1	41.7	-	2.1	2.3	3.2	3.4	-
3651	Food products machinery .....	39.4	40.3	40.6	41.1	-	2.1	2.3	2.7	2.5	-
3652	Textile machinery .....	38.2	39.0	41.8	41.7	-	1.6	1.6	3.3	3.0	-
3655	Printing trades machinery .....	40.4	40.8	40.8	42.1	-	2.6	2.8	3.1	3.5	-
366	General industrial machinery .....	39.2	40.1	41.3	42.1	-	1.7	2.1	3.1	3.5	-
3661	Pumps and pumping equipment .....	38.4	39.4	40.7	42.2	-	1.2	1.7	2.7	3.3	-
3662	Ball and roller bearings .....	40.5	41.9	43.0	43.4	-	2.3	3.1	4.0	4.5	-
3663	Air and gas compressors .....	40.9	40.3	40.7	41.6	-	2.6	2.9	2.6	3.4	-
3664	Blowers and fans .....	39.8	41.0	40.3	41.4	-	1.8	2.1	2.6	3.0	-
3666	Speed changers, drives, and gears .....	36.8	37.6	40.6	40.9	-	.5	.9	2.9	3.6	-
3668	Power transmission equipment, nec .....	37.1	37.7	41.7	42.0	-	.7	1.0	3.5	3.5	-
367	Office and computing machines .....	41.5	41.5	42.1	42.9	-	2.4	2.8	3.3	3.6	-
3673	Electronic computing equipment .....	41.7	41.7	42.2	43.3	-	2.7	3.0	3.4	3.8	-
368	Refrigeration and service machinery .....	39.1	40.9	41.1	41.1	-	1.6	2.2	3.0	3.2	-
3685	Refrigeration and heating equipment .....	39.2	41.1	41.1	41.1	-	1.5	2.2	3.1	3.4	-
369	Misc. machinery, except electrical .....	38.7	39.4	41.0	41.2	-	2.0	2.3	3.3	3.5	-
3692	Carburetors, pistons, rings, valves .....	37.7	38.7	42.1	41.6	-	.7	1.0	3.9	3.4	-
3699	Machinery, except electrical, nec .....	38.8	39.5	40.8	41.2	-	2.2	2.4	3.2	3.5	-
36	<b>ELECTRIC AND ELECTRONIC EQUIPMENT .....</b>	<b>39.6</b>	<b>40.3</b>	<b>41.1</b>	<b>41.4</b>	<b>41.9</b>	<b>1.9</b>	<b>2.2</b>	<b>3.1</b>	<b>3.3</b>	<b>-</b>
361	Electric distributing equipment .....	39.2	40.3	40.5	41.6	-	1.8	2.3	2.3	2.8	-
3612	Transformers .....	39.5	40.4	41.4	43.0	-	1.8	2.3	2.8	3.1	-
3613	Switchgear and switchboard apparatus .....	39.0	40.2	39.8	40.6	-	1.8	2.2	2.0	2.6	-
362	Electrical industrial apparatus .....	38.6	39.6	40.4	41.2	-	1.4	1.8	2.8	3.3	-
3621	Motors and generators .....	39.4	40.1	41.0	41.7	-	1.5	2.0	3.2	3.7	-
3622	Industrial controls .....	37.8	39.7	40.3	40.9	-	1.2	1.5	2.6	2.9	-
363	Household appliances .....	39.4	39.5	41.1	41.3	-	2.0	1.9	2.8	3.1	-
3632	Household refrigerators and freezers .....	39.0	39.6	41.2	43.3	-	1.0	1.3	1.9	3.8	-
3633	Household laundry equipment .....	38.4	39.5	40.3	41.1	-	.6	1.4	1.2	2.1	-
3634	Electric housewares and fans .....	40.9	39.2	40.8	40.4	-	3.3	2.2	3.6	2.9	-
364	Electric lighting and wiring equipment .....	39.5	40.1	40.9	41.0	-	1.8	2.1	3.2	3.4	-
3641	Electric lamps .....	41.1	39.4	40.7	41.8	-	1.6	2.1	2.4	3.3	-
3643	Current-carrying wiring devices .....	38.7	40.0	40.7	40.9	-	1.8	2.1	3.6	3.7	-
3644	Noncurrent-carrying wiring devices .....	38.8	40.1	40.8	40.7	-	1.2	1.6	2.4	2.3	-
3645	Residential lighting fixtures .....	39.7	40.2	40.5	40.3	-	2.1	2.1	2.5	2.7	-
365	Radio and TV receiving equipment .....	38.8	38.6	40.6	41.7	-	1.4	1.2	2.9	3.3	-
3651	Radio and TV receiving sets .....	38.7	39.5	41.0	41.8	-	1.0	1.3	3.1	3.4	-
366	Communication equipment .....	40.4	41.3	41.1	41.3	-	2.2	2.5	2.7	2.9	-
3661	Telephone and telegraph apparatus .....	39.2	40.4	41.8	41.6	-	1.7	2.1	2.9	3.3	-
3662	Radio and TV communication equipment .....	41.0	41.7	40.7	41.2	-	2.4	2.7	2.6	2.6	-
367	Electronic components and accessories .....	39.6	40.3	41.1	41.4	-	2.0	2.4	3.3	3.4	-
3671-3	Electronic tubes .....	40.6	41.6	41.3	41.6	-	1.9	2.2	2.3	2.5	-
3674	Semiconductors and related devices .....	40.0	40.7	41.8	42.3	-	2.4	2.7	3.8	4.1	-
3679	Electronic components, nec .....	39.9	40.6	41.1	41.2	-	2.0	2.6	3.4	3.5	-
369	Misc. electrical equipment and supplies .....	39.7	40.3	42.6	42.4	-	1.7	2.0	4.2	4.1	-
3691	Storage batteries .....	39.4	39.5	44.9	44.5	-	2.2	2.2	4.7	4.9	-
3694	Engine electrical equipment .....	39.3	40.0	42.6	42.1	-	1.5	1.7	4.8	4.3	-
37	<b>TRANSPORTATION EQUIPMENT .....</b>	<b>41.2</b>	<b>41.5</b>	<b>42.6</b>	<b>42.8</b>	<b>43.2</b>	<b>3.1</b>	<b>3.1</b>	<b>4.5</b>	<b>4.8</b>	<b>-</b>
371	Motor vehicles and equipment .....	41.0	41.4	44.1	44.1	-	2.6	2.6	5.8	6.0	-
3711	Motor vehicles and car bodies .....	41.6	41.1	44.4	44.2	-	3.3	2.7	6.3	6.6	-
3713	Truck and bus bodies .....	38.3	38.8	40.2	40.2	-	.8	1.2	2.9	2.6	-
3714	Motor vehicle parts and accessories .....	40.8	41.9	44.4	44.6	-	2.1	2.6	5.7	6.0	-
3715	Truck trailers .....	40.7	41.5	40.9	41.4	-	1.9	3.2	3.3	3.4	-
372	Aircraft and parts .....	41.8	42.2	41.4	41.8	-	3.6	3.9	3.5	3.7	-
3721	Aircraft .....	41.3	41.7	40.7	-	-	2.8	3.1	2.6	-	-
3724	Aircraft engines and engine parts .....	41.5	41.8	42.0	42.3	-	4.4	4.5	4.6	4.9	-
3728	Aircraft equipment, nec .....	43.0	43.5	42.1	42.5	-	4.1	4.6	3.8	4.1	-
373	Ship and boat building and repairing .....	41.1	41.4	40.1	40.3	-	3.6	3.3	2.5	3.0	-
3731	Ship building and repairing .....	41.7	41.8	40.2	-	-	4.2	3.7	2.7	-	-
3732	Boat building and repairing .....	38.5	39.7	39.5	39.7	-	1.0	1.6	2.0	1.9	-
374	Railroad equipment .....	38.9	38.9	-	-	-	1.4	1.9	-	-	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
378	Guided missiles, space vehicles, parts .....	\$482.77	\$490.92	\$495.33	\$496.65	-	\$11.44	\$11.47	\$11.85	\$11.91	-
3781	Guided missiles and space vehicles .....	501.07	509.82	509.04	508.67	-	11.68	11.72	12.12	12.14	-
379	Miscellaneous transportation equipment .....	370.88	385.92	403.60	404.80	-	9.89	10.05	9.99	10.12	-
3792	Travel trailers and campers .....	312.34	305.10	338.30	333.70	-	8.05	8.05	8.50	8.69	-
38	<b>INSTRUMENTS AND RELATED PRODUCTS .....</b>	331.57	338.55	350.02	352.15	\$364.00	8.31	8.38	8.60	8.61	\$8.75
381	Engineering and scientific instruments .....	355.25	364.62	376.24	378.81	-	8.75	8.85	9.11	9.15	-
382	Measuring and controlling devices .....	334.03	338.04	349.21	345.02	-	8.33	8.43	8.58	8.54	-
3822	Environmental controls .....	303.03	310.02	328.41	322.81	-	7.81	7.77	8.01	8.05	-
3823	Process control instruments .....	337.37	351.53	339.23	352.15	-	8.33	8.43	8.61	8.61	-
3826	Instruments to measure electricity .....	352.55	346.75	367.85	-	-	8.77	8.96	8.95	-	-
383	Optical instruments and lenses .....	358.57	370.77	399.83	408.97	-	8.81	8.87	9.32	9.38	-
384	Medical instruments and supplies .....	284.25	291.20	300.75	306.88	-	7.16	7.19	7.50	7.54	-
3841	Surgical and medical instruments .....	286.63	291.10	300.49	304.56	-	7.13	7.17	7.50	7.52	-
3842	Surgical appliances and supplies .....	285.84	294.98	301.79	310.02	-	7.20	7.23	7.47	7.59	-
385	Ophthalmic goods .....	237.78	243.13	253.99	260.98	-	6.16	6.25	6.43	6.46	-
386	Photographic equipment and supplies .....	426.53	439.42	463.68	469.13	-	10.69	10.77	11.20	11.25	-
387	Watches, clocks, and watchcases .....	244.33	245.78	253.04	256.16	-	6.17	6.16	6.39	6.42	-
39	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES .....</b>	256.50	260.13	272.63	272.34	278.88	6.56	6.67	6.85	6.86	6.92
391	Jewelry, silverware, and plated ware .....	278.00	275.26	292.79	291.85	-	6.95	7.04	7.45	7.37	-
3911	Jewelry, precious metal .....	274.03	271.21	288.28	290.72	-	6.92	6.99	7.43	7.35	-
393	Musical instruments .....	261.74	264.40	269.33	267.85	-	6.56	6.61	6.65	6.63	-
394	Toys and sporting goods .....	235.90	239.09	251.47	249.82	-	6.08	6.21	6.24	6.23	-
3942, 4	Dolls, games, toys, and children's vehicles .....	221.95	214.60	232.20	232.80	-	5.75	5.80	5.83	5.82	-
3949	Sporting and athletic goods, nec .....	249.85	257.00	271.47	267.07	-	6.39	6.49	6.67	6.66	-
396	Pens, pencils, office and art supplies .....	274.33	279.76	289.07	289.88	-	6.91	6.84	7.12	7.14	-
396	Costume jewelry and notions .....	214.68	211.86	213.94	213.90	-	5.62	5.69	5.69	5.75	-
3961	Costume jewelry .....	201.02	191.88	184.05	183.18	-	5.29	5.33	5.17	5.16	-
399	Miscellaneous manufactures .....	274.17	280.53	301.55	302.00	-	7.03	7.12	7.52	7.55	-
3993	Signs and advertising displays .....	297.94	306.00	331.70	329.67	-	7.62	7.65	8.19	8.12	-
<b>NONDURABLE GOODS</b>											
20	<b>FOOD AND KINDRED PRODUCTS .....</b>	317.60	319.18	323.57	327.98	329.18	8.00	8.06	8.13	8.22	8.25
201	Meat products .....	302.44	295.21	287.10	290.94	-	7.58	7.55	7.25	7.31	-
2011	Meat packing plants .....	382.59	367.79	344.44	351.09	-	8.96	8.82	8.34	8.30	-
2013	Sausages and other prepared meats .....	366.51	359.96	357.60	360.08	-	9.14	9.09	8.94	9.07	-
2018	Poultry dressing plants .....	191.36	189.53	203.30	202.54	-	5.20	5.25	5.35	5.43	-
202	Dairy products .....	339.46	339.05	351.14	359.51	-	8.32	8.31	8.67	8.70	-
2022	Cheese, natural and processed .....	310.08	307.32	323.93	320.62	-	7.89	7.88	8.18	8.20	-
2028	Fluid milk .....	355.68	356.93	368.58	382.93	-	8.55	8.58	8.86	9.01	-
203	Preserved fruits and vegetables .....	256.70	280.09	286.10	284.75	-	7.00	7.20	7.28	7.32	-
2032	Canned specialties .....	333.63	362.90	371.04	360.82	-	8.32	8.42	8.51	8.47	-
2033	Canned fruits and vegetables .....	252.05	285.71	280.35	273.70	-	6.86	7.27	7.17	7.26	-
2037	Frozen fruits and vegetables .....	250.99	263.74	265.30	271.91	-	6.64	6.66	7.00	6.99	-
204	Grain mill products .....	403.12	403.62	420.30	421.74	-	9.31	9.30	9.64	9.74	-
2041	Flour and other grain mill products .....	421.47	420.22	467.65	460.29	-	9.45	9.38	9.95	10.05	-
2048	*Prepared feeds, nec .....	320.42	327.80	325.69	332.67	-	7.40	7.45	7.47	7.63	-
205	Bakery products .....	332.26	330.81	347.76	351.89	-	8.63	8.66	9.08	9.14	-
2051	Bread, cake, and related products .....	329.12	325.01	343.82	346.18	-	8.73	8.69	9.12	9.11	-
2052	Cookies and crackers .....	343.56	344.92	357.01	367.82	-	8.40	8.58	8.97	9.22	-
206	Sugar and confectionery products .....	316.88	312.98	319.30	322.87	-	7.71	7.69	7.75	7.78	-
2061-3	Cane and beet sugar .....	390.89	395.66	371.94	387.62	-	8.61	8.62	8.67	8.97	-
2065	Confectionery products .....	259.20	253.55	273.76	275.81	-	6.75	6.69	6.81	6.81	-
207	Fats and oils .....	374.98	380.35	391.27	390.26	-	8.37	8.49	8.95	8.91	-
208	Beverages .....	406.80	406.62	420.95	425.73	-	10.17	10.04	10.55	10.67	-
2082	Malt beverages .....	576.55	564.56	599.41	619.83	-	13.63	13.41	14.34	14.55	-
2088	Bottled and canned soft drinks .....	285.72	298.59	304.17	304.04	-	7.46	7.54	7.88	7.98	-
209	Misc. foods and kindred products .....	257.52	262.04	273.75	280.10	-	6.96	7.14	7.30	7.41	-
21	<b>TOBACCO MANUFACTURES .....</b>	386.08	364.98	370.36	412.23	377.88	10.16	9.63	9.67	10.57	10.41
211	Cigarettes .....	458.71	445.48	459.12	504.02	-	12.27	12.04	12.51	12.76	-
22	<b>TEXTILE MILL PRODUCTS .....</b>	231.47	236.77	256.46	256.66	260.19	5.92	6.04	6.24	6.26	6.30
221	Weaving mills, cotton .....	245.20	253.20	270.63	271.00	-	6.13	6.33	6.49	6.53	-
222	Weaving mills, synthetics .....	247.04	253.59	278.14	276.30	-	6.27	6.42	6.67	6.69	-
223	Weaving and finishing mills, wool .....	243.04	248.29	269.78	279.36	-	6.28	6.27	6.58	6.62	-
224	Narrow fabric mills .....	216.03	226.12	234.82	239.80	-	5.67	5.71	5.90	5.98	-
225	Knitting mills .....	206.22	205.34	226.16	227.70	-	5.47	5.52	5.74	5.75	-

See footnotes at end of table.

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983	Dec. 1983
<b>TRANSPORTATION EQUIPMENT—Continued</b>											
376	Guided missiles, space vehicles, parts .....	42.2	42.8	41.8	41.7	-	3.9	3.3	3.8	3.4	-
3761	Guided missiles and space vehicles .....	42.9	43.5	42.0	41.9	-	4.2	4.1	4.0	3.5	-
379	Miscellaneous transportation equipment .....	37.5	38.4	40.4	40.0	-	3.5	4.1	3.0	2.6	-
3792	Travel trailers and campers .....	38.8	37.9	39.8	38.4	-	1.7	1.5	2.5	1.6	-
<b>INSTRUMENTS AND RELATED PRODUCTS</b>											
38	Engineering and scientific instruments .....	39.9	40.4	40.7	40.9	41.6	1.7	1.8	2.2	2.3	-
381	Measuring and controlling devices .....	40.6	41.2	41.3	41.4	-	2.2	2.3	2.6	2.5	-
382	Environmental controls .....	40.1	40.1	40.7	40.4	-	1.1	1.4	2.0	1.9	-
3822	Process control instruments .....	38.8	39.9	41.0	40.1	-	1.1	1.5	2.7	2.1	-
3823	Instruments to measure electricity .....	40.5	41.7	39.4	40.9	-	1.1	1.4	1.4	1.4	-
3825	Optical instruments and lenses .....	40.2	38.7	41.1	-	-	.8	1.0	1.7	-	-
383	Medical instruments and supplies .....	40.7	41.8	42.9	43.6	-	1.9	2.2	2.9	3.3	-
384	Surgical and medical instruments .....	39.7	40.5	40.1	40.7	-	2.0	2.4	2.4	2.5	-
3841	Surgical appliances and supplies .....	40.2	40.6	39.8	40.5	-	2.0	2.4	2.3	2.3	-
3842	Ophthalmic goods .....	39.7	40.8	40.4	40.9	-	2.2	2.6	2.5	2.6	-
385	Photographic equipment and supplies .....	38.6	38.9	39.5	40.4	-	1.3	1.3	1.4	1.8	-
386	Watches, clocks, and watchcases .....	39.9	40.8	41.4	41.7	-	2.2	1.5	2.4	2.5	-
387		39.6	39.9	39.6	39.9	-	2.5	2.4	2.8	2.9	-
<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>											
39	Jewelry, silverware, and plated ware .....	39.1	39.0	39.8	39.7	40.3	2.1	1.9	2.6	2.5	-
391	Jewelry, precious metal .....	40.0	39.1	39.3	39.6	-	2.9	2.1	2.7	3.1	-
3911	Musical instruments .....	39.6	38.8	38.8	39.5	-	3.1	2.4	3.0	3.6	-
393	Toys and sporting goods .....	39.9	40.0	40.5	40.4	-	1.7	2.0	1.8	1.9	-
394	Dolls, games, toys, and children's vehicles .....	38.8	38.5	40.3	40.1	-	1.4	1.6	2.7	2.5	-
3942, 4	Sporting and athletic goods, nec .....	38.6	37.0	40.0	40.0	-	1.0	.9	3.0	2.4	-
3949	Pens, pencils, office and art supplies .....	39.1	39.6	40.7	40.1	-	1.8	2.0	2.4	2.7	-
395	Costume jewelry and notions .....	39.7	40.9	40.6	40.6	-	1.6	1.9	2.5	2.3	-
396	Costume jewelry .....	38.2	37.3	37.6	37.2	-	3.4	1.9	2.6	2.5	-
3961	Miscellaneous manufactures .....	38.0	36.0	35.6	35.5	-	4.9	2.2	2.7	2.8	-
399	Signs and advertising displays .....	39.0	39.4	40.1	40.0	-	2.0	1.9	2.7	2.3	-
3993		39.1	40.0	40.5	40.6	-	2.0	2.1	2.8	2.6	-
<b>NONDURABLE GOODS</b>											
<b>FOOD AND KINDRED PRODUCTS</b>											
20	Meat products .....	39.7	39.6	39.8	39.9	39.9	3.6	3.4	3.9	3.7	-
201	Meat packing plants .....	39.9	39.1	39.6	39.8	-	3.8	3.4	3.8	3.8	-
2011	Sausages and other prepared meats .....	42.7	41.7	41.3	42.3	-	4.8	4.0	4.9	4.9	-
2013	Poultry dressing plants .....	40.1	39.6	40.0	39.7	-	3.5	3.6	3.7	3.5	-
2016	Dairy products .....	36.8	36.1	38.0	37.3	-	3.2	2.7	2.9	2.9	-
202	Cheese, natural and processed .....	40.8	40.8	40.5	40.9	-	3.7	3.5	3.7	4.1	-
2022	Fluid milk .....	39.3	39.0	39.6	39.1	-	3.5	3.2	3.4	3.7	-
2026	Preserved fruits and vegetables .....	41.6	41.6	41.6	42.5	-	3.9	4.0	4.1	4.6	-
203	Canned specialties .....	38.1	38.9	39.3	38.9	-	3.1	3.1	4.4	3.6	-
2032	Canned fruits and vegetables .....	40.1	43.1	43.6	42.6	-	3.9	5.8	7.0	5.3	-
2033	Frozen fruits and vegetables .....	38.2	39.3	35.1	37.7	-	3.2	2.6	4.6	3.2	-
2037	Grain mill products .....	37.8	39.6	37.9	38.9	-	3.1	3.5	4.2	3.6	-
204	Flour and other grain mill products .....	43.3	43.4	43.6	43.3	-	5.1	5.0	5.7	5.1	-
2041	Prepared feeds, nec .....	44.6	44.8	47.0	45.8	-	5.9	6.0	7.2	5.7	-
2048	Bakery products .....	43.3	44.0	43.6	43.6	-	5.2	5.5	6.1	5.7	-
205	Bread, cake, and related products .....	38.5	38.2	38.3	38.5	-	3.2	3.1	3.0	2.9	-
2051	Cookies and crackers .....	37.7	37.4	37.7	38.0	-	3.3	3.7	3.1	3.1	-
2052	Sugar and confectionery products .....	40.9	40.2	39.8	39.9	-	3.2	3.5	2.6	2.2	-
206	Cane and beet sugar .....	41.1	40.7	41.2	41.5	-	3.7	3.4	3.9	3.6	-
2061-3	Confectionery products .....	45.4	45.9	42.9	43.7	-	7.2	6.8	6.5	5.8	-
2065	Fats and oils .....	38.4	37.9	40.2	40.5	-	1.9	1.7	2.7	2.9	-
207	Beverages .....	44.8	44.8	42.6	43.8	-	6.0	5.5	5.3	5.4	-
208	Malt beverages .....	40.0	40.5	39.9	39.9	-	3.4	3.4	3.5	3.3	-
2082	Bottled and canned soft drinks .....	42.3	42.1	41.8	42.6	-	5.6	4.6	5.1	5.7	-
2086	Misc. foods and kindred products .....	38.3	39.6	38.6	38.1	-	2.4	3.1	2.6	2.2	-
209		37.0	36.7	37.5	37.8	-	2.6	2.6	3.2	3.1	-
<b>TOBACCO MANUFACTURES</b>											
21	Cigarettes .....	38.0	37.9	38.3	39.0	36.3	1.6	1.2	.8	1.7	-
211		38.2	37.0	36.7	39.5	-	1.5	.8	.1	1.8	-
<b>TEXTILE MILL PRODUCTS</b>											
22	Weaving mills, cotton .....	39.1	39.2	41.1	41.0	41.3	2.6	2.6	4.0	3.9	-
221	Weaving mills, synthetics .....	40.0	40.0	41.7	41.5	-	3.2	3.1	4.5	4.4	-
222	Weaving and finishing mills, wool .....	39.4	39.5	41.7	41.3	-	2.4	2.6	4.1	4.0	-
223	Narrow fabric mills .....	38.7	39.6	41.0	42.2	-	3.2	3.5	3.8	5.1	-
224	Knitting mills .....	38.1	39.6	39.8	40.1	-	1.8	1.9	2.4	2.9	-
225		37.7	37.2	39.4	39.6	-	2.2	2.0	3.2	3.1	-

See footnotes at end of table.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>TEXTILE MILL PRODUCTS—Continued</b>											
2251	Women's hosiery, except socks	\$203.84	\$207.92	\$220.25	\$226.33	-	\$5.35	\$5.37	\$5.59	\$5.63	-
2252	Hosiery, nec	197.02	186.02	206.12	207.43	-	5.24	5.24	5.41	5.43	-
2253	Knit outerwear mills	195.78	191.17	216.96	217.34	-	5.32	5.34	5.65	5.66	-
2254	Knit underwear mills	195.60	188.24	204.06	208.50	-	5.23	5.20	5.37	5.36	-
2257	Circular knit fabric mills	242.17	252.28	278.40	270.51	-	6.10	6.26	6.40	6.38	-
226	Textile finishing, except wool	256.31	264.62	274.56	276.97	-	6.36	6.47	6.60	6.69	-
2261	Finishing plants, cotton	253.16	269.69	279.36	288.53	-	6.39	6.53	6.62	6.71	-
2262	Finishing plants, synthetics	259.35	271.89	278.36	270.90	-	6.65	6.72	6.89	7.00	-
227	Floor covering mills	247.04	251.72	267.76	270.94	-	6.04	6.20	6.36	6.39	-
226	Yarn and thread mills	216.67	219.79	242.36	242.02	-	5.57	5.65	5.84	5.86	-
2281	Yarn mills, except wool	217.33	220.70	247.62	247.13	-	5.53	5.63	5.84	5.87	-
2282	Throwing and winding mills	201.62	200.02	215.03	217.91	-	5.42	5.45	5.66	5.66	-
229	Miscellaneous textile goods	265.32	274.80	301.27	299.17	-	6.60	6.67	6.99	6.99	-
23	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>	184.97	186.38	199.82	200.07	\$201.12	5.24	5.28	5.43	5.45	\$5.48
231	Men's and boys' suits and coats	212.63	217.10	232.10	232.94	-	6.11	6.15	6.29	6.33	-
232	Men's and boys' furnishings	173.52	172.91	185.86	186.50	-	4.82	4.83	4.93	4.96	-
2321	Men's and boys' shirts and nightwear	165.29	164.72	176.70	179.08	-	4.63	4.64	4.75	4.75	-
2327	Men's and boys' separate trousers	176.89	176.40	185.84	189.50	-	4.90	4.90	5.05	5.04	-
2328	Men's and boys' work clothing	174.85	175.69	191.30	186.73	-	4.83	4.84	4.88	4.94	-
233	Women's and misses' outerwear	172.31	175.73	189.41	187.21	-	5.19	5.23	5.49	5.49	-
2331	Women's and misses' blouses and waists	157.04	166.43	172.26	170.58	-	4.80	4.81	4.95	4.93	-
2336	Women's and misses' dresses	170.77	174.52	184.01	181.91	-	5.32	5.42	5.61	5.60	-
2337	Women's and misses' suits and coats	189.09	193.00	231.53	224.45	-	5.73	5.71	6.77	6.69	-
2339	Women's and misses' outerwear, nec	159.01	174.92	184.11	184.25	-	5.03	5.07	5.10	5.19	-
234	Women's and children's undergarments	170.53	161.98	187.34	188.60	-	4.75	4.75	4.93	4.95	-
2341	Women's and children's underwear	157.90	158.99	184.89	186.03	-	4.69	4.69	4.84	4.87	-
2342	Brasieres and allied garments	184.77	175.70	202.00	203.14	-	5.09	5.02	5.43	5.36	-
236	Children's outerwear	168.50	172.79	174.12	177.74	-	4.72	4.76	4.81	4.83	-
2361	Children's dresses and blouses	157.79	171.23	168.96	170.41	-	4.70	4.73	4.80	4.76	-
238	Misc. apparel and accessories	189.80	188.60	199.56	200.25	-	5.20	5.21	5.35	5.38	-
239	Misc. fabricated textile products	237.78	240.48	251.83	251.54	-	6.16	6.23	6.28	6.32	-
2391	Curtains and draperies	169.99	180.65	197.12	196.21	-	4.67	4.68	5.12	5.07	-
2392	House furnishing, nec	210.14	205.39	224.82	218.83	-	5.28	5.28	5.47	5.43	-
2396	Automotive and apparel trimmings	423.80	431.47	408.11	408.29	-	10.49	10.68	9.74	9.91	-
26	<b>PAPER AND ALLIED PRODUCTS</b>	402.24	410.13	436.32	440.21	445.45	9.60	9.65	10.10	10.19	10.17
261, 2, 6	Paper and pulp mills	495.68	500.63	542.55	546.75	-	11.24	11.25	12.03	12.15	-
262	Paper mills, except building paper	502.20	507.83	541.04	546.16	-	11.26	11.26	11.97	12.11	-
263	Paperboard mills	474.71	500.44	538.02	564.55	-	11.55	11.72	12.34	12.89	-
264	Misc. converted paper products	345.65	355.73	369.46	371.90	-	8.41	8.49	8.86	8.94	-
2641	Paper coating and glazing	404.18	407.36	421.84	436.13	-	9.51	9.54	10.02	10.19	-
2642	Envelopes	320.02	323.33	332.92	333.74	-	7.73	7.81	8.20	8.18	-
2643	Bags, except textile bags	323.23	337.12	353.18	349.40	-	7.77	7.84	8.31	8.26	-
265	Paperboard containers and boxes	343.13	347.27	372.37	368.88	-	8.41	8.47	8.68	8.70	-
2651	Folding paperboard boxes	348.53	361.21	370.44	379.90	-	8.67	8.81	8.82	8.96	-
2653	Corrugated and solid fiber boxes	358.48	359.26	402.74	391.03	-	8.68	8.72	9.03	9.01	-
2654	Sanitary food containers	334.10	344.40	351.53	357.84	-	8.07	8.20	8.33	8.40	-
27	<b>PRINTING AND PUBLISHING</b>	332.72	341.10	351.12	354.11	358.82	8.92	9.00	9.24	9.27	9.32
271	Newspapers	300.60	309.29	318.49	325.24	-	9.00	9.07	9.34	9.40	-
272	Periodicals	339.43	342.24	359.78	368.52	-	9.10	9.20	9.75	9.88	-
273	Books	319.73	326.82	348.08	347.13	-	8.37	8.38	8.79	8.70	-
2731	Book publishing	299.33	309.26	303.48	306.82	-	8.09	8.16	8.18	8.16	-
2732	Book printing	344.99	348.25	400.78	393.13	-	8.69	8.62	9.43	9.25	-
274	Miscellaneous publishing	295.48	297.65	294.14	295.11	-	8.14	7.98	8.38	8.36	-
275	Commercial printing	354.35	361.53	374.30	373.35	-	9.18	9.27	9.50	9.50	-
2751	Commercial printing, letterpress	329.95	338.03	350.88	349.71	-	8.66	8.78	9.02	8.99	-
2752	Commercial printing, lithographic	362.39	369.50	382.93	381.18	-	9.34	9.45	9.67	9.65	-
276	Manifold business forms	370.96	396.18	391.25	401.29	-	9.07	9.30	9.36	9.42	-
278	Blankbooks and bookbinding	265.04	292.20	279.75	284.26	-	6.92	7.02	7.21	7.27	-
279	Printing trade services	410.78	414.47	423.31	429.07	-	10.81	10.85	10.91	11.03	-
28	<b>CHEMICALS AND ALLIED PRODUCTS</b>	420.66	427.25	449.53	457.87	460.28	10.26	10.32	10.78	10.85	10.83
281	Industrial inorganic chemicals	456.74	464.06	495.51	513.76	-	11.39	11.43	11.94	12.06	-
2819	Industrial inorganic chemicals, nec	458.14	468.52	502.02	515.39	-	11.54	11.54	12.01	12.07	-
282	Plastics materials and synthetics	417.18	419.42	454.73	458.77	-	10.20	10.28	10.75	10.82	-
2821	Plastics materials and resins	452.58	464.40	507.91	514.65	-	11.04	11.11	11.73	11.75	-
2824	Organic fibers, noncellulosic	393.26	395.75	431.28	434.89	-	9.71	9.82	10.22	10.33	-
283	Drugs	388.22	394.70	405.14	413.76	-	9.40	9.42	9.93	9.97	-
2834	Pharmaceutical preparations	370.55	377.07	383.66	396.34	-	9.06	9.13	9.52	9.62	-

See footnotes at end of table.













## ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>p</sup>	Dec. 1983 <sup>p</sup>	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>p</sup>	Dec. 1983 <sup>p</sup>
	<b>SERVICES .....</b>	\$230.10	\$232.11	\$242.39	\$241.24	\$242.96	\$7.09	\$7.12	\$7.39	\$7.40	\$7.43
701	<b>HOTELS AND OTHER LODGING PLACES:</b> Hotels, motels, and tourist courts <sup>2</sup> .....	153.17	153.24	169.06	163.71	-	5.14	5.23	5.35	5.35	-
721	<b>PERSONAL SERVICES:</b> Laundry, cleaning, and garment services .....	176.25	178.27	187.95	186.19	-	5.23	5.29	5.48	5.46	-
723	Beauty shops <sup>3</sup> .....	149.63	158.12	155.39	166.56	-	5.25	5.36	5.34	5.38	-
73	<b>BUSINESS SERVICES</b> .....	233.21	234.68	249.42	249.75	-	7.11	7.09	7.49	7.50	-
731	Advertising .....	337.75	336.81	358.37	363.53	-	9.33	9.33	10.12	10.07	-
734	Services to buildings .....	155.63	158.44	167.36	167.36	-	5.68	5.72	6.02	6.02	-
737	Computer and data processing services .....	326.74	329.24	369.15	369.36	-	8.69	8.71	9.74	9.77	-
75	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	253.95	256.81	262.45	261.85	-	6.79	6.83	6.98	7.02	-
753	Automotive repair shops .....	231.69	285.18	292.53	291.80	-	7.26	7.35	7.52	7.54	-
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	319.49	327.21	320.19	325.08	-	8.32	8.39	8.36	8.40	-
78	<b>MOTION PICTURES</b> .....	262.32	293.35	316.17	311.90	-	9.47	10.61	10.94	10.93	-
781	Motion picture production and services .....	498.94	528.26	589.64	582.00	-	13.13	15.05	14.89	14.66	-
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	193.50	192.81	199.50	203.26	-	6.45	6.47	6.74	6.99	-
80	<b>HEALTH SERVICES</b> .....	233.15	235.24	242.87	242.03	-	7.13	7.15	7.45	7.47	-
801	Offices of physicians .....	222.92	227.45	230.06	227.30	-	7.01	7.13	7.35	7.38	-
802	Offices of dentists .....	195.16	195.68	199.60	199.88	-	6.97	6.89	7.18	7.19	-
805	Nursing and personal care facilities .....	153.55	155.47	162.30	161.91	-	4.89	4.92	5.12	5.14	-
806	Hospitals .....	265.20	267.00	280.50	280.35	-	7.80	7.83	8.25	8.27	-
81	<b>LEGAL SERVICES</b> .....	307.40	314.38	329.90	322.92	-	8.91	9.06	9.48	9.36	-
89	<b>MISCELLANEOUS SERVICES</b> .....	425.60	406.51	422.60	417.96	-	10.40	10.45	10.92	10.80	-
891	Engineering and architectural services .....	444.71	446.69	467.27	464.07	-	11.23	11.28	11.77	11.56	-
893	Accounting, auditing, and bookkeeping .....	333.41	334.13	353.19	346.18	-	8.66	8.68	9.27	9.11	-

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

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

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

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

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

<sup>5</sup> Money payments only; tips, not included.

<sup>6</sup> Data for nonoffice sales agents excluded from all series in this division.

- Data not available.

p = preliminary.

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

Corrected data for September 1983:

SIC Code	Industry	Average weekly earnings	Average hourly earnings	Average weekly hours
25	Furniture and fixtures .....	\$270.95	\$6.74	40.2
252	Office furniture .....	303.48	7.42	40.9

**ESTABLISHMENT DATA  
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
	<b>SERVICES</b> .....	32.5	32.6	32.8	32.6	32.7	-	-	-	-	-
	<b>HOTELS AND OTHER LODGING PLACES:</b>										
701	Hotels, motels, and tourist courts <sup>5</sup> .....	29.8	29.3	31.6	30.6	-	-	-	-	-	
	<b>PERSONAL SERVICES:</b>										
721	Laundry, cleaning, and garment services .....	33.7	33.7	34.3	34.1	-	-	-	-	-	
723	Beauty shops <sup>5</sup> .....	28.5	29.5	29.1	29.1	-	-	-	-	-	
	<b>BUSINESS SERVICES</b> .....	32.8	33.1	33.3	33.3	-	-	-	-	-	
731	Advertising .....	36.2	36.1	36.4	36.1	-	-	-	-	-	
734	Services to buildings .....	27.4	27.7	27.8	27.8	-	-	-	-	-	
737	Computer and data processing services .....	37.6	37.8	37.9	38.0	-	-	-	-	-	
	<b>AUTO REPAIR, SERVICES, AND GARAGES</b> .....	37.4	37.6	37.6	37.3	-	-	-	-	-	
753	Automotive repair shops .....	38.8	38.8	38.9	38.7	-	-	-	-	-	
76	<b>MISCELLANEOUS REPAIR SERVICES</b> .....	38.4	39.0	38.3	38.7	-	-	-	-	-	
	<b>MOTION PICTURES</b> .....	27.7	26.8	28.9	28.8	-	-	-	-	-	
781	Motion picture production and services .....	38.0	35.1	39.6	39.7	-	-	-	-	-	
79	<b>AMUSEMENT AND RECREATION SERVICES</b> .....	30.0	29.8	29.6	29.5	-	-	-	-	-	
	<b>HEALTH SERVICES</b> .....	32.7	32.9	32.6	32.4	-	-	-	-	-	
801	Offices of physicians .....	31.8	31.9	31.3	30.8	-	-	-	-	-	
802	Offices of dentists .....	28.0	28.4	27.8	27.8	-	-	-	-	-	
805	Nursing and personal care facilities .....	31.4	31.6	31.7	31.5	-	-	-	-	-	
806	Hospitals .....	34.0	34.1	34.0	33.9	-	-	-	-	-	
81	<b>LEGAL SERVICES</b> .....	34.5	34.7	34.8	34.5	-	-	-	-	-	
	<b>MISCELLANEOUS SERVICES</b> .....	39.0	38.9	38.7	38.7	-	-	-	-	-	
891	Engineering and architectural services .....	39.6	39.6	39.7	39.8	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping .....	38.5	38.5	38.1	38.0	-	-	-	-	-	

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

Major industry group	Average hourly earnings excluding overtime <sup>1</sup>				
	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>MANUFACTURING</b>	\$8.36	\$8.42	\$8.56	\$8.62	\$8.66
<b>DURABLE GOODS</b>	8.92	8.97	9.11	9.16	9.20
Lumber and wood products	7.36	7.32	7.56	7.50	-
Furniture and fixtures	6.29	6.39	6.48	6.52	-
Stone, clay, and glass products	8.67	8.73	8.90	8.93	-
Primary metal industries	11.22	11.20	10.81	10.86	-
Fabricated metal products	8.68	8.72	8.84	8.88	-
Machinery, except electrical	9.15	9.16	9.38	9.42	-
Electric and electronic equipment	8.25	8.29	8.41	8.43	-
Transportation equipment	10.93	11.02	11.28	11.37	-
Instruments and related products	8.14	8.20	8.37	8.38	-
Miscellaneous manufacturing industries	6.40	6.51	6.64	6.65	-
<b>NONDURABLE GOODS</b>	7.62	7.69	7.79	7.85	7.89
Food and kindred products	7.66	7.73	7.75	7.86	-
Tobacco manufactures	9.94	9.47	9.58	10.35	-
Textile mill products	5.73	5.84	5.95	5.98	-
Apparel and other textile products	5.16	5.21	5.32	5.34	-
Paper and allied products	9.16	9.21	9.54	9.65	-
Printing and publishing	8.64	8.70	8.90	8.93	-
Chemicals and allied products	9.93	9.99	10.36	10.43	-
Petroleum and coal products	12.13	12.20	12.73	12.84	-
Rubber and misc. plastics products	7.57	7.65	7.74	7.72	-
Leather and leather products	5.32	5.35	5.43	5.44	-

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

p = preliminary.

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

Industry	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
<b>TOTAL PRIVATE:</b>					
Current dollars	\$271.01	\$273.70	\$287.70	\$286.07	\$289.68
Constant (1977) dollars	167.81	170.11	173.31	172.23	-
<b>MINING:</b>					
Current dollars	458.02	465.47	490.32	489.92	\$493.34
Constant (1977) dollars	283.60	289.29	295.37	294.95	-
<b>CONSTRUCTION:</b>					
Current dollars	423.09	440.13	449.09	430.06	\$444.74
Constant (1977) dollars	261.98	273.54	270.54	258.92	-
<b>MANUFACTURING:</b>					
Current dollars	338.37	344.60	363.04	366.38	\$372.86
Constant (1977) dollars	209.52	214.17	218.70	220.58	-
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>					
Current dollars	413.01	416.30	430.64	432.69	\$440.50
Constant (1977) dollars	255.73	258.73	259.42	260.50	-
<b>WHOLESALE AND RETAIL TRADE:</b>					
Current dollars	199.71	203.15	210.24	209.90	\$212.27
Constant (1977) dollars	123.66	126.26	126.65	126.37	-
<b>FINANCE, INSURANCE, AND REAL ESTATE:</b>					
Current dollars	253.40	254.46	270.44	266.04	\$267.17
Constant (1977) dollars	156.90	158.15	162.92	160.17	-
<b>SERVICES:</b>					
Current dollars	230.10	232.11	242.39	241.24	\$242.96
Constant (1977) dollars	142.48	144.26	146.02	145.24	-

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

p = preliminary.



## ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983P	Dec. 1983P
	Hours				
<b>TOTAL PRIVATE</b> .....	103.5	104.5	109.2	109.0	110.2
<b>GOODS-PRODUCING</b> .....	86.6	89.0	98.1	97.8	97.9
<b>MINING</b> .....	118.7	117.9	118.9	118.7	120.8
<b>CONSTRUCTION</b> .....	100.9	96.4	113.8	109.0	105.8
<b>MANUFACTURING</b> .....	84.8	84.9	94.1	94.7	95.3
<b>DURABLE GOODS</b> .....	80.5	81.0	91.8	92.9	94.0
Lumber and wood products .....	78.1	78.1	100.2	96.5	94.7
Furniture and fixtures .....	87.1	88.7	102.0	102.7	106.0
Stone, clay, and glass products .....	78.9	76.0	89.0	88.2	86.4
Primary metal industries .....	59.8	60.3	70.0	71.5	71.5
Fabricated metal products .....	78.9	79.6	88.6	89.7	91.1
Machinery, except electrical .....	81.3	82.1	87.5	90.6	92.8
Electric and electronic equipment .....	93.4	94.0	106.9	108.8	111.6
Transportation equipment .....	76.9	79.2	92.4	93.4	94.6
Instruments and related products .....	102.9	103.5	104.7	105.9	108.1
Miscellaneous manufacturing industries .....	83.2	79.0	89.3	89.2	88.1
<b>NONDURABLE GOODS</b> .....	91.2	90.7	97.5	97.3	97.2
Food and kindred products .....	97.6	94.6	101.0	98.5	96.1
Tobacco manufactures .....	90.6	103.0	93.9	87.9	76.7
Textile mill products .....	76.7	76.5	85.0	84.9	85.6
Apparel and other textile products .....	85.3	83.6	93.9	93.6	92.5
Paper and allied products .....	92.1	92.8	97.2	97.4	99.1
Printing and publishing .....	106.6	109.1	111.1	112.9	114.4
Chemicals and allied products .....	94.1	94.5	95.5	96.9	99.0
Petroleum and coal products .....	95.6	92.5	92.3	91.0	92.2
Rubber and misc. plastics products .....	90.7	91.9	108.1	108.9	110.8
Leather and leather products .....	81.5	78.3	86.0	85.9	83.7
<b>SERVICE-PRODUCING</b> .....	111.7	113.6	115.3	115.2	117.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	101.5	101.5	102.9	102.3	103.6
<b>WHOLESALE AND RETAIL TRADE</b> .....	104.9	108.9	106.8	107.4	111.1
<b>WHOLESALE TRADE</b> .....	107.9	107.7	110.3	110.2	110.9
<b>RETAIL TRADE</b> .....	103.7	109.3	105.5	106.4	111.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	116.3	116.7	120.0	119.2	119.6
<b>SERVICES</b> .....	122.3	122.7	128.5	128.0	128.3

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

p = preliminary.

# ESTABLISHMENT DATA HOURS AND EARNINGS

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

(1977=100)

Industry division and group	Nov. 1982	Dec. 1982	Oct. 1983	Nov. 1983 <sup>a</sup>	Dec. 1983 <sup>b</sup>
	Payrolls				
<b>TOTAL PRIVATE</b> .....	154.0	155.6	169.5	160.4	171.5
<b>GOODS-PRODUCING</b> .....	134.8	134.9	154.2	153.7	154.9
<b>MINING</b> .....	188.2	187.3	194.4	195.2	198.6
<b>CONSTRUCTION</b> .....	146.0	142.2	169.1	159.8	156.9
<b>MANUFACTURING</b> .....	128.6	129.9	147.8	149.7	151.8
<b>DURABLE GOODS</b> .....	121.8	123.5	143.8	146.3	149.2
Lumber and wood products.....	116.3	115.8	154.7	147.4	144.7
Furniture and fixtures.....	128.9	131.9	157.5	159.2	166.4
Stone, clay, and glass products.....	122.6	118.7	143.9	142.8	140.4
Primary metal industries.....	92.7	93.6	106.7	109.6	109.7
Fabricated metal products.....	118.9	120.8	138.2	146.6	144.2
Machinery, except electrical.....	121.8	123.7	136.2	142.0	146.9
Electric and electronic equipment.....	146.3	148.5	173.1	177.0	183.3
Transportation equipment.....	119.7	124.2	150.7	153.8	156.9
Instruments and related products.....	161.5	164.0	170.2	172.2	173.9
Miscellaneous manufacturing industries.....	125.2	120.7	140.3	140.2	139.8
<b>NONDURABLE GOODS</b> .....	140.7	141.2	154.9	155.6	156.4
Food and kindred products.....	145.4	141.9	152.8	150.6	147.5
Tobacco manufactures.....	166.0	173.8	163.8	167.7	144.1
Textile mill products.....	114.0	115.9	133.0	133.4	135.2
Apparel and other textile products.....	123.5	121.9	140.7	140.7	139.8
Paper and allied products.....	148.3	150.3	164.8	166.5	169.2
Printing and publishing.....	155.4	160.4	167.7	171.0	174.2
Chemicals and allied products.....	150.1	151.5	160.0	163.5	165.1
Petroleum and coal products.....	154.9	150.2	157.6	156.5	161.5
Rubber and misc. plastics products.....	136.9	140.6	169.6	170.1	175.1
Leather and leather products.....	122.3	118.2	132.2	132.4	129.6
<b>SERVICE-PRODUCING</b> .....	167.5	170.2	180.3	180.4	183.3
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	153.7	154.2	161.0	161.2	163.6
<b>WHOLESALE AND RETAIL TRADE</b> .....	154.3	159.5	164.1	165.3	170.2
<b>WHOLESALE TRADE</b> .....	162.9	163.9	174.8	174.2	176.3
<b>RETAIL TRADE</b> .....	149.7	157.2	158.4	160.5	166.9
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	179.4	180.1	196.8	193.9	195.4
<b>SERVICES</b> .....	186.2	187.7	204.2	202.7	204.9

## ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
<b>TOTAL PRIVATE</b> .....	34.8	35.1	34.5	34.9	34.9	35.1	35.1	35.0	35.0	35.2	35.3	35.2	35.2
<b>MINING</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(?)	(2)
<b>CONSTRUCTION</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>MANUFACTURING</b> .....	39.0	39.7	39.2	39.5	40.1	40.0	40.1	40.2	40.3	40.8	40.6	40.6	40.5
<i>Overtime hours</i> .....	2.3	2.4	2.4	2.6	2.9	2.7	2.9	3.0	3.1	3.3	3.3	3.3	3.4
<b>DURABLE GOODS</b> .....	39.3	40.1	39.7	39.9	40.5	40.4	40.6	40.8	40.8	41.5	41.2	41.2	41.1
<i>Overtime hours</i> .....	2.2	2.2	2.3	2.5	2.9	2.6	2.8	3.0	3.1	3.4	3.4	3.4	3.6
Lumber and wood products .....	38.8	40.5	39.5	39.5	40.0	39.8	40.0	39.9	40.2	40.5	40.3	39.8	39.9
Furniture and fixtures .....	37.8	38.6	37.9	38.3	39.3	39.2	39.6	39.7	39.7	40.0	39.8	39.8	40.5
Stone, clay, and glass products .....	40.1	41.4	40.5	40.5	41.0	41.2	41.6	41.7	41.7	42.1	41.7	41.7	41.8
Primary metal industries .....	38.8	39.9	39.1	39.4	39.9	40.3	40.3	40.8	40.9	41.2	41.7	41.6	41.2
Fabricated metal products .....	39.2	39.9	39.6	39.7	40.5	40.4	40.5	40.7	40.9	41.6	41.2	41.4	41.3
Machinery, except electrical .....	39.3	39.6	39.4	39.7	40.2	40.0	40.4	40.7	40.7	41.2	41.3	41.4	41.1
Electric and electronic equipment .....	39.4	39.9	39.5	39.8	40.4	40.3	40.5	40.8	40.7	41.1	41.1	41.1	41.0
Transportation equipment .....	40.1	41.6	41.2	41.7	42.3	41.6	41.9	42.0	41.8	43.5	42.5	42.4	41.8
Instruments and related products .....	39.7	40.4	39.7	40.0	40.5	40.4	40.1	40.7	40.4	41.0	40.7	40.5	40.9
Miscellaneous manufacturing ind .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>NONDURABLE GOODS</b> .....	38.6	39.1	38.5	39.0	39.5	39.4	39.6	39.5	39.5	39.9	39.7	39.7	39.7
<i>Overtime hours</i> .....	2.5	2.6	2.6	2.7	3.0	2.9	3.0	3.0	3.1	3.1	3.1	3.1	3.2
Food and kindred products .....	39.1	39.3	39.0	39.2	39.6	39.4	39.8	39.4	39.6	39.9	39.7	39.6	39.4
Tobacco manufactures .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	38.9	39.7	39.0	39.6	40.6	40.4	40.7	40.7	40.9	41.3	40.7	40.7	41.0
Apparel and other textile products .....	35.1	36.6	35.2	35.6	36.2	36.1	36.1	35.8	36.2	36.8	36.5	36.4	36.5
Paper and allied products .....	41.7	41.8	41.4	42.1	42.4	42.7	42.8	42.9	42.9	43.3	43.2	43.0	43.0
Printing and publishing .....	37.1	37.5	37.1	37.4	37.7	37.4	37.6	37.7	37.5	37.8	38.0	38.0	37.7
Chemicals and allied products .....	40.9	41.0	41.0	41.2	41.5	41.6	41.9	41.8	41.6	41.7	41.7	41.9	42.0
Petroleum and coal products .....	44.4	44.5	44.4	44.9	43.5	43.6	43.8	43.7	43.5	43.2	43.5	43.7	45.6
Rubber and misc. plastics products .....	(2)	(2)	(?)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products .....	35.8	36.3	34.9	36.0	37.0	36.8	36.8	37.4	37.2	37.7	37.5	37.1	37.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	38.9	38.6	38.6	38.8	38.8	38.9	38.9	38.9	39.3	39.4	39.4	39.2	39.6
<b>WHOLESALE AND RETAIL TRADE</b> .....	32.1	31.9	31.4	31.7	31.7	31.9	32.0	31.9	31.8	31.8	32.1	32.0	32.1
<b>WHOLESALE TRADE</b> .....	38.4	38.5	38.2	38.4	38.5	38.6	38.7	38.6	38.5	38.7	38.7	38.7	38.7
<b>RETAIL TRADE</b> .....	30.1	29.9	29.3	29.7	29.6	29.9	29.9	29.8	29.7	29.7	30.0	30.0	30.0
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
<b>SERVICES</b> .....	32.6	32.9	32.5	32.7	32.7	32.9	32.7	32.6	32.7	32.8	32.9	32.7	32.7

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

p = preliminary.

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

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

## C-7. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry division and major manufacturing group, seasonally adjusted

(1977=100)

Industry division and group	1982	1983											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. <sup>p</sup>	Dec. <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	102.6	104.1	102.2	103.1	104.0	105.0	105.7	106.1	105.3	107.5	108.1	108.3	108.7
<b>GOODS-PRODUCING</b> .....	86.5	89.8	87.2	87.8	89.6	90.5	91.8	93.0	93.5	95.1	95.6	96.3	96.9
<b>MINING</b> .....	116.5	118.4	111.6	110.7	109.5	110.3	112.5	114.0	115.0	117.0	118.5	118.1	118.9
<b>CONSTRUCTION</b> .....	96.5	106.2	94.7	94.3	96.3	99.6	102.0	103.5	104.5	106.0	103.9	105.0	106.7
<b>MANUFACTURING</b> .....	83.1	85.5	84.1	85.4	87.4	87.8	88.8	90.0	90.4	92.0	92.9	93.6	94.0
<b>DURABLE GOODS</b> .....	78.8	81.4	80.4	81.6	83.7	84.3	85.4	87.2	87.8	89.8	91.1	91.9	92.4
Lumber and wood products .....	78.6	84.9	83.1	85.1	88.0	89.2	92.2	93.5	95.6	97.0	98.0	97.4	97.0
Furniture and fixtures .....	85.2	88.0	84.7	87.9	92.0	93.1	94.8	97.2	97.0	98.0	99.1	100.4	102.7
Stone, clay, and glass products .....	75.8	78.9	76.6	78.1	80.0	81.3	82.5	83.4	84.5	85.7	85.9	86.3	86.7
Primary metal industries .....	60.0	61.2	61.0	62.2	63.7	65.1	65.2	67.0	67.6	68.9	71.6	72.5	72.1
Fabricated metal products .....	76.9	79.2	78.9	79.4	81.4	82.0	82.8	83.7	85.2	86.9	87.6	88.5	89.0
Machinery, except electrical .....	79.6	79.4	78.4	78.7	80.0	81.4	82.4	84.6	85.6	87.0	88.3	90.3	90.2
Electric and electronic equipment .....	91.2	94.3	93.2	95.2	97.6	98.0	99.6	101.6	101.1	104.7	106.5	108.0	109.0
Transportation equipment .....	75.0	79.4	80.1	81.0	83.7	82.9	84.2	86.8	86.9	89.9	91.1	91.3	91.4
Instruments and related products .....	100.9	102.7	99.1	100.6	101.9	101.7	100.4	101.9	102.2	105.0	105.1	104.8	106.1
Miscellaneous manufacturing ind .....	78.4	81.0	77.7	80.7	82.9	82.4	82.7	84.5	83.4	82.9	85.0	85.2	89.3
<b>NONDURABLE GOODS</b> .....	89.5	91.7	89.6	91.0	92.8	92.9	93.9	94.2	94.2	95.3	95.6	96.0	96.4
Food and kindred products .....	94.2	95.1	93.8	94.1	96.0	95.6	97.4	96.2	95.5	96.3	95.8	96.1	95.8
Tobacco manufactures .....	93.6	94.6	82.4	89.6	89.1	88.6	88.3	87.3	82.1	83.6	84.7	80.8	71.1
Textile mill products .....	74.6	78.2	75.4	77.6	90.1	80.1	81.8	81.8	83.1	83.9	83.4	83.6	84.6
Apparel and other textile products .....	83.6	90.0	85.0	85.5	87.6	87.7	88.1	89.0	89.6	91.2	91.7	92.2	93.1
Paper and allied products .....	90.8	91.2	90.4	92.1	93.1	94.4	94.6	95.4	95.0	96.5	96.8	96.8	97.4
Printing and publishing .....	105.6	107.0	105.6	106.5	108.1	107.5	108.7	109.0	108.9	109.8	111.3	112.1	110.9
Chemicals and allied products .....	93.9	93.8	93.6	93.7	94.7	94.7	95.5	95.8	95.1	95.5	95.9	96.6	97.2
Petroleum and coal products .....	94.2	95.4	96.2	97.6	94.6	93.3	92.9	92.7	91.5	90.1	89.9	99.6	93.5
Rubber and misc. plastics products .....	90.0	91.1	90.9	94.9	98.5	100.2	100.6	102.7	103.5	105.7	106.7	108.0	109.8
Leather and leather products .....	78.1	81.0	76.4	79.9	81.7	81.2	81.2	82.6	84.0	85.6	85.1	84.2	83.5
<b>SERVICE-PRODUCING</b> .....	111.5	112.0	110.5	111.6	111.9	113.0	113.3	113.4	111.8	114.4	115.1	114.9	115.3
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	100.5	99.0	98.6	99.1	99.6	99.9	99.9	99.7	85.0	102.0	101.8	101.3	102.2
<b>WHOLESALE AND RETAIL TRADE</b> .....	104.0	104.3	102.1	103.9	103.6	104.7	105.4	105.3	105.3	105.6	106.5	106.7	106.7
<b>WHOLESALE TRADE</b> .....	106.7	106.8	105.5	106.1	106.6	107.3	108.1	107.9	108.1	109.3	109.5	109.5	109.7
<b>RETAIL TRADE</b> .....	103.0	103.4	100.9	103.0	102.4	103.7	104.4	104.3	104.2	104.1	105.4	105.6	105.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	117.2	117.8	116.4	116.4	117.8	119.1	118.9	119.1	119.0	119.5	120.2	119.7	120.1
<b>SERVICES</b> .....	122.9	124.1	122.5	123.9	124.7	126.1	126.1	126.3	127.1	128.0	128.6	128.4	128.8

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

p=preliminary

# ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

Industry	1982		1983										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. <sup>P</sup>	Dec. <sup>P</sup>
<b>Hourly Earnings Index <sup>2</sup> (1977=100)</b>													
TOTAL PRIVATE (In current dollars) . . . . .	151.9	152.7	153.4	153.4	154.0	154.6	154.8	155.2	155.0	155.9	156.8	156.8	157.6
MINING <sup>3</sup> . . . . .	163.0	164.7	165.1	164.0	165.7	165.0	166.4	167.6	167.3	168.3	168.7	169.8	170.0
CONSTRUCTION . . . . .	144.0	144.0	145.7	145.5	145.9	144.5	144.6	144.0	144.1	145.5	145.1	144.4	145.4
MANUFACTURING . . . . .	155.8	156.5	157.3	157.1	157.0	157.7	157.8	158.2	158.1	158.3	158.9	159.6	160.0
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	153.1	154.4	155.2	155.9	155.9	156.6	156.8	157.9	155.4	157.2	158.4	158.8	159.8
WHOLESALE AND RETAIL TRADE . . . . .	148.1	148.9	149.3	149.6	150.5	151.2	151.6	152.2	152.3	153.1	154.1	154.1	154.6
FINANCE, INSURANCE, AND REAL ESTATE <sup>3</sup> . . . . .	153.0	156.7	157.4	156.7	157.4	159.0	158.2	159.1	158.2	159.8	162.1	161.1	161.8
SERVICES . . . . .	152.0	152.2	152.4	152.6	154.0	154.9	155.5	155.6	155.9	157.1	158.4	157.9	159.1
TOTAL PRIVATE (In 1977 dollars) <sup>4</sup> . . . . .	94.1	94.7	95.3	95.0	94.8	94.7	94.8	94.7	94.0	94.2	94.4	94.3	-
<b>Average hourly earnings</b>													
TOTAL PRIVATE . . . . .	\$7.82	\$7.88	\$7.91	\$7.91	\$7.95	\$7.97	\$8.00	\$8.03	\$7.98	\$8.08	\$8.13	\$8.13	\$8.17
MINING . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
CONSTRUCTION . . . . .	11.88	11.86	12.00	12.00	12.02	11.86	11.85	11.82	11.83	11.96	11.92	11.88	11.94
MANUFACTURING . . . . .	8.63	8.68	8.76	8.75	8.78	8.79	8.82	8.85	8.84	8.87	8.94	8.99	9.00
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10.58	10.66	10.70	10.77	10.76	10.92	10.83	10.88	10.64	10.82	10.90	10.92	11.00
WHOLESALE AND RETAIL TRADE . . . . .	6.33	6.35	6.39	6.40	6.43	6.45	6.49	6.51	6.52	6.54	6.59	6.59	6.61
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)
SERVICES . . . . .	7.09	7.11	7.14	7.15	7.19	7.24	7.26	7.26	7.26	7.32	7.38	7.36	7.40
<b>Average weekly earnings</b>													
TOTAL PRIVATE:													
Current dollars . . . . .	272.14	276.59	272.90	275.27	277.46	279.75	280.80	281.05	279.30	284.42	286.99	286.18	287.58
1977 dollars <sup>5</sup> . . . . .	168.61	171.48	169.61	170.45	170.85	171.42	171.85	171.37	169.48	171.85	172.78	171.98	-

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

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

<sup>3</sup> The unadjusted data are shown because the seasonal component is small relative to the trend-cycle and/or irregular components and consequently cannot be separated with sufficient precision.

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

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

p=preliminary.

**C-9. Hours of wage and salary workers<sup>1</sup> in nonagricultural establishments by industry division**

Industry division	Millions of hours (Annual rate) <sup>2</sup>			Percent change		
	October R1983	November R1983	December P1983	Dec. 1982 to Dec. 1983	Oct. 1983 to Nov. 1983	Nov. 1983 to Dec. 1983
<b>TOTAL</b> . . . . .	170,437	169,659	171,100	4.3	-0.5	0.8
<b>PRIVATE SECTOR</b> . . . . .	139,383	139,389	139,745	5.0	0.0	0.3
MINING . . . . .	2,326	2,318	2,345	2.7	-0.4	1.2
CONSTRUCTION . . . . .	7,732	7,796	7,839	8.2	0.8	0.5
MANUFACTURING . . . . .	39,761	39,905	39,914	8.6	0.4	0.0
DURABLE GOODS . . . . .	23,649	23,747	23,745	11.0	0.4	0.0
NONDURABLE GOODS . . . . .	16,112	16,158	16,170	5.3	0.3	0.1
TRANSPORTATION AND PUBLIC UTILITIES . . . . .	10,326	10,265	10,377	2.2	-0.6	1.1
WHOLESALE AND RETAIL TRADE . . . . .	34,654	34,575	34,615	2.3	-0.2	0.1
FINANCE, INSURANCE, AND REAL ESTATE . . . . .	10,406	10,331	10,371	2.4	-0.7	0.4
SERVICES . . . . .	34,178	34,199	34,283	4.8	0.1	0.2
<b>GOVERNMENT</b> . . . . .	31,054	30,270	31,354	1.5	-2.5	3.6

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

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



**PRODUCTIVITY  
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	1982 I to 1982 II	1982 II to 1982 III	1982 III to 1982 IV	1982 IV to 1983 I	1983 I to 1983 II	1983 II to 1983 III	1981 II to 1982 II	1981 III to 1982 III	1981 IV to 1982 IV	1982 I to 1983 I	1982 II to 1983 II	1982 III to 1983 III
	<b>BUSINESS SECTOR:</b>											
Output per hour of all persons .....	-1.6	1.7	3.3	2.0	5.4	3.5	-0.4	-1.1	0.7	1.3	3.1	3.5
Output .....	-1.0	-1.1	-2.3	4.2	12.2	9.0	-2.6	-4.1	-2.7	-0.1	3.1	5.6
Hours .....	0.6	-2.7	-5.4	2.1	6.5	5.3	-2.2	-3.0	-3.4	-1.4	0.0	2.0
Compensation per hour .....	6.4	6.7	5.7	5.4	3.5	5.3	8.2	7.5	7.1	6.1	5.3	5.0
Real compensation per hour .....	1.1	-1.0	3.7	5.8	-0.7	0.5	1.3	1.6	2.5	2.4	1.9	2.3
Unit labor costs .....	8.1	5.0	2.3	3.3	-1.8	1.8	8.7	8.7	6.3	4.7	2.2	1.4
Unit nonlabor payments .....	-0.1	-2.0	3.2	10.5	15.0	3.9	2.7	-2.6	-2.0	2.8	6.5	8.1
Implicit price deflator .....	5.5	2.7	2.6	5.5	3.3	2.5	6.7	4.9	3.5	4.1	3.5	3.5
<b>NONFARM BUSINESS SECTOR:</b>												
Output per hour of all persons .....	-0.4	2.3	1.3	3.7	6.6	3.1	-0.3	-0.6	0.8	1.7	3.4	3.6
Output .....	0.8	-0.6	-4.1	4.9	13.2	9.8	-2.5	-3.6	-2.6	0.2	3.1	5.7
Hours .....	1.2	-2.9	-5.3	1.2	6.2	6.5	-2.2	-3.0	-3.4	-1.5	-0.3	2.0
Compensation per hour .....	5.8	7.2	5.8	6.8	4.3	4.2	8.2	7.6	7.2	6.4	6.0	5.3
Real compensation per hour .....	0.5	-0.6	3.7	7.2	0.1	-0.5	1.3	1.7	2.6	2.7	2.6	2.6
Unit labor costs .....	6.2	4.7	4.4	3.0	-2.1	1.1	8.5	8.3	6.3	4.6	2.5	1.6
Unit nonlabor payments .....	3.7	-3.4	2.0	10.6	15.7	5.6	4.2	-1.3	-1.6	3.1	6.0	8.4
Implicit price deflator .....	5.4	2.2	3.7	5.3	3.2	2.5	7.1	5.2	3.7	4.1	3.6	3.7
<b>MANUFACTURING:</b>												
Output per hour of all persons .....	0.8	9.6	1.2	8.0	9.0	11.6	-0.1	1.6	3.5	4.8	6.9	7.4
Output .....	-2.9	0.0	-9.0	12.7	21.2	22.7	-7.7	-8.0	-5.9	-0.1	5.6	11.1
Hours .....	-3.7	-8.7	-10.0	4.3	11.1	10.0	-7.6	-9.4	-9.1	-4.7	-1.2	3.5
Compensation per hour .....	5.1	6.5	4.5	10.7	2.1	2.6	8.8	8.6	7.3	6.7	5.9	4.9
Real compensation per hour .....	-0.2	-1.2	2.5	11.1	-2.1	-2.1	1.9	2.6	2.7	3.0	2.5	2.2
Unit labor costs .....	4.3	-2.8	3.3	2.5	-6.4	-8.1	8.9	6.9	3.6	1.8	-0.9	-2.3
<b>DURABLE GOODS</b>												
Output per hour of all persons .....	1.8	10.4	1.4	8.7	10.3	11.3	-0.5	1.5	3.4	5.5	7.6	7.9
Output .....	-4.0	-2.5	-14.2	15.5	24.0	26.5	-9.7	-10.3	-9.0	-1.9	4.6	11.7
Hours .....	-5.7	-11.7	-15.4	6.3	12.4	13.6	-9.2	-11.6	-12.0	-7.0	-2.8	3.5
Compensation per hour .....	5.4	7.4	3.8	11.3	1.6	2.6	8.5	8.6	6.9	7.0	6.0	4.8
Real compensation per hour .....	0.1	-0.4	1.8	11.8	-2.5	-2.1	1.6	2.6	2.3	3.2	2.5	2.1
Unit labor costs .....	3.5	-2.7	2.4	2.4	-7.9	-7.8	9.1	7.0	3.4	1.4	-1.5	-2.9
<b>NONDURABLE GOODS</b>												
Output per hour of all persons .....	-0.7	8.4	0.7	7.1	7.3	12.1	0.5	1.6	3.7	3.8	5.8	6.7
Output .....	-1.4	3.8	-1.2	8.8	17.3	17.6	-4.7	-4.4	-1.3	2.4	7.0	10.3
Hours .....	-0.6	-4.2	-1.9	1.7	9.3	4.9	-5.2	-6.0	-4.8	-1.3	1.1	3.4
Compensation per hour .....	5.2	6.0	7.3	9.2	2.5	1.6	9.9	9.4	8.8	6.9	6.2	5.1
Real compensation per hour .....	-0.1	-1.7	5.2	9.6	-1.6	-3.0	2.8	3.4	4.1	3.2	2.8	2.4
Unit labor costs .....	6.0	-2.2	6.6	2.0	-4.5	-9.3	9.3	7.6	4.9	3.0	0.4	-1.5
<b>NONFINANCIAL CORPORATIONS:</b>												
Output per all-employee hour .....	-0.5	3.8	0.6	3.4	6.5	p5.2	0.1	0.2	1.2	1.8	3.6	p3.9
Output .....	-1.8	-0.5	-6.0	4.6	14.6	p11.3	-3.2	-4.3	-3.7	-1.0	2.9	p5.8
Hours .....	-1.2	-4.1	-6.5	1.2	7.6	p5.7	-3.3	-4.5	-4.8	-2.7	-0.6	p1.9
Compensation per hour .....	5.4	6.4	5.4	6.0	2.9	p3.9	8.2	7.6	7.0	5.8	5.2	p4.5
Real compensation per hour .....	0.1	-1.3	3.4	6.4	-1.2	p-0.8	1.3	1.7	2.4	2.1	1.7	p1.9
Total unit costs .....	6.0	1.8	6.7	1.0	-3.5	p-2.4	8.5	7.1	5.8	3.8	1.4	p0.4
Unit labor costs .....	6.0	2.4	4.8	2.5	-3.4	p-1.3	8.1	7.4	5.7	3.9	1.5	p0.6
Unit nonlabor costs .....	6.0	0.1	11.9	-2.8	-3.8	p-5.2	9.7	6.2	6.0	3.7	1.2	p-0.2
Unit profits .....	-2.1	3.8	-31.4	79.9	104.7	p70.7	-9.9	-16.1	-20.3	5.8	27.3	p44.1
Implicit price deflator .....	5.4	1.9	3.6	5.1	2.5	p2.9	7.0	5.0	3.6	4.0	3.3	p3.5

p=preliminary.  
r=revised.











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

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P	NOV. 1982	OCT. 1983	NOV. 1983P
<b>VIRGIN ISLANDS</b> .....	445.15	429.31	480.41	43.9	41.6	44.4	10.14	10.32	10.82

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

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

NOTE: All State and area data have been adjusted to March 1982 benchmarks except Wisconsin. Data for Idaho have been adjusted to March 1983 benchmarks.

SOURCE: Cooperating State agencies listed on inside back cover.



# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
	Nov. 1982	Oct. 1983	Nov. 1983P	Number			Percent of labor force		
				Nov. 1982	Oct. 1983	Nov. 1983P	Nov. 1982	Oct. 1983	Nov. 1983P
<b>GEORGIA</b> .....	2,679.7	2,696.2	2,689.4	213.1	192.8	186.0	8.0	7.2	6.9
Albany.....	52.8	53.0	52.7	4.7	5.3	5.1	9.0	10.0	9.7
Athens.....	66.7	67.6	67.6	4.6	4.1	3.9	6.8	6.0	5.8
Atlanta.....	1,110.0	1,109.3	1,118.2	72.7	68.8	65.6	6.5	6.2	5.9
Augusta.....	138.8	133.9	135.2	13.8	12.1	12.0	10.0	9.0	8.8
Columbus <sup>1</sup> .....	89.2	87.6	88.3	8.7	7.5	7.4	9.8	8.5	8.4
Macon.....	108.7	108.1	108.7	8.0	8.4	8.2	7.4	7.8	7.6
Savannah.....	98.7	97.7	97.9	8.6	8.3	8.0	8.7	8.5	8.2
<b>HAWAII</b> .....	460.0	465.0	468.8	32.3	27.7	28.5	7.0	5.9	6.1
Honolulu.....	351.6	356.2	360.5	22.3	19.5	20.3	6.3	5.5	5.6
<b>IDAHO</b> .....	433.1	452.7	441.5	40.2	30.4	33.0	9.3	6.7	7.5
Boise City.....	90.6	93.6	95.2	6.8	5.5	5.6	7.5	5.9	5.9
<b>ILLINOIS<sup>2</sup></b> .....	5,539.9	5,501.3	5,543.5	701.7	514.5	513.3	12.7	9.4	9.3
Bloomington—Normal.....	62.4	63.7	63.2	5.2	4.0	3.9	8.4	6.2	6.2
Champaign—Urbana—Rantoul.....	84.9	87.7	89.1	5.3	4.6	5.0	6.2	5.3	5.6
Chicago.....	3,457.1	3,424.8	3,462.4	397.3	297.4	290.7	11.5	8.7	8.4
Davenport—Rock Island—Moline <sup>1</sup> .....	193.4	185.8	187.7	32.6	21.9	22.5	16.8	11.8	12.0
Decatur.....	64.6	61.8	62.2	11.8	6.9	7.1	18.3	11.2	11.3
Kankakee.....	40.7	40.1	40.0	7.7	5.5	5.6	18.9	13.7	14.0
Peoria.....	176.2	166.8	166.8	31.6	22.0	21.6	18.0	13.2	12.9
Rockford.....	135.4	131.5	132.5	27.9	14.5	18.5	20.6	11.0	14.0
Springfield.....	99.6	100.4	100.8	9.5	6.7	6.8	9.5	6.7	6.7
<b>INDIANA</b> .....	2,588.0	2,578.9	2,591.6	332.1	240.8	258.0	12.8	9.3	10.0
Anderson.....	54.4	54.3	55.0	9.3	4.9	5.1	17.1	9.0	9.3
Elkhart.....	68.4	75.9	76.0	7.4	5.3	5.6	10.8	7.0	7.3
Evansville <sup>1</sup> .....	147.3	149.3	149.9	15.7	13.4	14.1	10.7	9.0	9.4
Fort Wayne.....	187.0	182.8	183.3	23.1	18.6	19.3	12.4	10.2	10.6
Gary—Hammond—East Chicago.....	288.3	275.2	276.1	52.9	37.9	39.9	18.3	13.8	14.5
Indianapolis.....	603.9	604.3	610.2	62.6	51.6	55.2	10.4	8.5	9.0
Lafayette—West Lafayette.....	64.3	65.1	65.8	4.9	4.0	4.5	7.6	6.1	6.9
Muncie.....	55.9	55.5	55.8	8.7	5.5	5.6	15.7	9.9	10.1
South Bend.....	138.6	140.1	140.5	13.8	10.4	11.3	10.0	7.4	8.0
Terre Haute.....	79.7	80.0	80.5	8.8	8.6	9.1	11.1	10.7	11.3
<b>IOWA</b> .....	1,407.4	1,419.0	1,413.9	119.3	81.9	86.0	8.5	5.8	6.1
Cedar Rapids.....	84.5	80.6	81.8	8.2	5.5	5.6	9.7	6.8	6.9
Des Moines.....	183.4	180.3	182.4	14.3	10.0	10.5	7.8	5.5	5.7
Dubuque.....	42.7	43.0	42.8	6.2	3.6	3.3	14.4	8.4	7.8
Sioux City <sup>1</sup> .....	54.4	54.1	54.8	4.1	3.0	3.4	7.5	5.5	6.1
Waterloo—Cedar Falls.....	66.6	63.6	64.2	7.9	6.4	6.6	11.9	10.1	10.3
<b>KANSAS</b> .....	1,173.8	1,184.7	1,174.1	80.7	55.9	56.5	6.9	4.7	4.8
Lawrence.....	33.9	34.3	34.0	1.5	1.4	1.4	4.5	4.0	4.1
Topeka.....	93.6	94.5	94.5	6.7	5.6	5.6	7.2	5.9	5.9
Wichita.....	223.3	221.9	221.9	21.3	12.5	12.3	9.5	5.6	5.6
<b>KENTUCKY</b> .....	1,693.9	1,675.0	1,681.3	183.9	170.7	172.7	10.9	10.2	10.3
Lexington—Fayette.....	183.5	181.1	180.2	9.8	9.1	9.3	5.4	5.0	5.2
Louisville <sup>1</sup> .....	432.7	417.1	422.5	52.4	41.2	41.1	12.1	9.9	9.7
Owensboro.....	43.5	43.0	43.3	3.8	3.5	3.4	8.7	8.1	7.8
<b>LOUISIANA</b> .....	1,874.7	1,933.9	1,920.8	220.3	213.9	204.6	11.8	11.1	10.6
Alexandria.....	74.9	78.3	77.8	8.9	7.9	7.6	11.9	10.1	9.8
Baton Rouge.....	234.0	243.5	244.7	23.6	22.6	21.4	10.1	9.3	8.8
Lafayette.....	102.1	103.2	102.7	6.8	8.2	7.7	6.6	8.0	7.5
Lake Charles.....	75.4	77.4	76.9	11.7	11.5	11.5	15.5	14.9	14.9
Monroe.....	58.5	58.3	58.2	7.3	6.4	6.1	12.4	11.0	10.5
New Orleans.....	518.1	526.4	529.7	54.8	52.6	50.8	10.6	10.0	9.6
Shreveport.....	164.8	169.5	168.2	19.7	18.2	17.2	12.0	10.7	10.2
<b>MAINE</b> .....	507.0	529.9	516.3	39.3	39.1	39.0	7.8	7.4	7.6
Lewiston—Auburn.....	37.8	39.0	38.5	3.0	3.0	2.9	7.9	7.6	7.6
Portland.....	95.5	100.7	99.6	5.6	5.8	5.4	5.8	5.7	5.4
<b>MARYLAND</b> .....	2,168.3	2,259.4	2,269.6	178.6	138.6	139.6	8.2	6.1	6.2
Baltimore.....	1,071.0	1,104.1	1,110.3	103.5	79.1	78.2	9.7	7.2	7.0

See footnotes at end of table.

# STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Civilian labor force			Unemployment					
				Number			Percent of labor force		
	Nov. 1982	Oct. 1983	Nov. 1983P	Nov. 1982	Oct. 1983	Nov. 1983P	Nov. 1982	Oct. 1983	Nov. 1983P
<b>MASSACHUSETTS<sup>1</sup></b> .....	3,027.5	3,033.2	3,064.5	195.3	195.2	170.9	6.5	6.4	5.6
Boston .....	1,476.0	1,479.2	1,500.7	80.1	83.3	70.2	5.4	5.6	4.7
Brockton .....	81.9	82.6	83.3	5.9	6.3	5.4	7.2	7.6	6.5
Fall River <sup>1</sup> .....	76.6	75.0	75.5	7.0	7.0	6.3	9.1	9.3	8.4
Lawrence—Haverhill <sup>1</sup> .....	149.0	150.8	151.5	12.2	10.6	9.5	8.2	7.0	6.3
Lowell .....	135.0	137.5	140.0	7.7	7.7	6.4	5.7	5.6	4.5
New Bedford .....	84.1	86.7	87.1	7.7	8.0	7.3	9.1	9.2	8.3
Springfield—Chicopee—Holyoke .....	291.7	289.5	293.6	17.9	18.4	16.4	6.1	6.4	5.6
Worcester .....	205.2	199.9	201.1	15.9	13.3	11.2	7.7	6.7	5.6
<b>MICHIGAN<sup>2</sup></b> .....	4,233.1	4,229.5	4,165.2	694.2	527.6	487.5	16.4	12.5	11.7
Ann Arbor .....	139.0	145.5	N.A.	16.6	11.5	N.A.	12.0	7.9	N.A.
Battle Creek .....	80.9	80.8	N.A.	13.3	10.5	N.A.	16.4	13.0	N.A.
Bay City .....	52.4	52.0	N.A.	8.9	7.2	N.A.	17.0	13.9	N.A.
Benton Harbor .....	69.1	69.2	N.A.	11.3	9.7	N.A.	16.4	14.0	N.A.
Detroit .....	1,971.6	1,946.1	N.A.	340.0	255.8	N.A.	17.2	13.1	N.A.
Flint .....	225.9	221.4	N.A.	52.4	31.6	N.A.	23.2	14.3	N.A.
Grand Rapids .....	322.3	327.2	N.A.	38.2	33.2	N.A.	11.9	10.1	N.A.
Jackson .....	64.0	63.1	N.A.	10.9	9.2	N.A.	17.0	14.5	N.A.
Kalamazoo—Portage .....	135.5	135.4	N.A.	15.7	13.3	N.A.	11.6	9.9	N.A.
Lansing—East Lansing .....	237.8	243.0	N.A.	26.8	21.0	N.A.	11.3	8.7	N.A.
Muskegon—Norton Shores—Muskegon Heights .....	77.5	76.7	N.A.	14.3	11.0	N.A.	18.5	14.3	N.A.
Saginaw .....	97.0	97.5	N.A.	16.6	11.5	N.A.	17.1	11.8	N.A.
<b>MINNESOTA</b> .....	2,146.0	2,230.9	2,223.3	170.4	141.8	150.8	7.9	6.4	6.8
Duluth—Superior <sup>1</sup> .....	116.8	109.9	109.8	22.1	17.6	17.6	18.9	16.1	16.0
Minneapolis—St. Paul .....	1,167.9	1,210.7	1,216.5	78.7	65.5	65.9	6.7	5.4	5.4
Rochester .....	58.1	61.7	62.3	3.2	2.8	3.0	5.4	4.6	4.8
St. Cloud .....	75.4	80.3	80.7	6.2	5.4	7.5	8.2	6.7	9.3
<b>MISSISSIPPI</b> .....	1,057.5	1,065.6	1,042.8	118.9	117.9	108.9	11.2	11.1	10.4
Jackson .....	161.9	159.5	158.1	12.5	11.7	10.7	7.7	7.3	6.8
<b>MISSOURI<sup>1</sup></b> .....	2,304.3	2,342.2	2,317.1	214.4	197.6	200.9	9.3	8.4	8.7
Kansas City <sup>1</sup> .....	667.6	670.2	670.1	55.4	45.7	45.2	8.3	6.8	6.7
St. Joseph .....	45.4	45.5	45.4	4.3	4.0	4.3	9.5	8.8	9.4
St. Louis <sup>1</sup> .....	1,119.7	1,131.4	1,131.6	114.3	105.4	105.2	10.2	9.3	9.3
Springfield .....	111.0	114.8	114.7	8.9	7.5	7.7	8.0	6.5	6.8
<b>MONTANA</b> .....	389.8	390.7	392.2	33.9	27.9	32.3	8.7	7.1	8.2
<b>NEBRASKA</b> .....	780.5	782.4	775.7	48.2	36.4	37.4	6.2	4.7	4.8
Lincoln .....	110.5	108.4	108.5	5.5	4.0	4.1	5.0	3.7	3.7
Omaha <sup>1</sup> .....	285.7	284.4	284.6	20.2	14.9	15.2	7.1	5.2	5.4
<b>NEVADA</b> .....	489.4	496.9	495.8	52.2	41.2	41.0	10.7	8.3	8.3
Las Vegas .....	274.5	279.0	279.3	31.5	25.8	25.3	11.5	9.2	9.0
Reno .....	133.8	135.3	135.0	11.3	8.5	8.9	8.4	6.3	6.6
<b>NEW HAMPSHIRE</b> .....	485.9	505.8	509.0	35.8	19.6	22.5	7.4	3.9	4.4
Manchester .....	85.7	88.9	89.4	5.8	3.3	3.3	6.7	3.8	3.7
Nashua .....	84.9	90.6	91.7	4.8	2.8	3.1	5.6	3.1	3.3
<b>NEW JERSEY</b> .....	3,672.3	3,650.5	3,686.7	345.0	217.8	243.0	9.4	6.0	6.6
Atlantic City .....	122.7	123.7	123.8	13.3	8.3	8.9	10.8	6.7	7.2
Jersey City .....	246.2	239.0	242.0	34.8	22.1	24.2	14.1	9.2	10.0
Long Branch—Asbury Park .....	250.5	254.7	256.8	21.0	13.8	16.5	8.4	5.4	6.4
New Brunswick—Perth Amboy—Sayreville .....	342.2	336.4	340.8	30.9	17.6	19.4	9.0	5.2	5.7
Newark .....	994.7	984.5	996.0	89.6	55.4	60.9	9.0	5.6	6.1
Paterson—Clifton—Passaic .....	215.5	217.9	221.3	23.9	16.5	18.3	11.1	7.6	8.3
Trenton .....	160.5	159.0	160.1	13.9	7.8	8.3	8.7	4.9	5.2
Vineland—Millville—Bridgeton .....	57.7	55.7	56.6	9.2	6.4	7.6	16.0	11.5	13.4
<b>NEW MEXICO</b> .....	600.4	603.0	600.7	59.3	55.7	54.1	9.9	9.2	9.0
Albuquerque .....	222.4	225.2	227.3	19.2	18.7	18.4	8.6	8.3	8.1
Las Cruces .....	38.9	42.1	41.8	3.7	3.8	3.6	9.6	8.9	8.6

See footnotes at end of table.







# Annual Averages















**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**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	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	172,271	174,215	73,644	74,872	82,864	84,069	15,763	15,274
Civilian labor force .....	110,204	111,550	57,980	58,744	43,699	44,636	8,526	8,171
Percent of population .....	64.0	64.0	78.7	78.5	52.7	53.1	54.1	53.5
Employed .....	99,526	100,834	52,891	53,487	40,086	41,004	6,549	6,342
Agriculture .....	3,401	3,383	2,422	2,429	601	620	378	334
Nonagricultural industries .....	96,125	97,450	50,469	51,058	39,485	40,384	6,171	6,008
Unemployed .....	10,678	10,717	5,089	5,257	3,613	3,632	1,977	1,829
Unemployment rate .....	9.7	9.6	8.8	8.9	8.3	8.1	23.2	22.4
Not in labor force .....	62,067	62,665	15,664	16,129	39,165	39,433	7,238	7,104
<b>White</b>								
Civilian noninstitutional population .....	149,441	150,805	64,655	65,581	71,711	72,601	13,076	12,623
Civilian labor force .....	96,143	97,021	51,200	51,716	37,425	38,119	7,518	7,186
Percent of population .....	64.3	64.3	79.2	78.9	52.2	52.5	57.5	56.9
Employed .....	87,903	88,893	47,209	47,618	34,710	35,476	5,984	5,799
Agriculture .....	3,142	3,119	2,218	2,225	565	580	358	314
Nonagricultural industries .....	84,761	85,774	44,990	45,393	34,144	34,896	5,626	5,485
Unemployed .....	8,241	8,128	3,991	4,098	2,715	2,643	1,534	1,387
Unemployment rate .....	8.6	8.4	7.8	7.9	7.3	6.9	20.4	19.3
Not in labor force .....	53,298	53,784	13,455	13,865	34,286	34,482	5,557	5,436
<b>Black</b>								
Civilian noninstitutional population .....	18,564	18,925	7,186	7,360	9,146	9,340	2,252	2,225
Civilian labor force .....	11,331	11,647	5,368	5,533	5,140	5,306	824	809
Percent of population .....	61.0	61.5	74.7	75.2	56.2	56.8	36.6	36.4
Employed .....	9,189	9,375	4,414	4,531	4,347	4,428	428	418
Agriculture .....	188	193	150	152	21	25	16	16
Nonagricultural industries .....	9,001	9,182	4,264	4,379	4,326	4,403	412	400
Unemployed .....	2,142	2,272	854	1,002	793	878	396	392
Unemployment rate .....	18.9	19.5	17.8	18.1	15.4	16.5	48.0	48.5
Not in labor force .....	7,254	7,278	1,819	1,828	4,006	4,034	1,429	1,416

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

(Numbers in thousands)

Employment status and major activity	1983								
	Total			White			Black		
	Both sexes	Men	Women	Both sexes	Men	Women	Both sexes	Men	Women
<b>TOTAL</b>									
Civilian noninstitutional population .....	23,354	11,592	11,762	19,376	9,646	9,731	3,324	1,597	1,727
Civilian labor force .....	14,119	7,431	6,688	12,284	6,435	5,849	1,522	815	707
Percent of population .....	60.5	64.1	56.9	63.4	66.7	60.1	45.8	51.0	40.9
Employed .....	11,324	5,866	5,458	10,214	5,266	4,947	872	465	407
Agriculture .....	509	417	92	473	368	85	29	23	6
Nonagricultural industries .....	10,815	5,450	5,366	9,741	4,878	4,863	843	442	401
Unemployed .....	2,795	1,565	1,230	2,071	1,169	902	649	349	300
Looking for full-time work .....	1,871	1,093	777	1,333	791	541	492	272	220
Looking for part-time work .....	924	471	453	738	377	361	157	78	80
Percent of labor force .....	19.8	21.1	18.4	16.9	18.2	15.4	42.7	42.8	42.4
Not in labor force .....	9,235	4,161	5,074	7,092	3,211	3,881	1,803	782	1,020
<b>Major activity: Going to school</b>									
Civilian noninstitutional population .....	9,702	4,932	4,769	7,913	4,046	3,866	1,455	705	750
Civilian labor force .....	3,371	1,713	1,658	3,018	1,534	1,484	273	138	137
Percent of population .....	34.7	34.7	34.8	38.1	37.9	38.4	18.8	19.3	18.2
Employed .....	2,607	1,297	1,311	2,415	1,202	1,213	136	66	71
Agriculture .....	95	81	14	92	78	14	2	2	-
Nonagricultural industries .....	2,513	1,216	1,296	2,323	1,124	1,199	134	63	71
Unemployed .....	764	416	347	603	332	271	137	71	66
Looking for full-time work .....	121	71	50	85	50	34	34	19	15
Looking for part-time work .....	642	345	297	519	282	237	103	51	51
Percent of labor force .....	22.6	24.3	21.0	20.0	21.7	18.3	50.1	52.2	48.2
Not in labor force .....	6,331	3,219	3,111	4,894	2,512	2,382	1,182	589	813
<b>Major activity: Other</b>									
Civilian noninstitutional population .....	13,652	8,880	6,992	11,464	5,599	5,864	1,869	892	977
Civilian labor force .....	10,748	5,718	5,030	9,266	4,901	4,365	1,248	679	570
Percent of population .....	78.7	85.9	71.9	80.8	87.5	74.4	66.8	76.0	58.3
Employed .....	8,717	4,569	4,147	7,799	4,064	3,735	736	400	336
Agriculture .....	414	336	78	381	310	71	27	22	5
Nonagricultural industries .....	8,303	4,233	4,069	7,418	3,755	3,664	709	379	330
Unemployed .....	2,031	1,149	882	1,467	837	631	513	279	234
Looking for full-time work .....	1,749	1,022	727	1,248	741	507	458	253	208
Looking for part-time work .....	282	127	155	219	98	124	54	26	28
Percent of labor force .....	18.9	20.1	17.5	15.8	17.1	14.4	41.1	41.1	41.1
Not in labor force .....	2,904	941	1,963	2,198	698	1,499	821	214	407

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Sex, age, and race	1983								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time <sup>1</sup>	Unemployed (looking for part-time work)	
		Full-time schedules <sup>1</sup>	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
<b>TOTAL</b>									
Total, 16 years and over .....	95,736	80,395	6,266	9,075	9.5	15,814	14,172	1,642	10.4
16 to 19 years .....	4,247	2,250	948	1,051	24.7	3,924	3,146	778	19.8
16 to 17 years .....	875	364	269	242	27.6	2,198	1,687	511	23.2
18 to 19 years .....	3,372	1,886	677	809	24.0	1,728	1,459	267	15.5
20 years and over .....	91,490	78,145	5,320	8,024	8.8	11,890	11,026	864	7.3
20 to 24 years .....	13,859	10,271	1,339	2,049	15.0	2,393	2,112	281	11.7
25 years and over .....	77,830	67,875	3,981	5,975	7.7	9,496	8,914	583	6.1
25 to 54 years .....	65,778	57,128	3,324	5,326	8.1	6,516	6,076	440	6.8
55 years and over .....	12,052	10,747	657	648	5.4	2,980	2,838	143	4.8
<b>Men, 16 years and over .....</b>									
Men, 16 years and over .....	58,016	49,470	2,966	5,581	9.6	5,031	4,352	679	13.5
16 to 19 years .....	2,381	1,302	480	599	25.1	1,922	1,518	405	21.1
20 years and over .....	55,636	48,167	2,486	4,982	9.0	3,108	2,834	274	8.8
20 to 24 years .....	7,628	5,713	666	1,250	16.4	973	854	119	12.2
25 years and over .....	48,008	42,456	1,820	3,733	7.8	2,136	1,981	155	7.3
25 to 54 years .....	40,256	35,452	1,510	3,295	8.2	925	838	87	9.4
55 years and over .....	7,751	7,003	310	438	5.7	1,211	1,143	68	5.6
<b>Women, 16 years and over .....</b>									
Women, 16 years and over .....	37,720	30,925	3,300	3,494	9.3	10,783	9,821	963	8.9
16 to 19 years .....	1,866	948	466	452	24.2	2,002	1,629	373	18.6
20 years and over .....	35,854	29,978	2,834	3,042	8.5	8,782	8,192	589	6.7
20 to 24 years .....	6,031	4,558	673	800	13.3	1,420	1,259	162	11.4
25 years and over .....	29,823	25,419	2,161	2,242	7.5	7,361	6,933	428	5.8
25 to 54 years .....	25,522	21,675	1,814	2,031	8.0	5,591	5,238	353	6.3
55 years and over .....	4,301	3,744	347	210	4.9	1,770	1,695	75	4.2
<b>White</b>									
<b>Men, 16 years and over .....</b>									
Men, 16 years and over .....	51,004	44,235	2,447	4,322	8.5	4,476	3,939	537	12.0
16 to 19 years .....	2,044	1,191	417	436	21.3	1,720	1,395	325	18.9
20 years and over .....	48,960	43,044	2,030	3,886	7.9	2,756	2,544	212	7.7
20 to 24 years .....	6,550	5,094	532	924	14.1	856	760	96	11.2
25 years and over .....	42,411	37,950	1,498	2,962	7.0	1,900	1,785	116	6.1
25 to 54 years .....	35,381	31,546	1,236	2,597	7.3	792	728	65	8.2
55 years and over .....	7,030	6,404	261	365	5.2	1,108	1,057	51	4.6
<b>Women, 16 years and over .....</b>									
Women, 16 years and over .....	31,717	26,515	2,727	2,474	7.8	9,824	9,029	795	8.1
16 to 19 years .....	1,616	877	412	327	20.2	1,807	1,507	300	16.6
20 years and over .....	30,101	25,638	2,315	2,148	7.1	8,018	7,522	496	6.2
20 to 24 years .....	5,155	4,057	563	534	10.4	1,255	1,131	124	9.9
25 years and over .....	24,946	21,581	1,752	1,613	6.5	6,763	6,391	371	5.5
25 to 54 years .....	21,185	18,268	1,472	1,445	6.8	5,165	4,858	305	5.9
55 years and over .....	3,761	3,313	280	168	4.5	1,598	1,533	65	4.1
<b>Black</b>									
<b>Men, 16 years and over .....</b>									
Men, 16 years and over .....	5,554	4,019	440	1,096	19.7	412	294	117	28.5
16 to 19 years .....	280	85	51	144	51.4	153	86	67	44.0
20 years and over .....	5,274	3,934	389	952	18.0	259	209	50	19.3
20 to 24 years .....	915	502	117	295	32.2	82	64	18	22.0
25 years and over .....	4,360	3,431	271	656	15.0	177	145	32	18.1
25 to 54 years .....	3,788	2,960	228	598	15.8	94	77	17	18.1
55 years and over .....	572	471	43	58	10.1	83	68	15	18.1
<b>Women, 16 years and over .....</b>									
Women, 16 years and over .....	4,945	3,534	490	921	18.6	736	598	138	18.8
16 to 19 years .....	220	56	47	117	53.1	155	91	64	41.3
20 years and over .....	4,725	3,478	443	804	17.0	581	507	74	12.8
20 to 24 years .....	753	407	99	247	32.8	121	90	31	25.8
25 years and over .....	3,972	3,071	343	535	13.5	461	417	42	9.1
25 to 54 years .....	3,522	2,715	285	521	14.8	309	273	35	11.3
55 years and over .....	450	356	58	14	3.0	152	144	7	4.6

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

8. Employment status of the civilian noninstitutional population by family relationship

(Numbers in thousands)

Family relationship	1983									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over .....	111,550	64.0	100,834	10,717	9.6	62,665	32,059	8,052	2,514	20,041
Husbands .....	39,532	79.4	37,040	2,492	6.3	10,241	148	196	882	9,014
With employed wife .....	22,191	91.6	20,916	1,275	5.7	2,023	53	107	290	1,573
With unemployed wife .....	1,635	92.3	1,334	301	18.4	136	1	5	27	102
With wife not in labor force .....	15,706	66.0	14,790	916	5.8	8,082	94	84	566	7,339
Wives .....	25,984	52.2	24,213	1,771	6.8	23,788	20,954	326	272	2,236
With employed husband .....	22,250	60.1	20,916	1,334	6.0	14,790	13,547	272	80	891
With unemployed husband .....	1,576	63.2	1,275	301	19.1	916	847	15	11	44
With husband not in labor force .....	2,158	21.1	2,023	136	6.3	8,082	6,560	40	181	1,301
Relatives in married-couple families .....	14,141	63.0	11,660	2,481	17.5	8,293	963	5,019	285	2,026
16 to 19 years .....	5,578	54.0	4,476	1,101	19.7	4,751	156	3,751	13	830
20 to 24 years .....	5,599	76.6	4,705	894	16.0	1,712	185	1,129	31	368
25 years and over .....	2,964	43.6	2,479	486	16.4	1,830	622	139	241	828
Women who maintain families .....	5,796	59.5	5,090	706	12.2	3,945	3,017	144	145	640
Relatives in families maintained by women .....	5,105	58.7	3,864	1,241	24.3	3,597	834	1,387	250	1,126
16 to 19 years .....	1,403	47.9	936	467	33.3	1,528	108	1,081	8	331
20 to 24 years .....	1,620	73.5	1,209	411	25.4	583	142	251	16	176
25 years and over .....	2,082	58.4	1,719	363	17.4	1,486	584	55	226	619
Men who maintain families .....	1,884	75.7	1,690	194	10.3	604	32	36	62	475
Relatives in families maintained by men .....	1,581	60.2	1,292	289	18.3	1,044	421	289	55	279
16 to 19 years .....	314	53.3	230	84	26.7	276	29	202	-	45
20 to 24 years .....	465	76.3	377	88	19.0	144	41	65	1	38
25 years and over .....	802	56.2	685	117	14.6	624	351	22	54	196
Persons living alone .....	10,425	53.2	9,679	746	7.2	9,174	4,973	201	446	3,554
Men .....	5,534	72.1	5,030	505	9.1	2,144	136	118	177	1,713
Women .....	4,891	41.0	4,650	241	4.9	7,030	4,837	83	269	1,841
All others <sup>1</sup> .....	7,102	78.2	6,306	797	11.2	1,979	717	454	117	691

<sup>1</sup> The majority of these persons are living with nonrelatives. Also included are persons in married-couple families where the husband is in

the Armed Forces, persons in secondary families, and some whose family status is unknown.

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**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	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	6,179	6,260	9.9	9.9	4,499	4,457	9.4	9.2
Married, spouse present .....	2,632	2,634	6.5	6.5	1,916	1,865	7.4	7.0
Widowed, divorced, or separated .....	895	752	12.4	13.0	886	929	9.5	9.9
Single (never married) .....	2,853	2,874	17.7	17.3	1,694	1,663	13.6	13.1
White, 16 years and over .....	4,846	4,859	8.8	8.8	3,395	3,270	8.3	7.9
Married, spouse present .....	2,209	2,215	6.0	6.0	1,609	1,567	7.0	6.6
Widowed, divorced, or separated .....	522	560	11.3	11.7	653	642	8.7	8.5
Single (never married) .....	2,114	2,084	15.4	14.8	1,134	1,061	11.0	10.2
Black, 16 years and over .....	1,167	1,213	20.1	20.3	975	1,059	17.6	18.6
Married, spouse present .....	340	336	11.5	11.3	241	237	11.4	11.1
Widowed, divorced, or separated .....	159	171	18.2	19.3	214	259	13.3	15.9
Single (never married) .....	668	706	33.8	33.3	520	562	28.7	29.3
Total, 25 years and over .....	3,682	3,888	7.5	7.8	2,827	2,670	7.3	7.2
Married, spouse present .....	2,307	2,365	6.1	6.2	1,516	1,500	6.6	6.3
Widowed, divorced, or separated .....	633	694	11.9	12.6	769	808	8.8	9.1
Single (never married) .....	743	830	12.3	12.9	342	363	7.7	7.8
White, 25 years and over .....	2,925	3,078	6.7	6.9	2,011	1,984	6.5	6.3
Married, spouse present .....	1,928	1,973	5.6	5.7	1,266	1,258	6.2	6.0
Widowed, divorced, or separated .....	488	509	10.7	11.2	561	549	8.0	7.8
Single (never married) .....	529	596	10.5	11.1	185	176	5.3	4.9
Black, 25 years and over .....	650	689	14.8	15.2	531	600	12.5	13.5
Married, spouse present .....	303	315	11.0	11.2	192	190	10.1	9.7
Widowed, divorced, or separated .....	152	163	18.0	19.0	194	235	12.6	15.0
Single (never married) .....	194	211	24.1	24.4	146	175	17.7	19.3

10. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	10,678	10,717	9.7	9.6	9.9	9.9	9.4	9.2
Managerial and professional specialty .....	789	795	3.3	3.3	( <sup>1</sup> )	3.0	( <sup>1</sup> )	3.6
Executive, administrative, and managerial .....	398	396	3.6	3.5	( <sup>1</sup> )	3.1	( <sup>1</sup> )	4.5
Professional specialty .....	391	399	3.0	3.0	( <sup>1</sup> )	2.9	( <sup>1</sup> )	3.1
Technical, sales, and administrative support .....	2,014	2,116	6.1	6.3	( <sup>1</sup> )	5.4	( <sup>1</sup> )	6.8
Technicians and related support .....	135	152	4.3	4.7	( <sup>1</sup> )	5.3	( <sup>1</sup> )	4.1
Sales occupations .....	743	850	6.2	6.7	( <sup>1</sup> )	4.7	( <sup>1</sup> )	8.8
Administrative support, including clerical .....	1,136	1,114	6.4	6.4	( <sup>1</sup> )	6.8	( <sup>1</sup> )	6.3
Service occupations .....	1,628	1,697	10.8	10.9	( <sup>1</sup> )	11.1	( <sup>1</sup> )	10.8
Private household .....	69	79	6.2	7.4	( <sup>1</sup> )	8.5	( <sup>1</sup> )	7.4
Protective service .....	116	120	6.7	6.7	( <sup>1</sup> )	6.2	( <sup>1</sup> )	9.8
Service, except private household and protective .....	1,444	1,498	11.8	11.8	( <sup>1</sup> )	12.8	( <sup>1</sup> )	11.2
Precision production, craft, and repair .....	1,403	1,466	10.6	10.6	( <sup>1</sup> )	10.7	( <sup>1</sup> )	9.8
Mechanics and repairers .....	316	344	7.5	7.6	( <sup>1</sup> )	7.6	( <sup>1</sup> )	7.6
Construction trades .....	714	709	15.3	14.2	( <sup>1</sup> )	14.2	( <sup>1</sup> )	14.1
Other precision production, craft, and repair .....	372	412	8.7	9.6	( <sup>1</sup> )	9.6	( <sup>1</sup> )	9.7
Operators, fabricators, and laborers .....	3,314	2,955	16.7	15.5	( <sup>1</sup> )	15.5	( <sup>1</sup> )	15.5
Machine operators, assemblers, and inspectors .....	1,623	1,411	17.1	15.4	( <sup>1</sup> )	15.2	( <sup>1</sup> )	15.7
Transportation and material moving occupations .....	626	596	13.0	12.4	( <sup>1</sup> )	12.6	( <sup>1</sup> )	10.4
Handlers, equipment cleaners, helpers, and laborers .....	1,066	948	19.2	18.6	( <sup>1</sup> )	19.0	( <sup>1</sup> )	16.7
Construction laborers .....	220	207	28.2	25.8	( <sup>1</sup> )	25.5	( <sup>1</sup> )	( <sup>1</sup> )
Other handlers, equipment cleaners, helpers, and laborers .....	846	740	17.8	17.2	( <sup>1</sup> )	17.5	( <sup>1</sup> )	16.2
Farming, forestry, and fishing .....	349	407	8.5	9.9	( <sup>1</sup> )	9.6	( <sup>1</sup> )	11.5
No previous work experience .....	1,190	1,218	-	-	-	-	-	-
16 to 19 years .....	877	869	-	-	-	-	-	-
20 to 24 years .....	203	229	-	-	-	-	-	-
25 years and over .....	109	121	-	-	-	-	-	-

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

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

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**11. Unemployed persons by industry and sex**

Industry	Thousands of persons		Unemployment rates					
	Total		Total		Men		Women	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	10,678	10,717	9.7	9.6	9.9	9.9	9.4	9.2
Nonagricultural private wage and salary workers .....	8,216	8,101	10.1	9.9	10.7	10.5	9.4	9.1
Mining .....	154	182	13.4	17.0	14.9	18.5	5.2	9.3
Construction .....	1,031	1,005	20.0	18.4	20.5	19.0	13.8	12.2
Manufacturing .....	2,771	2,454	12.3	11.2	11.4	10.8	14.1	12.2
Durable goods .....	1,788	1,562	13.3	12.1	12.8	12.0	14.8	12.4
Lumber and wood products .....	114	104	17.2	15.0	16.8	14.4	19.5	18.7
Furniture and fixtures .....	80	65	15.2	12.2	14.1	11.4	17.8	14.1
Stone, clay, and glass products .....	80	68	13.2	11.2	12.2	11.1	16.5	11.6
Primary metal industries .....	227	200	19.8	20.0	19.7	20.1	20.1	19.5
Fabricated metal products .....	230	205	15.6	14.4	15.1	14.2	17.1	15.0
Machinery, except electrical .....	326	331	11.5	12.2	11.4	12.4	11.5	11.3
Electrical machinery, equipment, and supplies .....	243	205	9.6	8.9	7.4	7.0	12.6	11.4
Transportation equipment .....	331	262	15.3	10.9	14.2	10.8	20.0	11.3
Automobiles .....	215	144	20.2	12.6	18.1	11.9	30.2	16.1
Other transportation equipment .....	115	119	10.4	9.4	10.4	9.9	11.2	7.8
Professional and photographic equipment .....	61	49	9.2	7.0	7.5	5.4	11.6	9.4
Other durable goods industries .....	95	72	11.9	13.6	8.6	12.1	16.8	15.4
Nondurable goods .....	983	892	10.8	10.0	8.8	8.5	13.4	12.0
Food and kindred products .....	232	244	11.9	13.1	10.1	11.0	16.1	17.4
Textile mill products .....	107	78	13.5	9.8	12.8	9.3	14.2	9.9
Apparel and other textile products .....	206	160	15.4	12.4	12.4	13.1	16.2	12.2
Paper and allied products .....	58	49	7.6	6.8	6.5	5.8	11.2	9.7
Printing and publishing .....	114	110	7.0	6.7	7.2	6.2	6.8	7.5
Chemicals and allied products .....	94	90	7.2	7.3	5.8	6.1	10.8	9.9
Rubber and miscellaneous plastics products .....	98	82	13.2	10.6	11.1	8.8	16.8	14.4
Other nondurable goods industries .....	78	78	12.0	13.3	9.9	11.4	14.4	15.5
Transportation and public utilities .....	397	424	6.8	7.4	7.3	8.2	5.5	5.4
Transportation .....	329	334	10.1	8.6	10.6	9.4	8.3	5.7
Communications and other public utilities .....	68	90	2.7	3.6	2.2	3.3	3.5	4.0
Wholesale and retail trade .....	2,066	2,109	10.0	10.0	9.2	9.1	10.8	11.0
Wholesale trade .....	309	321	7.5	7.5	7.0	7.0	8.9	8.6
Retail trade .....	1,756	1,788	10.6	10.7	10.1	9.9	11.1	11.3
Finance, insurance, and real estate .....	276	272	4.7	4.5	4.4	4.3	4.9	4.8
Service industries .....	1,521	1,657	7.6	7.9	8.3	8.7	7.2	7.4
Professional services .....	602	650	5.2	5.5	4.7	5.3	5.4	5.5
Other service industries .....	919	1,007	10.9	11.3	11.4	11.6	10.5	10.9
Agricultural wage and salary workers .....	260	300	14.7	16.0	13.9	15.2	18.0	18.7
Government, self-employed, and unpaid family workers .....	1,012	1,097	3.9	4.2	3.6	4.1	4.2	4.2
No previous work experience .....	1,190	1,218	-	-	-	-	-	-

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

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	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>NUMBER OF UNEMPLOYED</b>												
Total unemployed .....	10,678	10,717	5,089	5,257	3,613	3,632	1,977	1,829	8,241	8,128	2,142	2,272
Job losers .....	6,268	6,258	3,965	4,088	1,844	1,801	460	370	4,949	4,896	1,275	1,307
On layoff .....	2,127	1,760	1,394	1,190	622	512	111	78	1,795	1,513	296	237
Other job losers .....	4,141	4,478	2,571	2,898	1,222	1,289	349	292	3,154	3,383	979	1,070
Job leavers .....	840	830	327	336	379	384	134	110	698	683	15	19
Reentrants .....	2,384	2,412	678	695	1,197	1,235	509	482	1,785	1,722	524	602
New entrants .....	1,185	1,216	119	138	192	212	874	867	809	827	328	344
<b>PERCENT DISTRIBUTION</b>												
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	58.7	58.4	77.9	77.7	51.0	49.6	23.2	20.2	60.1	60.2	59.5	57.5
On layoff .....	19.9	16.6	27.4	22.6	17.2	14.1	5.6	4.3	21.8	18.6	13.8	10.4
Other job losers .....	38.8	41.8	50.5	55.1	33.8	35.5	17.6	15.9	38.3	41.6	45.7	47.1
Job leavers .....	7.9	7.7	6.4	6.4	10.5	10.6	6.8	6.0	8.5	8.4	.7	.8
Reentrants .....	22.3	22.5	13.3	13.2	33.1	34.0	25.8	26.4	21.7	21.2	24.5	26.5
New entrants .....	11.1	11.3	2.3	2.6	5.3	5.8	44.2	47.4	9.8	10.2	15.3	15.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>												
Job losers .....	5.7	5.6	6.8	6.9	4.2	4.0	5.4	4.6	5.2	5.1	11.3	11.2
Job leavers .....	.8	.7	.6	.6	.9	.9	1.6	1.3	.7	.7	.1	.2
Reentrants .....	2.2	2.2	1.2	1.2	2.7	2.8	6.0	5.9	1.9	1.8	4.6	5.2
New entrants .....	1.1	1.1	.2	.2	.4	.5	10.2	10.6	.8	.9	2.9	3.0



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

(Percent distribution)

Reason, sex, and age	1983						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over .....	10,717	100.0	33.3	27.4	39.3	15.4	23.9
Job losers .....	6,258	100.0	25.6	26.4	48.0	17.9	30.1
On layoff .....	1,780	100.0	36.0	26.8	37.2	15.7	21.5
Other job losers .....	4,478	100.0	21.5	26.2	52.3	18.8	33.5
Job leavers .....	830	100.0	40.2	29.2	30.5	13.5	17.0
Reentrants .....	2,412	100.0	45.2	28.0	26.9	11.9	15.0
New entrants .....	1,216	100.0	44.7	30.4	25.0	10.9	14.0
Men, 20 years and over .....	5,257	100.0	25.4	26.1	48.5	17.1	31.4
Job losers .....	4,088	100.0	22.6	25.8	51.5	18.2	33.4
On layoff .....	1,190	100.0	33.2	26.5	40.3	16.9	23.4
Other job losers .....	2,898	100.0	18.3	25.6	56.2	18.7	37.4
Job leavers .....	336	100.0	32.5	28.7	38.8	13.5	25.3
Reentrants .....	695	100.0	36.7	27.2	36.0	13.3	22.7
New entrants .....	138	100.0	33.5	21.3	45.1	14.6	30.6
Women, 20 years and over .....	3,632	100.0	38.1	26.9	35.0	14.8	20.3
Job losers .....	1,801	100.0	28.2	26.7	45.1	18.1	27.0
On layoff .....	512	100.0	38.9	27.1	34.0	13.9	20.1
Other job losers .....	1,289	100.0	23.9	26.5	49.5	19.8	29.7
Job leavers .....	384	100.0	44.3	28.4	27.3	14.1	13.2
Reentrants .....	1,235	100.0	49.3	26.5	24.2	10.8	13.4
New entrants .....	212	100.0	45.5	27.5	26.9	10.4	16.6
Both sexes, 16 to 19 years .....	1,829	100.0	46.6	32.2	21.2	11.8	9.5
Job losers .....	370	100.0	46.1	30.6	23.4	13.6	9.8
On layoff .....	78	100.0	60.2	28.6	11.2	8.8	2.4
Other job losers .....	292	100.0	42.2	31.1	26.7	14.9	11.8
Job leavers .....	110	100.0	49.7	33.7	16.6	11.8	4.8
Reentrants .....	482	100.0	46.8	32.6	20.5	12.7	7.9
New entrants .....	867	100.0	46.2	32.5	21.3	10.5	10.8

**14. Unemployed persons by duration of unemployment**

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	10,678	10,717	100.0	100.0	9,006	9,075	100.0	100.0
Less than 5 weeks .....	3,883	3,570	36.4	33.3	2,987	2,693	33.2	29.7
5 to 14 weeks .....	3,311	2,937	31.0	27.4	2,808	2,464	31.2	27.2
5 to 10 weeks .....	2,312	2,077	21.7	19.4	1,936	1,720	21.5	19.0
11 to 14 weeks .....	999	860	9.4	8.0	873	743	9.7	8.2
15 weeks and over .....	3,485	4,210	32.6	39.3	3,210	3,918	35.6	43.2
15 to 26 weeks .....	1,708	1,652	16.0	15.4	1,545	1,489	17.2	16.4
27 weeks and over .....	1,776	2,559	16.6	23.9	1,665	2,430	18.5	26.8
27 to 51 weeks .....	952	1,131	8.9	10.6	896	1,072	9.9	11.8
52 weeks and over .....	825	1,427	7.7	13.3	769	1,358	8.5	15.0
Average (mean) duration, in weeks .....	15.6	20.0	-	-	16.8	21.8	-	-
Median duration, in weeks .....	8.7	10.1	-	-	9.6	11.7	-	-

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	
								1982	1983	1982	1983
	1983										
Total, 16 years and over .....	10,717	3,570	2,937	1,652	2,559	20.0	10.1	36.4	33.3	32.6	39.3
16 to 19 years .....	1,829	851	589	215	173	11.0	5.7	47.2	46.6	20.1	21.2
20 to 24 years .....	2,330	858	675	345	452	17.2	8.7	37.3	36.8	30.7	34.2
25 to 34 years .....	3,078	927	810	518	822	21.8	11.9	33.6	30.1	35.5	43.6
35 to 44 years .....	1,650	450	428	269	504	23.9	13.5	32.3	27.3	37.8	46.8
45 to 54 years .....	1,039	264	259	177	338	25.3	14.8	31.1	25.5	39.6	49.6
55 to 64 years .....	677	178	149	112	238	27.3	16.2	30.7	26.3	41.1	51.7
65 years and over .....	114	41	27	15	31	20.6	9.9	36.2	35.6	35.2	40.7
Men, 16 years and over .....	6,260	1,773	1,696	1,027	1,764	22.7	12.4	32.5	28.3	36.3	44.6
16 to 19 years .....	1,003	438	324	126	115	12.3	6.3	44.3	43.7	22.0	24.0
20 to 24 years .....	1,369	423	406	221	319	19.6	10.4	32.5	30.9	34.4	39.4
25 to 34 years .....	1,822	444	471	326	582	25.3	14.9	29.1	24.4	39.9	49.8
35 to 44 years .....	947	218	237	155	337	27.1	16.4	28.7	23.0	42.0	51.9
45 to 54 years .....	613	126	147	117	222	27.9	18.4	29.1	20.6	43.3	55.4
55 to 64 years .....	433	98	95	71	169	29.8	19.0	28.5	22.6	44.2	55.4
65 years and over .....	73	26	16	11	20	21.3	10.0	33.7	35.8	36.0	42.9
Women, 16 years and over .....	4,457	1,796	1,241	625	794	16.1	7.7	41.6	40.3	27.6	31.8
16 to 19 years .....	825	413	265	89	58	9.5	5.0	50.6	50.1	17.8	17.8
20 to 24 years .....	961	435	269	124	134	13.7	6.3	44.0	45.2	25.6	26.8
25 to 34 years .....	1,255	483	339	192	241	16.8	8.4	40.0	38.5	29.2	34.5
35 to 44 years .....	703	232	191	114	167	19.6	10.4	37.1	33.0	32.4	39.9
45 to 54 years .....	427	138	112	60	116	21.6	10.9	33.7	32.4	34.6	41.3
55 to 64 years .....	244	80	54	41	69	22.8	11.9	34.2	33.0	36.2	45.1
65 years and over .....	41	15	11	4	11	19.4	9.7	40.5	35.3	33.7	37.0
White, 16 years and over .....	8,128	2,729	2,259	1,270	1,870	19.4	9.9	36.7	33.6	31.7	38.6
Men .....	4,859	1,394	1,341	804	1,319	22.1	12.0	32.8	28.7	35.4	43.7
Women .....	3,270	1,335	918	466	551	15.4	7.5	42.3	40.8	26.3	31.1
Black, 16 years and over .....	2,272	725	585	339	623	22.3	10.0	34.5	31.9	37.2	42.3
Men .....	1,213	318	300	196	400	25.9	13.5	31.0	26.2	40.6	49.1
Women .....	1,059	407	286	143	223	18.1	7.4	38.8	38.4	33.0	34.6
Men, 16 years and over:											
Married, spouse present .....	2,634	637	669	464	863	25.3	15.3	29.9	24.2	39.3	50.4
Widowed, divorced, or separated .....	752	182	177	125	269	27.3	16.7	29.4	24.2	41.4	52.4
Single (never married) .....	2,874	955	850	438	632	19.2	9.7	35.7	33.2	32.3	37.2
Women, 16 years and over:											
Married, spouse present .....	1,865	729	502	274	359	16.5	8.3	40.7	39.1	27.7	34.0
Widowed, divorced, or separated .....	929	321	248	139	221	19.8	9.8	37.5	34.6	32.8	38.7
Single (never married) .....	1,663	746	491	211	215	13.5	6.2	44.8	44.8	24.7	25.6

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**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	
	1983							1982	1983	1982	1983
<b>OCCUPATION</b>											
Managerial and professional specialty .....	795	239	216	149	191	20.2	11.8	34.5	30.1	33.1	42.7
Technical, sales, and administrative support .....	2,116	760	582	338	436	17.8	9.1	38.0	35.9	30.3	36.6
Service occupations .....	1,697	633	479	239	345	17.8	8.7	40.1	37.3	29.0	34.5
Precision production, craft, and repair .....	1,466	397	400	239	430	22.9	12.9	31.8	27.1	35.7	45.6
Operators, fabricators, and laborers .....	2,955	816	738	490	911	24.4	13.6	32.2	27.6	38.5	47.4
Farming, forestry, and fishing .....	407	164	132	53	59	14.4	7.4	40.9	40.2	27.2	27.5
<b>INDUSTRY<sup>1</sup></b>											
Agriculture .....	300	124	101	39	36	13.1	6.9	45.5	41.3	22.9	25.1
Construction .....	1,044	305	314	173	251	20.4	10.9	32.5	29.2	35.3	40.7
Manufacturing .....	2,481	600	569	427	865	26.6	16.7	31.3	24.4	39.4	52.5
Durable goods .....	1,587	333	329	276	628	29.4	20.3	28.7	21.3	42.3	57.7
Nondurable goods .....	894	267	239	152	237	21.7	12.0	36.0	29.9	34.0	43.4
Transportation and public utilities .....	475	132	123	78	141	23.4	12.9	32.3	27.8	37.2	46.2
Wholesale and retail trade .....	2,122	762	595	325	419	17.4	8.9	36.4	36.9	29.1	35.1
Finance and service industries .....	2,372	854	660	361	496	18.2	9.1	38.3	36.0	30.9	36.2
Public administration .....	320	98	95	52	75	21.4	10.4	31.5	30.8	41.1	39.4
No previous work experience .....	1,218	545	370	133	171	14.1	6.2	45.4	44.7	22.9	24.9

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

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

Sex, age, and race	1983								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	10,717	8,800	24.4	5.2	79.3	33.8	16.7	4.9	1.64
16 to 19 years .....	1,829	1,722	14.6	2.5	84.4	25.1	14.1	4.2	1.45
20 to 24 years .....	2,330	1,983	25.3	5.0	80.2	34.8	15.9	3.8	1.65
25 to 34 years .....	3,078	2,443	28.6	5.9	78.2	37.4	16.6	4.5	1.71
35 to 44 years .....	1,650	1,276	27.9	6.4	78.1	36.7	19.3	5.6	1.74
45 to 54 years .....	1,039	772	26.8	6.2	76.0	35.0	18.7	6.7	1.69
55 to 64 years .....	677	511	24.3	7.0	73.6	34.2	19.0	8.8	1.67
65 years and over .....	114	93	12.9	3.2	69.9	28.0	24.7	7.5	1.46
Men, 16 years and over .....	6,260	4,949	27.0	5.2	80.2	32.0	19.2	5.9	1.70
16 to 19 years .....	1,003	941	15.3	2.6	84.7	23.5	17.1	3.7	1.47
20 to 24 years .....	1,369	1,125	28.3	5.0	82.0	31.6	18.2	3.9	1.69
25 to 34 years .....	1,822	1,368	31.5	5.7	79.5	36.3	19.1	5.6	1.78
35 to 44 years .....	947	699	32.5	6.3	79.1	35.5	21.7	7.9	1.83
45 to 54 years .....	613	440	29.5	6.6	76.1	33.4	20.9	9.1	1.76
55 to 64 years .....	433	316	25.6	7.3	73.4	31.6	19.9	11.4	1.69
65 years and over .....	73	61	9.8	3.3	72.1	27.9	26.2	6.6	1.46
Women, 16 years and over .....	4,457	3,850	21.1	5.1	78.1	36.1	13.6	3.7	1.58
16 to 19 years .....	825	781	13.8	2.4	83.9	27.0	10.4	4.9	1.42
20 to 24 years .....	961	858	21.3	4.9	77.9	38.9	12.8	3.5	1.59
25 to 34 years .....	1,255	1,076	24.8	6.0	76.6	38.8	13.5	3.2	1.63
35 to 44 years .....	703	577	22.2	6.4	76.9	38.0	16.3	2.8	1.63
45 to 54 years .....	427	332	23.5	5.4	75.9	37.3	16.0	3.6	1.62
55 to 64 years .....	244	195	22.1	6.7	73.8	38.5	16.9	4.6	1.63
65 years and over .....	41	32	18.8	3.1	65.6	28.1	21.9	9.4	1.47
White, 16 years and over .....	8,128	6,494	23.3	5.4	79.5	35.5	17.0	5.1	1.66
Men .....	4,859	3,728	26.1	5.6	80.5	33.5	19.3	6.3	1.71
Women .....	3,270	2,765	19.6	5.1	78.2	38.2	13.8	3.6	1.58
Black, 16 years and over .....	2,272	2,027	27.7	4.6	79.0	15.5	28.2	4.0	1.59
Men .....	1,213	1,059	29.8	4.2	79.9	18.1	26.5	4.2	1.63
Women .....	1,059	969	25.4	5.1	78.1	12.7	30.0	3.9	1.55

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new job within 30 days are not actually seeking jobs. It should also be noted that the percent

using each method will always total more than 100 because many jobseekers use more than one method.

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

Sex and reason	1983								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over .....	10,717	8,800	24.4	5.2	79.3	33.8	16.7	4.9	1.64
Job losers <sup>1</sup> .....	6,258	4,474	30.4	6.1	80.4	35.7	19.1	5.1	1.77
Job leavers .....	830	830	22.3	5.9	78.2	38.2	14.9	3.3	1.63
Reentrants .....	2,412	2,292	18.7	4.6	75.9	33.6	14.2	5.6	1.53
New entrants .....	1,216	1,203	14.6	2.2	82.7	23.9	14.1	4.2	1.42
Men, 16 years and over .....	6,260	4,949	27.0	5.2	80.2	32.0	19.2	5.9	1.70
Job losers <sup>1</sup> .....	4,331	3,084	31.7	5.8	80.5	33.7	20.3	6.1	1.78
Job leavers .....	386	386	22.0	5.7	78.8	38.3	19.4	3.9	1.68
Reentrants .....	953	896	20.9	4.9	77.8	29.8	17.1	7.0	1.57
New entrants .....	589	583	14.9	2.4	83.4	23.0	16.3	4.1	1.44
Women, 16 years and over .....	4,457	3,850	21.1	5.1	78.1	36.1	13.8	3.7	1.58
Job losers <sup>1</sup> .....	1,926	1,390	27.5	6.7	80.0	40.2	16.4	2.7	1.74
Job leavers .....	444	444	22.7	6.1	77.9	38.3	10.8	2.7	1.59
Reentrants .....	1,459	1,397	17.3	4.6	74.5	36.2	12.4	4.7	1.50
New entrants .....	627	620	14.4	2.1	82.1	24.8	12.1	4.4	1.40

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

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

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

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

(In thousands)

Industry and age	Total		Men		Women	
	1982	1983	1982	1983	1982	1983
All industries .....	99,526	100,834	56,271	56,787	43,256	44,047
16 to 19 years .....	6,549	6,342	3,379	3,300	3,170	3,043
16 to 17 years .....	2,505	2,320	1,307	1,213	1,198	1,107
18 to 19 years .....	4,044	4,022	2,072	2,087	1,972	1,935
20 to 24 years .....	13,890	13,722	7,197	7,232	6,492	6,490
25 to 54 years .....	64,951	66,528	37,138	37,799	27,813	28,729
25 to 34 years .....	28,149	28,756	16,002	16,216	12,147	12,540
35 to 44 years .....	20,879	21,960	11,902	12,450	8,977	9,510
45 to 54 years .....	15,923	15,812	9,234	9,133	6,689	6,678
55 to 64 years .....	11,414	11,315	6,781	6,686	4,634	4,629
55 to 59 years .....	7,001	6,844	4,151	4,061	2,850	2,783
60 to 64 years .....	4,414	4,471	2,630	2,626	1,784	1,845
65 years and over .....	2,923	2,927	1,776	1,770	1,147	1,157
Agriculture .....	3,401	3,383	2,736	2,704	665	680
16 to 19 years .....	378	334	314	274	64	60
16 to 17 years .....	185	154	156	127	30	27
18 to 19 years .....	193	180	158	147	34	33
20 to 24 years .....	435	446	350	364	85	82
25 to 54 years .....	1,808	1,827	1,408	1,413	402	414
25 to 34 years .....	765	784	611	629	154	155
35 to 44 years .....	545	563	412	426	133	137
45 to 54 years .....	498	480	384	358	114	122
55 to 64 years .....	484	491	398	399	86	92
55 to 59 years .....	261	265	209	213	51	52
60 to 64 years .....	223	226	189	187	34	39
65 years and over .....	297	285	267	252	29	32
Nonagricultural industries .....	96,125	97,450	53,534	54,083	42,591	43,367
16 to 19 years .....	6,171	6,008	3,065	3,026	3,106	2,983
16 to 17 years .....	2,320	2,167	1,151	1,086	1,168	1,080
18 to 19 years .....	3,851	3,842	1,914	1,939	1,937	1,903
20 to 24 years .....	13,255	13,276	6,848	6,868	6,407	6,408
25 to 54 years .....	63,143	64,701	35,731	36,386	27,411	28,315
25 to 34 years .....	27,983	27,972	15,391	15,587	11,993	12,385
35 to 44 years .....	20,334	21,397	11,490	12,024	8,844	9,373
45 to 54 years .....	15,425	15,331	8,850	8,775	6,575	6,556
55 to 64 years .....	10,931	10,824	6,382	6,287	4,548	4,537
55 to 59 years .....	6,740	6,579	3,941	3,848	2,799	2,731
60 to 64 years .....	4,191	4,245	2,441	2,439	1,750	1,806
65 years and over .....	2,626	2,642	1,508	1,517	1,118	1,125

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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	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
Total .....	99,526	100,834	56,271	56,787	52,891	53,487	43,256	44,047	40,086	41,004
Managerial and professional specialty .....	23,152	23,592	13,767	13,933	13,677	13,854	9,385	9,659	9,276	9,575
Executive, administrative, and managerial .....	10,597	10,772	7,217	7,282	7,172	7,252	3,379	3,490	3,339	3,463
Officials and administrators, public administration .....	( <sup>1</sup> )	495	( <sup>1</sup> )	321	( <sup>1</sup> )	321	( <sup>1</sup> )	173	( <sup>1</sup> )	173
Other executive, administrative, and managerial .....	( <sup>1</sup> )	7,311	( <sup>1</sup> )	5,190	( <sup>1</sup> )	5,165	( <sup>1</sup> )	2,121	( <sup>1</sup> )	2,101
Management-related occupations .....	( <sup>1</sup> )	2,966	( <sup>1</sup> )	1,770	( <sup>1</sup> )	1,766	( <sup>1</sup> )	1,196	( <sup>1</sup> )	1,189
Professional specialty .....	12,555	12,820	6,549	6,651	6,505	6,602	6,006	6,169	5,937	6,112
Engineers .....	1,557	1,572	1,451	1,482	1,450	1,481	106	91	105	90
Mathematical and computer scientists .....	528	463	383	326	383	326	145	137	145	137
Natural scientists .....	340	357	273	284	273	283	67	73	66	73
Health diagnosing occupations .....	700	735	613	637	614	637	87	98	87	97
Health assessment and treating occupations .....	1,823	1,900	274	270	273	270	1,549	1,629	1,541	1,626
Teachers, college and university .....	593	606	383	386	382	385	210	220	207	216
Teachers, except college and university .....	3,368	3,365	1,008	979	998	969	2,360	2,386	2,339	2,363
Lawyers and judges .....	630	651	532	548	532	546	97	103	97	103
Other professional specialty occupations .....	3,015	3,171	1,631	1,739	1,601	1,706	1,384	1,432	1,351	1,407
Technical, sales, and administrative support .....	30,770	31,265	10,995	11,078	10,461	10,539	18,774	20,187	18,221	18,706
Technicians and related support .....	3,013	3,053	1,640	1,582	1,615	1,560	1,373	1,471	1,348	1,450
Health technologists and technicians .....	1,028	1,111	176	174	175	171	852	937	840	925
Engineering and science technicians .....	1,163	1,024	916	814	898	803	247	210	241	205
Technicians, except health, engineering, and science .....	822	917	549	593	542	587	274	324	268	320
Sales occupations .....	11,249	11,618	6,113	6,201	5,813	5,864	5,136	5,617	4,316	4,806
Supervisors and proprietors .....	2,798	2,958	2,196	2,119	2,184	2,097	602	839	589	824
Sales representatives, finance and business services .....	1,793	1,853	1,162	1,164	1,156	1,158	631	689	616	673
Sales representatives, commodities, except retail .....	1,419	1,442	1,203	1,224	1,190	1,216	216	217	204	210
Sales workers, retail and personal services .....	5,219	5,511	1,546	1,671	1,277	1,372	3,673	3,839	2,893	3,070
Sales-related occupations .....	20	54	6	22	6	21	14	32	14	30
Administrative support, including clerical .....	16,507	16,395	3,242	3,295	3,053	3,114	13,266	13,100	12,557	12,449
Supervisors .....	( <sup>1</sup> )	676	( <sup>1</sup> )	315	( <sup>1</sup> )	314	( <sup>1</sup> )	361	( <sup>1</sup> )	358
Computer equipment operators .....	591	605	216	219	209	209	375	387	361	365
Secretaries, stenographers, and typists .....	4,843	4,861	74	85	69	77	4,769	4,776	4,524	4,558
Financial records processing .....	2,438	2,457	237	260	229	255	2,201	2,196	2,136	2,142
Mail and message distributing .....	800	799	558	547	528	520	242	252	228	240
Other administrative support, including clerical .....	( <sup>1</sup> )	6,997	( <sup>1</sup> )	1,870	( <sup>1</sup> )	1,739	( <sup>1</sup> )	5,127	( <sup>1</sup> )	4,786
Service occupations .....	13,494	13,857	5,295	5,530	4,381	4,593	8,199	8,326	7,003	7,157
Private household .....	1,043	980	33	38	21	24	1,010	942	796	715
Protective service .....	1,609	1,672	1,424	1,457	1,388	1,424	185	215	170	189
Service, except private household and protective .....	10,842	11,205	3,838	4,035	2,971	3,145	7,004	7,170	6,037	6,253
Food service .....	4,849	4,860	1,661	1,784	1,068	1,170	3,188	3,077	2,497	2,442
Health service .....	1,713	1,739	205	188	188	174	1,507	1,551	1,398	1,445
Cleaning and building service .....	2,595	2,736	1,602	1,674	1,394	1,469	993	1,062	922	981
Personal service .....	1,685	1,870	369	390	321	332	1,316	1,480	1,220	1,385
Precision production, craft, and repair .....	11,775	12,328	10,938	11,328	10,608	11,019	838	1,000	811	969
Mechanics and repairers .....	3,927	4,158	3,811	4,033	3,685	3,929	116	125	111	124
Construction trades .....	3,957	4,289	3,848	4,210	3,707	4,085	108	79	103	72
Other precision production, craft, and repair .....	3,892	3,881	3,279	3,085	3,216	3,025	613	795	596	773
Operators, fabricators, and laborers .....	16,550	16,091	12,094	11,809	10,995	10,782	4,456	4,282	4,237	4,072
Machine operators, assemblers, and inspectors .....	7,874	7,744	4,603	4,484	4,394	4,287	3,271	3,259	3,152	3,157
Manufacturing industries .....	8,647	8,517	3,781	3,695	3,640	3,558	2,887	2,822	2,770	2,748
Durable goods .....	3,736	3,478	2,476	2,355	2,387	2,272	1,260	1,123	1,227	1,099
Nondurable goods .....	2,912	3,039	1,305	1,340	1,253	1,286	1,607	1,699	1,543	1,650
Nonmanufacturing industries .....	1,226	1,226	822	790	754	729	404	437	382	408
Transportation and material moving occupations .....	4,198	4,201	3,874	3,875	3,729	3,752	324	326	312	313
Motor vehicle operators .....	2,955	2,978	2,680	2,705	2,565	2,610	274	273	263	261
Other transportation and material moving occupations .....	1,244	1,223	1,194	1,169	1,164	1,142	50	53	49	52
Handlers, equipment cleaners, helpers, and laborers .....	4,478	4,147	3,617	3,450	2,872	2,722	861	697	774	603
Construction laborers .....	561	595	543	583	466	514	18	13	16	11
Other handlers, equipment cleaners, helpers, and laborers .....	3,916	3,551	3,074	2,868	2,407	2,208	842	685	758	592
Farming, forestry, and fishing .....	3,751	3,700	3,167	3,108	2,734	2,720	584	592	519	524
Farm operators and managers .....	1,482	1,450	1,306	1,275	1,289	1,260	177	175	175	173
Other farming, forestry, and fishing occupations .....	2,269	2,250	1,862	1,833	1,446	1,460	407	417	344	351

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

21. Employed civilians by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Men		Women	
	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>						
Total, 16 years and over (thousands) .....	99,526	100,834	56,271	56,787	43,256	44,047
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	23.3	23.4	24.5	24.5	21.7	21.9
Executive, administrative, and managerial .....	10.7	10.7	12.8	12.8	7.8	7.9
Professional specialty .....	12.8	12.7	11.6	11.7	13.9	14.0
Technical, sales, and administrative support .....	30.9	31.0	19.5	19.5	45.7	45.8
Technicians and related support .....	3.0	3.0	2.9	2.8	3.2	3.3
Sales occupations .....	11.3	11.7	10.9	10.9	11.9	12.8
Administrative support, including clerical .....	16.6	16.3	5.8	5.8	30.7	29.7
Service occupations .....	13.6	13.7	9.4	9.7	19.0	18.9
Private household .....	1.0	1.0	.1	.1	2.3	2.1
Protective service .....	1.6	1.7	2.5	2.6	.4	.5
Service, except private household and protective .....	10.9	11.1	8.8	7.1	16.2	16.3
Precision production, craft, and repair .....	11.8	12.2	19.4	19.9	1.9	2.3
Operators, fabricators, and laborers .....	18.6	16.0	21.5	20.8	10.3	9.7
Machine operators, assemblers, and inspectors .....	7.9	7.7	8.2	7.9	7.6	7.4
Transportation and material moving occupations .....	4.2	4.2	6.9	6.8	.7	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.5	4.1	6.4	6.1	2.0	1.6
Farming, forestry, and fishing .....	3.8	3.7	5.6	5.5	1.4	1.3
<b>White</b>						
Total, 16 years and over (thousands) .....	87,903	88,893	50,287	50,621	37,615	38,272
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	24.3	24.3	25.6	25.6	22.5	22.6
Executive, administrative, and managerial .....	11.3	11.3	13.6	13.5	8.3	8.3
Professional specialty .....	12.9	13.0	12.0	12.1	14.2	14.3
Technical, sales, and administrative support .....	31.5	31.7	19.9	19.9	47.1	47.2
Technicians and related support .....	3.0	3.0	2.9	2.8	3.2	3.3
Sales occupations .....	11.9	12.4	11.5	11.5	12.6	13.5
Administrative support, including clerical .....	18.6	16.3	5.5	5.6	31.3	30.5
Service occupations .....	12.3	12.5	8.5	8.8	17.5	17.5
Private household .....	.8	.8	( <sup>1</sup> )	.1	1.9	1.7
Protective service .....	1.6	1.6	2.4	2.4	.4	.5
Service, except private household and protective .....	10.0	10.1	6.0	6.3	15.2	15.3
Precision production, craft, and repair .....	12.2	12.6	19.9	20.5	1.9	2.2
Operators, fabricators, and laborers .....	15.8	15.1	20.4	19.7	9.6	9.0
Machine operators, assemblers, and inspectors .....	7.5	7.2	7.8	7.6	7.0	6.8
Transportation and material moving occupations .....	4.1	4.0	6.6	6.5	.7	.7
Handlers, equipment cleaners, helpers, and laborers .....	4.2	3.9	5.9	5.6	1.9	1.5
Farming, forestry, and fishing .....	3.9	3.8	5.7	5.5	1.4	1.4
<b>Black</b>						
Total, 16 years and over (thousands) .....	9,189	9,375	4,637	4,753	4,552	4,622
Percent .....	100.0	100.0	100.0	100.0	100.0	100.0
Managerial and professional specialty .....	( <sup>2</sup> )	14.1	( <sup>2</sup> )	12.2	15.6	16.1
Executive, administrative, and managerial .....	( <sup>2</sup> )	5.4	( <sup>2</sup> )	5.8	4.4	4.9
Professional specialty .....	( <sup>2</sup> )	8.7	( <sup>2</sup> )	6.4	11.2	11.2
Technical, sales, and administrative support .....	( <sup>2</sup> )	25.4	( <sup>2</sup> )	14.9	38.3	38.2
Technicians and related support .....	( <sup>2</sup> )	2.7	( <sup>2</sup> )	2.0	3.1	3.4
Sales occupations .....	( <sup>2</sup> )	6.0	( <sup>2</sup> )	4.7	6.7	7.3
Administrative support, including clerical .....	( <sup>2</sup> )	16.8	( <sup>2</sup> )	8.2	26.5	25.6
Service occupations .....	( <sup>2</sup> )	24.5	( <sup>2</sup> )	18.5	31.0	30.6
Private household .....	( <sup>2</sup> )	2.9	( <sup>2</sup> )	.2	6.3	5.7
Protective service .....	( <sup>2</sup> )	2.4	( <sup>2</sup> )	4.1	.7	.7
Service, except private household and protective .....	( <sup>2</sup> )	19.1	( <sup>2</sup> )	14.3	24.0	24.2
Precision production, craft, and repair .....	( <sup>2</sup> )	9.0	( <sup>2</sup> )	15.7	1.7	2.1
Operators, fabricators, and laborers .....	( <sup>2</sup> )	24.1	( <sup>2</sup> )	33.5	14.8	14.3
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	11.5	( <sup>2</sup> )	11.6	11.1	11.5
Transportation and material moving occupations .....	( <sup>2</sup> )	5.8	( <sup>2</sup> )	10.7	.9	.9
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	6.7	( <sup>2</sup> )	11.3	2.6	1.9
Farming, forestry, and fishing .....	( <sup>2</sup> )	3.0	( <sup>2</sup> )	5.2	.6	.6

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

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

standards for publication.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Occupation	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over .....	100,834	43.7	9.3	5.3
<b>Managerial and professional specialty</b> .....	23,592	40.9	5.8	2.8
Executive, administrative, and managerial .....	10,772	32.4	4.7	2.8
Officials and administrators, public administration .....	417	38.5	8.3	3.8
Administrators, protective services .....	54	14.0	2.8	1.0
Financial managers .....	357	38.8	3.5	3.1
Personnel and labor relations managers .....	108	43.9	4.9	2.6
Purchasing managers .....	82	23.8	5.1	1.4
Managers, marketing, advertising, and public relations .....	396	21.8	2.7	1.7
Administrators, education and related fields .....	415	41.4	11.3	2.4
Managers, medicine and health .....	91	57.0	5.0	2.0
Managers, properties and real estate .....	305	42.8	5.5	5.2
Management-related occupations .....	2,966	40.3	5.8	3.5
Accountants and auditors .....	1,105	38.7	5.5	3.3
Underwriters and other financial officers .....	541	41.5	5.0	4.1
Management analysts .....	134	29.5	5.3	1.7
Personnel, training, and labor relations specialists .....	325	52.3	11.9	2.9
Buyers, wholesale and retail trade, except farm products .....	191	47.2	2.5	5.8
Construction inspectors .....	53	7.0	2.9	4.2
Inspectors and compliance officers, except construction .....	150	23.1	11.4	4.1
<b>Professional specialty</b> .....	12,820	48.1	8.4	2.5
Architects .....	103	12.7	1.6	1.5
Engineers .....	1,572	5.8	2.7	2.2
Aerospace engineers .....	80	6.9	1.5	2.1
Chemical engineers .....	67	6.1	3.0	1.4
Civil engineers .....	211	4.0	1.9	3.2
Electrical and electronic engineers .....	450	8.1	3.4	3.1
Industrial engineers .....	210	11.0	3.3	2.4
Mechanical engineers .....	259	2.8	3.2	1.1
Mathematical and computer scientists .....	463	29.8	5.4	2.8
Computer systems analysts and scientists .....	276	27.8	6.2	2.7
Operations and systems researchers and analysts .....	142	31.3	4.9	2.2
Natural scientists .....	357	20.5	2.8	2.1
Chemists, except biochemists .....	98	23.3	4.3	1.2
Geologists and geodesists .....	65	18.0	1.1	2.6
Biological and life scientists .....	55	40.8	2.4	1.8
Health diagnosing occupations .....	735	13.3	2.7	3.3
Physicians .....	519	15.8	3.2	4.5
Dentists .....	126	6.7	2.4	1.0
Health assessment and treating occupations .....	1,900	85.8	7.1	2.2
Registered nurses .....	1,372	95.8	8.7	1.8
Pharmacists .....	158	26.7	3.8	2.6
Dietitians .....	71	90.8	21.0	3.7
Therapists .....	247	76.3	7.6	2.7
Inhalation therapists .....	69	69.4	6.5	3.7
Physical therapists .....	55	77.0	9.7	1.5
Speech therapists .....	51	90.5	1.5	( <sup>1</sup> )
Physicians assistants .....	51	38.3	7.7	4.4
Teachers, college and university .....	606	36.3	4.4	1.6
Teachers, except college and university .....	3,365	70.9	9.1	2.7
Prekindergarten and kindergarten .....	299	98.2	11.8	3.4
Elementary school .....	1,350	83.3	11.1	3.1
Secondary school .....	1,209	51.8	7.2	2.3
Special education .....	81	82.2	10.2	2.3
Teachers, n.e.c. .....	425	64.5	5.7	2.0
Counselors, educational and vocational .....	184	53.1	13.9	3.2
Librarians, archivists, and curators .....	213	64.4	7.8	1.6
Librarians .....	193	87.3	7.9	1.8
Social scientists and urban planners .....	261	48.8	7.1	2.1
Economists .....	98	37.9	6.3	2.7
Psychologists .....	135	57.1	8.6	1.1
Social, recreation, and religious workers .....	831	43.1	12.1	3.8
Social workers .....	407	64.3	18.2	8.3
Recreation workers .....	85	71.9	15.7	2.0
Clergy .....	293	5.6	4.9	1.4
Religious workers, n.e.c. .....	66	50.9	2.5	.4
Lawyers and judges .....	851	15.8	2.7	1.0
Lawyers .....	612	15.3	2.6	.9
Writers, artists, entertainers, and athletes .....	1,544	42.7	4.8	2.9
Authors .....	62	48.7	2.1	.9
Designers .....	393	52.7	3.1	2.7
Musicians and composers .....	155	28.0	7.9	4.4
Painters, sculptors, craft-artists, and artist printmakers .....	168	47.4	2.1	2.3
Photographers .....	113	20.7	4.0	3.4
Editors and reporters .....	204	48.4	2.9	2.1
Public relations specialists .....	157	50.1	6.2	1.9
Athletes .....	58	17.6	9.4	1.7

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Technical, sales, and administrative support .....	31,285	64.6	7.6	4.3
Technicians and related support .....	3,053	48.2	8.2	3.1
Health technologists and technicians .....	1,111	84.3	12.7	3.1
Clinical laboratory technologists and technicians .....	255	78.2	10.5	2.9
Dental hygienists .....	66	98.6	1.6	( <sup>1</sup> )
Radiologic technicians .....	101	71.7	8.6	4.5
Licensed practical nurses .....	443	97.0	17.7	3.1
Engineering and related technologists and technicians .....	822	18.4	6.1	3.5
Electrical and electronic technicians .....	280	12.5	6.2	4.6
Drafting occupations .....	273	17.5	5.5	2.3
Science technicians .....	202	29.1	6.8	2.8
Biological technicians .....	52	37.7	2.9	2.0
Chemical technicians .....	82	28.9	9.5	3.5
Technicians, except health, engineering, and science .....	917	35.3	5.0	2.7
Airplane pilots and navigators .....	69	2.1	( <sup>1</sup> )	1.8
Computer programmers .....	443	32.5	4.4	2.1
Legal assistants .....	128	74.0	4.3	3.8
Sales occupations .....	11,818	47.5	4.7	3.7
Supervisors and proprietors .....	2,958	28.4	3.6	3.4
Sales representatives, finance and business services .....	1,853	37.2	2.7	2.2
Insurance sales .....	551	25.1	3.8	2.5
Real estate sales .....	570	48.4	1.3	1.5
Securities and financial services sales .....	212	23.6	3.1	1.1
Advertising and related sales .....	124	47.9	4.5	3.3
Sales occupations, other business services .....	396	41.0	2.4	2.9
Sales representatives, commodities, except retail .....	1,442	15.1	2.1	2.2
Sales workers, retail and personal services .....	5,511	69.7	6.7	4.8
Sales workers, motor vehicles and boats .....	230	6.4	3.2	3.0
Sales workers, apparel .....	451	83.2	8.1	6.0
Sales workers, shoes .....	117	65.4	5.0	7.3
Sales workers, furniture and home furnishings .....	140	49.8	2.7	4.8
Sales workers, radio, television, hi-fi, and appliances .....	124	30.4	5.0	6.2
Sales workers, hardware and building supplies .....	189	22.7	2.5	3.8
Sales workers, parts .....	149	10.9	1.8	6.2
Sales workers, other commodities .....	1,441	74.1	4.5	4.0
Sales counter clerks .....	140	70.1	7.8	4.3
Cashiers .....	2,009	84.4	10.1	5.4
Street and door-to-door sales workers .....	378	61.0	4.4	3.4
News vendors .....	143	27.4	5.8	2.9
Sales-related occupations .....	54	58.7	2.8	1.3
Administrative support, including clerical .....	18,395	79.9	9.6	5.0
Supervisors .....	676	53.4	9.3	5.0
General office .....	382	65.7	10.5	4.9
Financial records processing .....	93	62.2	5.8	5.1
Supervisors, distribution, scheduling, and adjusting clerks .....	156	22.7	8.9	5.3
Computer equipment operators .....	805	83.9	12.5	6.0
Computer operators .....	597	63.7	12.1	6.0
Secretaries, stenographers, and typists .....	4,661	98.2	7.3	4.5
Secretaries .....	3,891	98.0	5.8	4.0
Stenographers .....	65	66.7	6.4	2.0
Typists .....	908	95.6	13.8	6.4
Information clerks .....	1,174	88.9	6.5	5.5
Interviewers .....	184	88.0	9.7	4.6
Hotel clerks .....	64	68.6	6.7	3.2
Transportation ticket and reservation agents .....	98	64.7	10.3	5.7
Receptionists .....	602	98.6	7.5	6.6
Records processing occupations, except financial .....	866	82.4	13.9	4.8
Order clerks .....	188	78.1	10.6	4.4
Personnel clerks, except payroll and timekeeping .....	64	91.1	14.9	4.8
Library clerks .....	147	81.9	15.4	2.5
File clerks .....	287	83.5	16.7	6.1
Records clerks .....	157	62.8	11.6	5.6
Financial records processing .....	2,457	89.4	4.6	3.7
Bookkeepers, accounting, and auditing clerks .....	1,970	91.0	4.3	3.3
Payroll and timekeeping clerks .....	192	82.2	5.9	5.0
Billing clerks .....	146	68.4	6.2	3.9
Cost and rate clerks .....	96	75.6	5.9	5.3
Billing, posting, and calculating machine operators .....	53	85.5	5.4	8.9
Duplicating, mail and other office machine operators .....	68	62.6	16.0	6.1
Communications equipment operators .....	256	89.1	17.0	4.4
Telephone operators .....	244	90.4	17.0	4.3
Mail and message distributing occupations .....	799	31.6	16.1	4.5
Postal clerks, except mail carriers .....	248	36.7	26.2	5.2
Mail carriers, postal service .....	259	17.1	12.5	2.7
Mail clerks, except postal service .....	170	50.0	15.8	5.9
Messengers .....	122	26.2	16.7	5.2
Material recording, scheduling, and distributing clerks .....	1,582	37.5	10.9	6.8
Dispatchers .....	157	45.7	11.4	4.3
Production coordinators .....	182	44.0	6.1	2.2
Traffic, shipping, and receiving clerks .....	421	22.6	9.1	11.1
Stock and inventory clerks .....	532	38.7	13.3	5.5
Weighers, measurers, and checkers .....	79	47.2	16.9	5.8
Expeditors .....	112	57.5	8.4	4.3

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	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Adjusters and investigators .....	675	69.9	11.1	5.1
Insurance adjusters, examiners, and investigators .....	199	65.0	11.5	3.3
Investigators and adjusters, except insurance .....	301	70.1	11.3	4.8
Eligibility clerks, social welfare .....	89	88.7	12.9	9.4
Bill and account collectors .....	106	66.4	8.5	6.5
Miscellaneous administrative support .....	2,397	85.2	12.5	5.9
General office clerks .....	648	80.6	12.7	5.2
Bank tellers .....	480	91.0	7.5	4.3
Data entry keyers .....	311	93.6	18.6	5.6
Statistical clerks .....	96	75.7	7.5	3.4
Teachers' aides .....	348	93.7	17.8	12.8
<b>Service occupations .....</b>	<b>13,857</b>	<b>60.1</b>	<b>16.8</b>	<b>6.8</b>
Private household .....	980	96.1	27.8	8.5
Child care workers .....	408	96.9	7.9	3.6
Cleaners and servants .....	512	95.8	42.4	11.8
Protective service .....	1,672	12.8	13.6	4.6
Supervisors, protective service .....	127	4.7	7.7	3.1
Supervisors, police and detectives .....	58	4.2	9.3	1.2
Firefighting and fire prevention .....	189	1.0	8.7	4.1
Firefighting occupations .....	170	1.0	7.3	3.8
Police and detectives .....	645	9.4	13.1	4.0
Police and detectives, public service .....	412	5.7	9.5	4.4
Sheriffs, bailiffs, and other law enforcement officers .....	87	13.2	11.5	4.0
Correctional institution officers .....	148	17.8	24.0	2.8
Guards .....	711	20.6	17.0	5.6
Guards and police, except public service .....	602	13.0	18.9	6.2
Service occupations, except private household and protective service .....	11,205	64.0	16.0	8.9
Food preparation and service occupations .....	4,860	63.3	10.5	8.8
Supervisors .....	239	63.5	10.6	5.0
Bartenders .....	338	48.4	2.7	4.4
Waiters and waitresses .....	1,357	87.8	4.1	3.6
Cooks, except short order .....	1,359	50.8	18.0	6.6
Short-order cooks .....	93	38.5	12.9	2.4
Food counter, fountain, and related occupations .....	328	78.0	9.1	6.7
Kitchen workers, food preparation .....	138	77.0	13.7	8.1
Waiters' and waitresses' assistants .....	364	38.8	12.6	14.2
Miscellaneous food preparation .....	648	54.0	15.1	11.8
Health service occupations .....	1,739	89.2	23.5	4.8
Dental assistants .....	154	98.1	6.1	5.7
Health aides, except nursing .....	318	88.8	16.5	4.8
Nursing aides, orderlies, and attendants .....	1,289	88.7	27.3	4.7
Cleaning and building service occupations .....	2,738	38.8	24.4	9.2
Supervisors .....	124	36.4	26.3	6.6
Maids and housemen .....	531	61.2	32.3	10.1
Janitors and cleaners .....	2,031	26.6	22.8	8.9
Personal service occupations .....	1,870	79.2	11.1	6.0
Barbers .....	92	12.9	8.4	12.1
Hairdressers and cosmetologists .....	622	88.7	7.0	5.7
Attendants, amusement and recreation facilities .....	131	40.2	7.1	4.3
Public transportation attendants .....	63	74.3	11.3	5.9
Welfare service aides .....	77	92.5	24.2	10.5
Child care workers .....	633	98.8	12.6	5.2
Precision production, craft, and repair .....	12,328	8.1	6.8	6.2
Mechanics and repairers .....	4,158	3.0	6.8	5.3
Supervisors .....	252	7.0	3.7	3.3
Mechanics and repairers, except supervisors .....	3,906	2.6	7.0	5.5
Vehicle and mobile equipment mechanics and repairers .....	1,683	.8	6.9	6.0
Automobile mechanics .....	800	.5	7.8	6.0
Bus, truck, and stationery engine mechanics .....	289	.8	6.5	5.7
Aircraft engine mechanics .....	95	2.5	4.0	7.6
Small engine repairers .....	63	.1	5.4	3.4
Automobile body and related repairers .....	199	.7	6.5	6.8
Heavy equipment mechanics .....	182	.7	5.4	4.9
Industrial machinery repairers .....	529	2.2	6.0	4.9
Electrical and electronic equipment repairers .....	674	7.4	7.3	4.5
Electronic repairers, communications, and industrial equipment .....	158	5.3	6.0	6.1
Data processing equipment repairers .....	98	9.3	6.1	4.5
Telephone line installers and repairers .....	59	5.6	5.8	4.6
Telephone installers and repairers .....	247	9.9	7.8	3.7
Heating, air conditioning, and refrigeration mechanics .....	200	.5	6.0	5.3
Miscellaneous mechanics and repairers .....	782	4.0	7.5	5.4
Office machine repairers .....	66	3.3	9.3	3.9
Millwrights .....	94	1.0	6.4	2.4

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Construction trades .....	4,289	1.6	6.6	8.0
Supervisors .....	504	1.3	3.2	4.6
Construction trades, except supervisors .....	3,784	1.9	7.1	6.1
Brickmasons and stonemasons .....	156	.3	12.2	9.2
Carpet installers .....	86	2.0	3.4	6.6
Carpenters .....	1,160	1.4	5.0	5.0
Drywall installers .....	95	1.4	3.8	8.6
Electricians .....	602	1.5	6.2	3.3
Electrical power installers and repairers .....	106	.2	12.0	1.7
Painters, construction and maintenance .....	473	4.9	8.7	8.8
Plumbers, pipefitters, and steamfitters .....	443	1.1	7.9	4.7
Concrete and terrazzo finishers .....	64	( <sup>1</sup> )	23.0	22.3
Insulation workers .....	56	4.8	5.6	11.3
Roofers .....	133	.1	7.4	7.8
Structural metal workers .....	83	1.2	3.9	3.2
Extractive occupations .....	196	2.3	3.3	6.0
Supervisors .....	56	1.7	.6	2.2
Drillers, oil wells .....	60	1.9	2.5	7.3
Precision production occupations .....	3,685	21.5	7.3	7.4
Supervisors .....	1,210	14.1	6.6	5.7
Precision metalworking .....	892	5.5	6.2	6.3
Tool and die makers .....	148	1.2	2.1	2.9
Machinists .....	471	4.1	7.3	7.7
Sheet-metal workers .....	127	4.5	5.1	4.6
Precision woodworking .....	86	16.7	3.3	9.7
Precision textile, apparel, and furnishings machine workers .....	260	58.9	7.9	12.7
Dressmakers .....	111	96.1	8.9	7.9
Upholsterers .....	67	26.2	6.9	17.7
Precision workers, assorted materials .....	452	56.9	7.5	10.4
Optical goods workers .....	56	41.5	2.9	3.5
Dental laboratory and medical appliance technicians .....	50	41.1	5.5	7.3
Electrical and electronic equipment assemblers .....	246	74.2	10.8	13.2
Precision food production occupations .....	408	25.5	11.1	9.6
Butchers and meat cutters .....	276	15.6	13.5	9.2
Bakers .....	105	44.4	6.7	9.9
Precision inspectors, testers, and related workers .....	130	25.6	6.8	6.3
Inspectors, testers, and graders .....	121	24.6	8.7	6.2
Plant and system operators .....	247	3.4	7.8	4.5
Power plant operators .....	52	4.7	8.3	5.6
Stationary engineers .....	119	2.1	7.8	4.1
Operators, fabricators, and laborers .....	16,091	28.8	14.0	8.3
Machine operators, assemblers, and inspectors .....	7,744	42.1	14.0	9.4
Machine operators and tenders, except precision .....	5,235	43.1	15.0	9.8
Metalworking and plastic working machine operators .....	499	18.8	11.4	8.7
Lathe and turning machine operators .....	78	9.2	10.0	6.1
Punching and stamping press machine operators .....	114	33.0	14.3	4.3
Grinding, abrading, buffing, and polishing machine operators .....	151	14.0	12.9	11.2
Metal and plastic processing machine operators .....	172	23.0	13.1	12.2
Molding and casing machine operators .....	102	30.9	12.5	13.0
Woodworking machine operators .....	145	11.9	11.2	7.9
Sawing machine operators .....	95	7.7	12.1	7.4
Printing machine operators .....	459	25.8	7.0	4.7
Printing machine operators .....	306	13.8	8.7	5.5
Typesetters and compositors .....	76	64.1	1.9	2.1
Textile, apparel, and furnishings machine operators .....	1,414	82.1	18.7	12.5
Winding and twisting machine operators .....	97	75.2	38.2	2.5
Textile sewing machine operators .....	806	94.0	15.5	14.5
Shoe machine operators .....	77	72.5	12.4	7.7
Pressing machine operators .....	141	66.4	27.1	14.2
Laundering and dry cleaning machine operators .....	164	64.7	21.0	12.9
Machine operators, assorted materials .....	2,517	32.8	15.3	9.9
Packaging and filling machine operators .....	396	63.1	17.6	14.7
Mixing and blending machine operators .....	113	7.6	19.0	8.0
Separating, filtering, and clarifying machine operators .....	62	5.4	12.0	2.7
Painting and paint spraying machine operators .....	185	13.6	12.4	11.0
Furnace, kiln, and oven operators, except food .....	108	3.5	14.5	4.9
Slicing and cutting machine operators .....	195	23.3	15.9	14.9
Photographic process machine operators .....	93	52.4	8.4	6.4
Fabricators, assemblers, and hand working occupations .....	1,715	33.7	11.3	8.7
Welders and cutters .....	543	5.0	8.3	8.8
Assemblers .....	953	46.4	13.5	8.9
Production inspectors, testers, samplers, and weighers .....	794	53.8	13.0	7.7
Production inspectors, checkers, and examiners .....	624	54.9	13.4	8.8
Production testers .....	58	37.4	6.0	3.8
Graders and sorters, except agricultural .....	103	56.6	13.5	18.5

See footnotes at end of table.

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

(Numbers in thousands)

Occupation	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Transportation and material moving occupations .....	4,201	7.8	13.0	5.9
Motor vehicle operators .....	2,978	9.2	13.5	6.0
Truck drivers, heavy .....	1,771	2.1	12.8	5.1
Truck drivers, light .....	424	7.6	10.4	8.3
Drivers-sales workers .....	200	7.8	5.2	3.6
Bus drivers .....	365	45.5	22.2	7.0
Taxi-cab drivers and chauffeurs .....	148	10.4	19.6	8.6
Transportation occupations, except motor vehicles .....	212	2.4	6.7	3.0
Rail transportation occupations .....	154	2.0	7.8	3.1
Locomotive operating occupations .....	64	2.3	6.5	1.7
Railroad brakes, signal, and switch operators .....	50	1.5	8.7	6.0
Water transportation occupations .....	58	3.5	3.7	2.9
Material moving equipment operators .....	1,011	4.6	12.9	6.3
Operating engineers .....	145	.4	6.8	3.8
Crane and tower operators .....	93	1.3	15.6	2.6
Excavating and loading machine operators .....	98	1.2	5.9	6.2
Grader, dozer, and scraper operators .....	112	.2	7.7	4.9
Industrial truck and tractor equipment operators .....	369	5.6	19.6	8.2
Handlers, equipment cleaners, helpers, and laborers .....	4,147	16.8	15.1	8.6
Helpers, construction and extractive occupations .....	167	13.0	11.4	10.9
Helpers, construction trades .....	153	2.9	11.5	11.5
Construction laborers .....	595	2.1	18.1	11.3
Production helpers .....	75	24.4	13.7	9.1
Freight, stock, and material handlers .....	1,488	15.4	15.3	7.1
Garbage collectors .....	83	1.0	38.0	8.2
Stock handlers and baggers .....	615	20.7	9.4	6.9
Machine feeders and offbearers .....	88	32.1	22.7	5.0
Garage and service station related occupations .....	293	4.6	8.6	7.3
Vehicle washers and equipment cleaners .....	175	14.7	22.3	12.4
Hand packers and packagers .....	286	67.0	13.6	7.7
Laborers, except construction .....	1,024	19.4	16.0	8.6
Farming, forestry, and fishing .....	3,700	16.0	7.5	6.2
Farm operators and managers .....	1,450	12.1	1.3	.7
Farmers .....	1,369	12.1	1.2	.7
Farm managers .....	81	10.5	3.0	1.7
Other agricultural and related occupations .....	2,072	19.9	11.7	14.0
Farm occupations, except managerial .....	1,216	24.4	11.3	16.0
Farm workers .....	1,149	24.8	11.6	15.9
Related agricultural occupations .....	855	13.6	12.3	11.2
Supervisors .....	99	5.0	5.6	10.4
Groundskeepers and gardeners, except farm .....	645	6.8	14.7	11.6
Animal caretakers, except farm .....	97	60.0	3.2	5.9
Forestry and logging occupations .....	126	1.4	12.8	2.1
Timber cutting and logging .....	96	( <sup>1</sup> )	14.4	2.3
Fishers, hunters, and trappers .....	53	4.5	1.8	2.5

<sup>1</sup> 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.

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

(In thousands)

Age and sex	1983								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self-employed workers	Unpaid family workers	Wage and salary workers	Self-employed workers	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over .....	89,500	1,247	15,537	72,716	7,575	376	1,579	1,565	240
16 to 19 years .....	5,883	325	400	5,157	96	30	245	31	57
16 to 17 years .....	2,103	222	131	1,751	49	15	105	16	33
18 to 19 years .....	3,780	104	270	3,407	47	15	140	15	25
20 to 24 years .....	12,904	145	1,265	11,494	349	23	331	85	30
25 to 34 years .....	26,027	159	4,384	21,484	1,877	68	442	306	36
35 to 44 years .....	19,329	146	4,105	15,079	1,969	98	237	292	35
45 to 54 years .....	13,726	161	3,014	10,552	1,523	82	148	296	36
55 to 64 years .....	9,575	181	2,032	7,363	1,195	53	132	330	29
55 to 59 years .....	5,872	87	1,279	4,506	676	31	80	166	19
60 to 64 years .....	3,703	94	753	2,857	520	22	52	164	10
65 years and over .....	2,054	130	337	1,587	566	21	45	224	16
Men, 16 years and over .....	48,896	210	7,623	41,063	5,136	51	1,265	1,355	84
16 to 19 years .....	2,940	90	178	2,672	65	21	196	29	49
16 to 17 years .....	1,039	58	60	920	36	12	83	15	29
18 to 19 years .....	1,901	31	118	1,752	29	9	113	14	20
20 to 24 years .....	6,621	35	562	6,024	239	8	269	75	20
25 to 34 years .....	14,333	27	2,068	12,239	1,246	8	360	283	6
35 to 44 years .....	10,707	16	2,022	8,669	1,316	1	180	246	-
45 to 54 years .....	7,731	12	1,566	6,153	1,041	3	115	242	2
55 to 64 years .....	5,442	10	1,047	4,385	839	6	105	292	2
55 to 59 years .....	3,372	5	650	2,717	473	2	63	148	1
60 to 64 years .....	2,070	5	397	1,668	366	3	41	144	1
65 years and over .....	1,123	21	182	920	389	4	40	208	5
Women, 16 years and over .....	40,603	1,037	7,913	31,653	2,439	325	314	210	156
16 to 19 years .....	2,943	236	222	2,485	31	9	49	2	8
16 to 17 years .....	1,064	163	70	830	13	3	22	1	4
18 to 19 years .....	1,879	72	152	1,655	17	6	27	1	4
20 to 24 years .....	6,283	111	703	5,470	110	15	62	10	10
25 to 34 years .....	11,694	132	2,317	9,245	631	61	82	43	30
35 to 44 years .....	8,623	130	2,083	6,409	653	97	57	45	35
45 to 54 years .....	5,996	149	1,448	4,399	462	78	33	54	34
55 to 64 years .....	4,134	171	985	2,978	356	47	27	38	27
55 to 59 years .....	2,500	82	629	1,789	202	29	16	18	18
60 to 64 years .....	1,633	89	356	1,189	154	19	11	20	9
65 years and over .....	931	109	155	667	177	17	4	17	11

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

(In thousands)

Industry and sex	1983					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
<b>TOTAL</b>						
Mining .....	921	881	2	889	29	1
Construction .....	6,149	4,946	501	4,445	1,158	45
Manufacturing .....	19,946	19,550	166	19,383	371	25
Durable goods .....	11,708	11,477	138	11,339	218	13
Nondurable goods .....	8,238	8,073	28	8,044	153	13
Transportation and public utilities .....	6,988	6,651	1,376	5,275	322	14
Wholesale and retail trade .....	21,145	19,046	96	18,950	1,932	168
Wholesale trade .....	4,314	3,875	3	3,872	316	23
Retail trade .....	16,832	15,071	93	14,978	1,616	145
Finance, insurance, and real estate .....	8,510	5,952	155	5,797	532	26
Services .....	31,082	27,752	8,532	19,223	3,233	96
Private households .....	1,253	1,244	-	1,247	9	-
Other service industries .....	29,829	26,508	8,532	17,978	3,224	96
Business and repair .....	4,916	3,834	57	3,776	1,040	42
Personal, except private households .....	2,824	1,983	11	1,973	822	18
Entertainment and recreation .....	1,215	1,053	146	907	159	3
Professional .....	20,716	19,518	8,240	11,278	1,165	33
Hospitals .....	4,348	4,341	1,070	3,271	7	-
Health services, except hospitals .....	3,525	3,197	413	2,784	312	17
Educational .....	7,883	7,770	8,148	1,822	112	1
Social services .....	2,203	2,029	503	1,525	189	5
Other .....	2,758	2,182	107	2,075	585	10
Forestry and fisheries .....	158	120	77	43	38	1
Public administration .....	4,709	4,709	4,709	-	-	-
<b>Men</b>						
Mining .....	761	735	2	733	26	-
Construction .....	5,640	4,515	461	4,053	1,119	6
Manufacturing .....	13,454	13,167	132	13,034	282	5
Durable goods .....	8,629	8,447	114	8,334	178	3
Nondurable goods .....	4,825	4,719	18	4,701	104	2
Transportation and public utilities .....	5,204	4,907	1,078	3,829	294	3
Wholesale and retail trade .....	11,197	10,021	41	9,980	1,152	23
Wholesale trade .....	3,151	2,883	2	2,881	267	1
Retail trade .....	8,046	7,139	39	7,099	885	22
Finance, insurance, and real estate .....	2,752	2,379	67	2,292	371	1
Services .....	12,247	10,341	2,992	7,351	1,893	12
Private households .....	214	208	-	210	6	-
Other service industries .....	12,033	10,133	2,992	7,141	1,887	12
Business and repair .....	3,204	2,418	33	2,386	780	6
Personal, except private households .....	947	729	4	725	215	3
Entertainment and recreation .....	739	622	80	542	118	1
Professional .....	7,009	6,267	2,817	3,450	739	2
Hospitals .....	1,015	1,012	323	688	4	-
Health services, except hospitals .....	847	588	100	488	257	2
Educational .....	2,845	2,818	2,177	641	26	-
Social services .....	759	722	146	576	38	1
Other .....	1,542	1,127	71	1,058	415	-
Forestry and fisheries .....	134	97	58	38	37	-
Public administration .....	2,829	2,829	2,829	-	-	-
<b>Women</b>						
Mining .....	181	156	-	156	3	1
Construction .....	509	431	39	392	39	39
Manufacturing .....	6,492	6,383	34	6,349	89	20
Durable goods .....	3,079	3,030	24	3,006	40	10
Nondurable goods .....	3,412	3,353	10	3,343	49	10
Transportation and public utilities .....	1,784	1,744	298	1,446	28	12
Wholesale and retail trade .....	9,948	9,024	55	8,970	780	145
Wholesale trade .....	1,163	1,092	1	1,091	49	22
Retail trade .....	8,788	7,932	53	7,879	731	123
Finance, insurance, and real estate .....	3,758	3,572	67	3,505	161	25
Services .....	18,835	17,411	5,540	11,872	1,340	84
Private households .....	1,039	1,036	-	1,037	3	-
Other service industries .....	17,796	16,375	5,540	10,835	1,337	84
Business and repair .....	1,711	1,415	25	1,391	260	36
Personal, except private households .....	1,877	1,255	7	1,247	807	15
Entertainment and recreation .....	478	431	87	384	43	2
Professional .....	13,707	13,251	5,423	7,828	426	31
Hospitals .....	3,332	3,329	746	2,583	3	-
Health services, except hospitals .....	2,679	2,609	313	2,296	54	15
Educational .....	5,038	4,951	3,970	961	88	1
Social services .....	1,444	1,307	356	949	133	4
Other .....	1,214	1,054	36	1,019	150	10
Forestry and fisheries .....	25	23	19	4	1	-
Public administration .....	1,880	1,880	1,880	-	-	-

25. Employed civilians by industry, sex, and occupation

(In thousands)

Industry and sex	1983												
	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 <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
<b>TOTAL</b>													
Agriculture .....	3,383	44	56	24	15	100	-	16	54	9	43	15	3,008
Mining .....	921	137	103	37	10	122	-	10	303	31	135	32	1
Construction .....	6,149	677	126	48	67	396	-	37	3,515	99	463	704	17
Manufacturing .....	19,946	2,010	1,519	712	662	2,438	-	387	3,815	6,517	818	962	105
Durable goods .....	11,708	1,195	1,028	509	271	1,393	-	204	2,668	3,478	417	449	96
Nondurable goods .....	8,238	816	491	203	391	1,045	-	184	1,146	3,039	401	513	9
Transportation and public utilities .....	6,988	683	379	224	246	1,944	-	223	1,235	108	1,492	439	15
Wholesale and retail trade .....	21,145	1,710	370	75	8,684	2,186	-	4,028	1,391	271	785	1,621	23
Wholesale trade .....	4,314	500	75	37	1,650	838	-	46	312	133	418	295	10
Retail trade .....	16,832	1,209	295	38	7,033	1,348	-	3,982	1,079	138	366	1,326	14
Finance, insurance, and real estate .....	6,510	1,452	154	115	1,509	2,784	-	277	119	15	10	20	57
Services .....	31,082	3,095	9,493	1,623	602	5,093	980	6,763	1,658	649	408	299	418
Private households .....	1,253	3	11	21	1	11	980	50	11	2	7	33	123
Other service industries .....	29,829	3,092	9,483	1,803	601	5,083	-	6,711	1,647	648	402	266	293
Professional services .....	20,716	1,771	8,606	1,361	114	3,809	-	4,096	390	187	232	76	94
Public administration .....	4,709	964	621	195	22	1,332	-	1,134	238	45	46	55	57
<b>Men</b>													
Agriculture .....	2,704	32	47	13	9	10	-	8	53	7	39	12	2,474
Mining .....	761	108	87	25	10	28	-	10	297	30	133	31	1
Construction .....	5,640	619	114	41	56	54	-	31	3,464	95	461	689	16
Manufacturing .....	13,454	1,607	1,245	557	485	749	-	315	3,252	3,695	770	676	104
Durable goods .....	8,629	987	903	421	217	459	-	166	2,279	2,355	399	346	96
Nondurable goods .....	4,825	620	342	136	268	290	-	147	973	1,340	371	329	8
Transportation and public utilities .....	5,204	517	312	178	115	841	-	139	1,180	95	1,397	414	15
Wholesale and retail trade .....	11,197	1,102	198	45	4,291	403	-	1,689	1,239	157	747	1,310	17
Wholesale trade .....	3,151	378	52	27	1,440	185	-	34	297	80	408	242	7
Retail trade .....	8,046	724	145	17	2,851	219	-	1,853	942	77	339	1,067	10
Finance, insurance, and real estate .....	2,752	854	94	53	976	379	-	191	114	10	9	18	54
Services .....	12,247	1,834	4,129	536	252	553	38	2,146	1,502	359	274	250	374
Private households .....	214	1	2	1	-	1	38	6	9	1	6	32	117
Other service industries .....	12,033	1,833	4,127	534	251	552	-	2,139	1,492	358	269	218	258
Professional services .....	7,009	954	3,589	362	34	317	-	1,095	336	70	112	59	81
Public administration .....	2,829	609	426	134	8	277	-	966	226	37	43	50	53
<b>Women</b>													
Agriculture .....	680	11	9	11	6	90	-	8	1	2	3	3	533
Mining .....	161	29	15	12	1	93	-	-	5	1	2	1	-
Construction .....	509	58	12	7	11	341	-	6	51	3	2	15	1
Manufacturing .....	6,492	403	274	155	177	1,689	-	72	563	2,822	48	286	1
Durable goods .....	3,079	208	125	89	54	933	-	36	390	1,123	18	103	1
Nondurable goods .....	3,412	195	149	67	123	755	-	37	173	1,699	30	183	1
Transportation and public utilities .....	1,784	166	67	46	131	1,102	-	83	55	13	96	25	1
Wholesale and retail trade .....	9,948	608	172	30	4,393	1,783	-	2,340	152	114	37	311	7
Wholesale trade .....	1,163	122	23	9	210	653	-	12	16	53	10	52	3
Retail trade .....	8,786	486	150	21	4,182	1,130	-	2,328	137	61	27	259	4
Finance, insurance, and real estate .....	3,758	598	60	61	533	2,405	-	88	4	5	-	1	3
Services .....	18,835	1,261	5,364	1,088	350	4,540	942	4,817	157	290	134	49	42
Private households .....	1,039	2	9	19	1	10	942	44	2	1	1	1	7
Other service industries .....	17,796	1,259	5,355	1,068	350	4,531	-	4,573	155	289	133	46	35
Professional services .....	13,707	818	5,017	999	80	3,493	-	3,000	54	97	119	18	13
Public administration .....	1,880	355	194	60	15	1,055	-	169	11	8	4	5	5

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



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

**26. Employed civilians by industry, race, and occupation**

(In thousands)

Industry and race	1983												
	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 <sup>1</sup>		Machine operators, assemblers, and inspectors	Transportation and material moving	Handlers, equipment cleaners, helpers, and laborers	
<b>WHITE</b>													
Agriculture .....	3,119	42	54	24	14	98	-	15	48	7	39	12	2,765
Mining .....	872	131	98	38	10	112	-	9	291	30	125	29	1
Construction .....	5,659	658	115	43	67	379	-	26	3,263	90	415	591	13
Manufacturing .....	17,497	1,922	1,401	640	633	2,220	-	305	3,427	5,392	691	778	87
Durable goods .....	10,387	1,139	948	462	263	1,280	-	164	2,405	2,925	351	368	82
Nondurable goods .....	7,110	784	453	178	370	939	-	142	1,023	2,467	340	410	6
Transportation and public utilities .....	6,031	638	342	201	223	1,642	-	170	1,114	92	1,269	329	12
Wholesale and retail trade .....	19,166	1,588	343	69	8,036	2,035	-	3,486	1,281	224	678	1,401	22
Wholesale trade .....	3,980	476	70	33	1,584	783	-	39	282	109	358	237	8
Retail trade .....	15,186	1,113	274	36	6,451	1,252	-	3,447	998	115	320	1,165	13
Finance, insurance, and real estate .....	5,859	1,347	138	104	1,445	2,431	-	216	97	13	8	15	44
Services .....	26,711	2,846	8,557	1,397	550	4,474	686	5,247	1,494	530	335	245	349
Private households .....	903	2	8	15	1	9	686	38	10	2	5	29	97
Other service industries .....	25,808	2,844	8,549	1,382	549	4,465	-	5,209	1,484	526	330	216	252
Professional services .....	17,788	1,611	7,743	1,163	104	3,314	-	3,045	342	137	187	62	81
Public administration .....	3,979	842	543	175	20	1,081	-	963	203	35	33	37	46
<b>BLACK</b>													
Agriculture .....	193	1	1	-	-	-	-	1	5	1	3	2	176
Mining .....	34	4	2	-	-	9	-	1	8	1	8	2	-
Construction .....	398	13	3	3	-	11	-	10	200	7	42	106	3
Manufacturing .....	1,913	50	51	41	21	176	-	74	286	909	119	168	17
Durable goods .....	998	32	33	24	4	88	-	36	186	445	61	76	14
Nondurable goods .....	916	18	18	17	16	89	-	38	100	465	58	93	3
Transportation and public utilities .....	824	33	23	18	16	263	-	46	101	14	205	102	3
Wholesale and retail trade .....	1,400	63	16	2	442	116	-	366	76	39	94	183	1
Wholesale trade .....	252	11	3	2	40	40	-	6	22	21	54	52	1
Retail trade .....	1,147	52	13	-	402	76	-	360	53	19	41	130	-
Finance, insurance, and real estate .....	493	64	11	6	41	277	-	56	19	1	2	4	11
Services .....	3,516	182	656	166	37	502	272	1,319	120	99	63	45	55
Private households .....	323	-	2	5	-	1	272	13	1	-	1	3	24
Other service industries .....	3,193	161	654	161	37	501	-	1,306	119	98	61	42	31
Professional services .....	-	124	605	147	8	405	-	934	39	27	40	11	10
Public administration .....	604	95	57	14	1	216	-	150	26	9	12	15	10

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

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

(In thousands)

Sex, age, and race	1983									
	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Services <sup>1</sup>	Public administration
			Total	Durable goods	Non-durable goods					
<b>TOTAL</b>										
Total, 16 years and over .....	921	6,149	19,946	11,708	8,238	6,986	21,145	6,510	29,829	4,709
16 to 19 years .....	13	289	561	253	307	116	3,027	204	1,404	89
20 years and over .....	908	5,860	19,385	11,455	7,930	6,872	18,118	6,306	28,425	4,621
20 to 24 years .....	116	964	2,377	1,312	1,065	660	3,995	965	3,680	374
25 years and over .....	793	4,916	17,009	10,143	6,866	6,212	14,123	5,340	24,745	4,247
25 to 54 years .....	679	4,173	14,168	8,489	5,679	5,281	11,508	4,393	20,487	3,563
55 years and over .....	114	743	2,840	1,654	1,187	931	2,615	948	4,277	684
<b>Men, 16 years and over</b> .....	781	5,640	13,454	8,629	4,825	5,204	11,197	2,752	12,033	2,829
16 to 19 years .....	10	248	366	178	188	78	1,517	57	621	38
20 years and over .....	750	5,392	13,088	8,451	4,637	5,128	9,680	2,695	11,412	2,791
20 to 24 years .....	92	899	1,511	918	593	425	2,007	252	1,464	182
25 years and over .....	659	4,493	11,576	7,532	4,045	4,702	7,672	2,443	9,948	2,609
25 to 54 years .....	558	3,821	9,818	6,263	3,357	3,940	6,259	1,904	8,019	2,212
55 years and over .....	101	672	1,958	1,270	688	762	1,413	539	1,929	398
<b>Women, 16 years and over</b> .....	161	509	6,492	3,079	3,412	1,784	9,948	3,758	17,796	1,880
16 to 19 years .....	3	21	194	75	119	38	1,510	147	783	51
20 years and over .....	158	488	6,298	3,004	3,293	1,746	8,438	3,611	17,013	1,829
20 to 24 years .....	23	64	866	393	472	235	1,988	713	2,216	192
25 years and over .....	134	424	5,431	2,811	2,821	1,511	6,451	2,897	14,797	1,637
25 to 54 years .....	121	353	4,549	2,227	2,322	1,341	5,249	2,489	12,448	1,351
55 years and over .....	13	71	882	384	499	170	1,202	408	2,349	286
<b>White</b>										
<b>Men, 16 years and over</b> .....	723	5,178	11,970	7,726	4,244	4,518	10,077	2,507	10,536	2,459
16 to 19 years .....	10	228	337	167	170	70	1,395	49	542	31
20 years and over .....	713	4,950	11,633	7,559	4,074	4,449	8,681	2,458	9,993	2,428
20 to 24 years .....	86	838	1,352	839	513	360	1,767	216	1,249	147
25 years and over .....	628	4,112	10,281	6,721	3,562	4,089	6,914	2,241	8,743	2,281
25 to 54 years .....	529	3,496	8,486	5,547	2,939	3,398	5,607	1,741	7,006	1,923
55 years and over .....	99	616	1,795	1,174	623	691	1,307	500	1,737	358
<b>Women, 16 years and over</b> .....	149	481	5,527	2,661	2,866	1,513	9,089	3,352	15,272	1,519
16 to 19 years .....	2	19	176	67	109	35	1,405	137	703	39
20 years and over .....	147	462	5,351	2,594	2,757	1,478	7,684	3,215	14,570	1,480
20 to 24 years .....	21	59	760	350	410	207	1,793	637	1,958	149
25 years and over .....	126	403	4,590	2,244	2,348	1,271	5,891	2,578	12,612	1,332
25 to 54 years .....	114	335	3,785	1,882	1,903	1,116	4,758	2,189	10,572	1,075
55 years and over .....	12	68	805	362	445	155	1,133	390	2,040	257
<b>Black</b>										
<b>Men, 16 years and over</b> .....	25	379	1,171	690	481	589	790	178	1,115	300
16 to 19 years .....	-	16	20	7	14	6	88	4	62	8
20 years and over .....	25	364	1,150	684	467	583	702	173	1,053	294
20 to 24 years .....	4	52	127	57	70	53	195	26	172	31
25 years and over .....	19	312	1,023	626	397	531	507	145	881	263
25 to 54 years .....	19	262	888	543	344	467	437	113	728	233
55 years and over .....	1	50	135	83	52	64	70	32	153	30
<b>Women, 16 years and over</b> .....	10	17	742	308	434	235	609	315	2,078	304
16 to 19 years .....	-	2	13	4	9	3	78	8	68	11
20 years and over .....	9	16	729	304	425	232	531	307	2,010	293
20 to 24 years .....	2	5	82	28	54	23	154	64	210	38
25 years and over .....	7	12	646	275	371	209	378	242	1,801	255
25 to 54 years .....	7	10	592	259	333	196	334	228	1,525	231
55 years and over .....	-	1	55	17	38	13	43	15	276	24

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

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Industry	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Total, 16 years and over .....	100,834	43.7	9.3	5.3
<b>Agriculture</b> .....	3,383	20.1	5.7	8.1
Agricultural production, crops .....	1,484	17.3	8.2	10.6
Agricultural production, livestock .....	1,242	21.6	2.0	3.6
Agricultural services, except horticultural .....	278	42.0	8.1	10.7
Horticultural services .....	368	9.6	6.5	11.7
<b>Mining</b> .....	921	17.4	3.7	4.7
Metal mining .....	70	10.0	1.0	16.4
Coal mining .....	177	6.7	3.8	.4
Crude petroleum and natural gas extraction .....	584	22.7	3.6	4.9
Nonmetallic mining and quarrying, except fuel .....	91	9.9	6.8	3.0
<b>Construction</b> .....	6,149	8.3	6.5	5.8
<b>Manufacturing</b> .....	19,946	32.5	9.6	6.1
<b>Durable goods</b> .....	11,708	26.3	8.5	5.6
Lumber and wood products, except furniture .....	658	12.4	12.7	5.0
Logging .....	155	2.3	17.3	2.4
Sawmills, planing mills, and millwork .....	326	12.8	11.4	5.5
Wood buildings and mobile homes .....	53	12.5	5.2	5.6
Miscellaneous wood products .....	125	23.9	13.5	6.9
Furniture and fixtures .....	488	29.1	6.9	8.9
Stone, clay, glass, and concrete products .....	558	24.1	10.1	5.9
Glass and glass products .....	164	34.1	12.4	3.7
Cement, concrete, gypsum, and plaster products .....	178	8.8	10.7	7.5
Structural clay, pottery, and related products .....	80	30.9	8.2	9.9
Miscellaneous nonmetallic mineral and stone products .....	136	28.1	7.7	4.3
Primary metal industries .....	804	11.9	11.3	6.6
Blast furnaces, steelworks, rolling, and finishing mills .....	362	8.1	13.2	4.8
Iron and steel foundries .....	134	12.0	14.9	8.9
Primary aluminum industries .....	138	11.8	6.6	6.9
Other primary metal industries .....	169	20.1	8.3	8.6
Fabricated metal industries .....	1,257	22.6	8.4	6.4
Cutlery, hand tools, and other hardware .....	138	36.7	7.7	7.5
Fabricated structural metal products .....	434	15.9	8.8	6.6
Screw machine products .....	60	22.3	6.9	4.5
Metal forging and stampings .....	154	24.4	10.7	3.5
Ordnance .....	90	26.7	7.5	3.5
Miscellaneous and not specified fabricated metal products .....	381	23.4	7.9	8.1
Machinery, except electrical .....	2,426	22.2	5.7	4.2
Engines and turbines .....	99	21.6	7.3	1.8
Farm machinery and equipment .....	129	13.2	7.0	2.6
Construction and material handling machines .....	232	14.1	6.8	4.5
Metal working machinery .....	289	17.3	4.3	2.8
Office and accounting machines .....	123	29.0	9.0	4.0
Electronic computing equipment .....	609	33.5	6.2	5.1
Machinery, except electrical, n.e.c. and not specified .....	944	18.8	4.7	4.5
Electrical machinery, equipment and supplies .....	2,108	42.3	8.0	8.3
Household appliances .....	152	40.0	11.3	2.1
Radio, T.V., and communication equipment .....	596	39.9	8.0	6.6
Electrical machinery, equipment, and supplies, n.e.c. and not specified .....	1,360	43.7	7.6	6.6
Transportation equipment .....	2,247	18.6	11.2	4.1
Motor vehicles and motor vehicle equipment .....	997	18.8	14.1	3.3
Aircraft and parts .....	572	23.1	7.5	5.1
Ship and boat building and repairing .....	304	9.4	15.3	4.4
Guided missiles, space vehicles, and parts .....	290	26.1	5.0	4.9
Cycles and miscellaneous transportation equipment .....	54	20.3	6.6	2.4
Professional and photographic equipment, and watches .....	655	39.9	5.7	5.0
Scientific and controlling instruments .....	242	37.5	5.9	3.1
Optical and health services supplies .....	270	46.6	4.9	6.5
Photographic equipment and supplies .....	124	29.2	6.7	5.1
Toys, amusements, and sporting goods .....	141	49.7	7.1	11.2
Miscellaneous and not specified manufacturing industries .....	367	43.7	6.3	11.2
<b>Nondurable goods</b> .....	8,238	41.4	11.1	6.8
Food and kindred products .....	1,643	31.4	12.0	8.5
Meat products .....	342	31.7	16.9	9.3
Dairy products .....	179	23.0	3.8	3.3
Canned and preserved fruits and vegetables .....	214	43.8	6.4	15.7
Grain mill products .....	133	20.3	9.8	4.8

See footnotes at end of table.

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

(Numbers in thousands)

Industry	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Bakery products .....	224	31.8	14.7	6.9
Sugar and confectionary products .....	127	38.8	16.8	9.7
Beverage industries .....	220	18.0	10.5	5.1
Miscellaneous and not specified food preparations and kindred products .....	203	41.6	14.2	11.4
Tobacco manufactures .....	67	29.7	36.4	( <sup>1</sup> )
Textile mill products .....	742	49.3	21.3	4.4
Knitting mills .....	192	66.9	12.6	4.8
Yarn, thread, and fabric mills .....	387	45.2	24.0	4.1
Apparel and other finished textile products .....	1,154	79.5	13.2	14.4
Apparel and accessories, except knit .....	1,002	82.1	12.3	14.8
Miscellaneous fabricated textile products .....	153	62.2	18.9	11.6
Paper and allied products .....	677	24.4	9.9	4.1
Pulp, paper, and paperboard mills .....	296	16.1	7.8	1.2
Miscellaneous paper and pulp products .....	185	36.5	11.6	4.8
Paperboard containers and boxes .....	197	25.4	11.4	7.8
Printing, publishing, and allied products .....	1,657	39.8	6.0	3.5
Newspaper publishing and printing .....	538	39.8	6.6	3.0
Printing, publishing, and allied industries, except newspapers .....	1,120	39.8	5.8	3.7
Chemicals and allied products .....	1,153	30.0	9.5	4.5
Plastics, synthetics, and resins .....	130	26.5	9.3	5.8
Drugs .....	216	41.7	8.0	5.1
Soaps and cosmetics .....	151	49.7	7.2	7.8
Paints, varnishes, and related products .....	56	26.8	15.4	4.0
Industrial and miscellaneous chemicals .....	552	21.4	9.9	3.4
Petroleum and coal products .....	202	18.8	9.9	4.1
Petroleum refining .....	178	20.8	9.4	3.7
Rubber and miscellaneous plastics products .....	700	33.6	8.8	7.1
Tires and inner tubes .....	111	12.3	8.9	.9
Other rubber products, and plastics footwear and belting .....	135	34.3	9.0	6.5
Miscellaneous plastics products .....	454	38.6	8.8	8.8
Leather and leather products .....	243	62.1	10.2	10.5
Footwear, except rubber and plastic .....	161	64.1	7.4	9.2
Leather products, except footwear .....	65	65.6	11.1	13.9
Transportation, communications, and other public utilities .....	6,988	25.5	11.8	4.8
Transportation .....	4,066	21.4	12.1	5.0
Railroads .....	435	8.8	10.4	4.2
Bus service and urban transit .....	406	29.0	23.5	6.5
Taxicab service .....	99	10.9	22.9	6.8
Trucking service .....	1,427	12.1	8.5	4.3
Warehousing and storage .....	88	26.2	10.0	12.9
U.S. Postal Service .....	698	26.2	20.3	4.0
Water transportation .....	201	15.0	8.0	6.8
Air transportation .....	477	33.2	6.1	5.3
Services incidental to transportation .....	218	62.1	5.0	6.3
Communications .....	1,457	45.0	10.5	4.6
Radio and television broadcasting .....	221	37.6	10.1	5.3
Telephone (wire and radio) .....	1,059	47.2	11.1	4.5
Telegraph and miscellaneous communication services .....	177	40.8	6.9	4.7
Utilities and sanitary services .....	1,464	17.5	12.2	4.4
Electric light and power .....	636	17.6	9.7	2.2
Gas and steam supply systems .....	205	19.4	6.8	5.7
Electric and gas, and other combinations .....	173	20.7	9.3	3.1
Water supply and irrigation .....	209	19.6	11.5	8.6
Sanitary services .....	227	10.2	27.5	6.7
Wholesale and retail trade .....	21,145	47.0	6.6	5.2
Wholesale trade .....	4,314	27.0	5.8	4.8
Durable goods .....	2,381	26.0	4.7	3.8
Motor vehicles and equipment .....	243	27.3	3.3	5.1
Furniture and home furnishings .....	77	35.7	6.3	3.2
Lumber and construction materials .....	142	21.0	6.7	5.1
Metals and minerals, except petroleum .....	87	27.0	7.3	5.3
Electrical goods .....	294	31.2	3.7	4.4
Hardware, plumbing, and heating supplies .....	201	25.7	2.2	2.3
Machinery, equipment and supplies .....	1,069	24.9	3.5	3.0
Scrap and waste materials .....	124	11.1	20.5	6.8
Miscellaneous wholesale trade, durable goods .....	98	36.3	3.7	4.0
Nondurable goods .....	1,934	28.1	7.2	6.0
Paper and paper products .....	111	30.7	8.1	4.1
Drugs, chemicals, and allied products .....	207	38.9	7.4	3.6
Apparel, fabrics, and notions .....	117	38.7	8.3	8.2
Groceries and related products .....	664	25.2	8.6	7.9

See footnotes at end of table.

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

(Numbers in thousands)

Industry	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Farm products-raw materials .....	128	23.4	5.8	4.1
Petroleum products .....	175	27.2	5.1	2.1
Alcoholic beverages .....	136	12.0	11.8	4.7
Farm supplies .....	132	22.6	4.8	3.3
Miscellaneous nondurable goods and not specified wholesale trade .....	263	35.0	3.6	8.4
<b>Retail trade .....</b>	<b>16,832</b>	<b>52.2</b>	<b>6.8</b>	<b>5.3</b>
Lumber and building material retailing .....	403	23.7	4.3	4.2
Hardware stores .....	188	34.9	2.1	2.6
Retail nurseries and garden stores .....	72	22.2	2.8	1.6
Department stores .....	1,964	70.1	9.2	5.4
Variety stores .....	132	70.2	8.4	7.7
Miscellaneous general merchandise stores .....	103	61.8	16.2	4.5
Grocery stores .....	2,376	47.1	7.8	5.7
Dairy products stores .....	55	65.1	2.6	3.5
Retail bakeries .....	147	64.5	2.1	7.8
Food stores, n.e.c. ....	183	45.2	5.9	6.4
Motor vehicle dealers .....	836	16.0	5.4	3.6
Auto and home supply stores .....	367	17.6	6.3	4.9
Gasoline service stations .....	557	18.3	4.7	5.8
Miscellaneous vehicle dealers .....	89	21.2	( <sup>1</sup> )	2.3
Apparel and accessory stores, except shoe .....	745	76.9	6.6	6.1
Shoe stores .....	175	55.7	5.6	6.3
Furniture and home furnishings stores .....	450	39.1	4.3	5.5
Household appliances, T.V., and radio stores .....	324	32.1	3.5	3.8
Eating and drinking places .....	4,875	57.5	8.5	6.3
Drug stores .....	507	62.4	6.5	3.7
Liquor stores .....	160	33.6	8.1	3.7
Sporting goods, bicycles, and hobby stores .....	248	51.2	3.2	2.6
Book and stationery stores .....	159	56.4	2.5	4.5
Jewelry stores .....	181	60.3	4.3	4.3
Sewing, needlework, and piece goods stores .....	70	90.2	2.6	.4
Mail order houses .....	72	73.7	5.2	3.7
Vending machine operators .....	69	36.1	8.9	5.1
Direct selling establishments .....	391	77.2	3.5	3.4
Fuel and ice dealers .....	102	18.9	3.1	.8
Retail florists .....	161	73.6	2.0	4.7
Miscellaneous retail stores and not specified retail trade .....	633	60.5	3.3	4.0
<b>Finance, insurance, and real estate .....</b>	<b>6,510</b>	<b>57.7</b>	<b>7.6</b>	<b>4.7</b>
Banking .....	1,816	70.0	9.7	5.5
Savings and loan associations .....	264	71.1	6.3	4.8
Credit agencies, n.e.c. ....	351	66.5	4.9	5.6
Security, commodity brokerage, and investment companies .....	477	39.4	5.9	2.4
Insurance .....	1,969	57.2	7.1	3.4
Real estate, including real estate-insurance law offices .....	1,632	46.0	7.1	5.8
<b>Services .....</b>	<b>31,082</b>	<b>60.6</b>	<b>11.3</b>	<b>4.7</b>
Private households .....	1,253	82.9	25.8	7.8
<b>Other service industries .....</b>	<b>29,829</b>	<b>59.7</b>	<b>10.7</b>	<b>4.5</b>
Business and repair services .....	4,916	34.8	8.6	6.1
Advertising .....	228	46.4	3.8	2.3
Services to dwellings and other buildings .....	471	41.0	17.8	11.4
Commercial research, development, and testing labs .....	194	28.5	4.2	5.3
Personnel supply services .....	375	75.1	15.9	4.3
Business management and consulting services .....	363	51.0	4.1	3.0
Computer and data processing services .....	409	38.4	7.5	2.0
Detective and protective services .....	298	18.6	17.1	7.5
Business services, n.e.c. ....	888	50.8	5.5	4.8
Automobile services, except repair .....	238	26.0	12.6	8.9
Automobile repair shops .....	835	8.0	6.5	7.7
Electrical repair shops .....	129	15.2	7.1	4.7
Miscellaneous repair services .....	486	16.1	4.6	7.8
Personnel services, except private household .....	2,824	66.5	11.1	7.2
Hotels and motels .....	892	57.9	15.5	8.5
Lodging places, except hotels and motels .....	408	81.4	8.1	4.3
Laundry, cleaning, and garment services .....	418	57.7	16.5	10.6
Beauty shops .....	630	88.6	7.1	5.5
Barber shops .....	93	15.5	8.2	11.7
Funeral service and crematories .....	79	27.1	11.8	3.5

See footnotes at end of table.

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

(Numbers in thousands)

Industry	1983			
	Total employed	Percent of total:		
		Women	Black	Hispanic origin
Entertainment and recreational services .....	1,215	39.2	8.3	5.7
Theaters and motion pictures .....	359	33.1	6.5	4.3
Bowling alleys, billiard and pool parlors .....	75	39.1	5.0	3.4
Miscellaneous entertainment and recreation services .....	781	42.0	9.4	6.5
Professional and related services .....	20,716	66.2	11.3	3.8
Hospitals .....	4,348	76.6	16.0	4.2
Health services, except hospitals .....	3,526	76.0	10.6	3.8
Offices of physicians .....	888	67.2	3.3	4.1
Offices of dentists .....	441	72.7	2.2	2.7
Offices of chiropractors .....	54	55.3	1.2	.7
Offices of optometrists .....	52	60.1	1.0	3.0
Nursing and personal care facilities .....	1,342	86.6	18.3	3.0
Educational services .....	7,883	63.9	11.0	3.8
Elementary and secondary schools .....	5,254	69.3	11.8	4.4
Colleges and universities .....	2,219	49.6	9.9	2.7
Business, trade, and vocational schools .....	72	56.9	7.8	2.1
Libraries .....	155	82.2	13.5	1.6
Educational services, n.e.c. ....	183	71.1	2.5	2.2
Social services .....	1,452	77.5	17.5	5.6
Job training and vocational rehabilitation services .....	136	49.7	12.8	2.8
Child day care services .....	418	95.7	18.5	4.6
Residential care facilities, without nursing .....	271	73.3	13.9	4.6
Social services, n.e.c. ....	628	73.2	19.4	7.3
Other professional services .....	3,507	43.7	4.5	2.4
Legal services .....	870	50.3	3.1	1.6
Museums, art galleries, and zoos .....	74	54.2	8.1	1.1
Religious organizations .....	698	41.8	6.2	2.5
Membership organizations .....	429	55.6	9.7	3.5
Engineering, architectural, and surveying services .....	594	22.1	2.7	3.0
Accounting, auditing, and bookkeeping services .....	500	48.8	2.1	2.4
Noncommercial educational and scientific research .....	136	42.5	7.1	1.5
Miscellaneous professional and related services .....	205	49.5	2.4	2.0
Forestry and fisheries .....	158	15.5	3.3	3.3
Forestry .....	95	20.9	4.1	4.1
Fisheries .....	63	7.3	2.2	2.0
Public administration .....	4,710	39.9	12.8	4.7
Executive and legislative offices .....	146	59.8	8.1	2.4
General government, n.e.c. ....	450	49.1	13.4	5.9
Justice, public order, and safety .....	1,565	27.1	11.8	4.0
Public finance, taxation, and monetary policy .....	326	60.5	12.5	3.3
Administration of human resources programs .....	625	62.9	18.1	5.3
Administration of environmental quality and housing programs .....	331	28.3	9.8	4.6
Administration of economic programs .....	474	39.2	10.2	4.2
National security and international affairs .....	773	35.4	14.2	6.1

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

NOTE: N.e.c. is an abbreviation for "not elsewhere classified" and

designates broad categories of industries which cannot be more specifically identified.

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**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					
	1982	1983	Total		Wage and salary workers <sup>1</sup>			
			1982	1983	Paid absences		Unpaid absences	
					1982	1983	1982	1983
Total, 18 years and over .....	5,712	5,563	5,573	5,413	2,870	2,777	2,071	2,051
Vacation .....	3,153	3,096	3,117	3,055	2,088	2,063	807	786
Illness .....	1,331	1,291	1,301	1,255	585	513	620	638
Bad weather .....	202	124	162	88	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Industrial dispute .....	38	91	36	91	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
All other reasons <sup>3</sup> .....	988	962	957	924	217	201	643	627
Men, 16 years and over .....	2,895	2,811	2,778	2,688	1,575	1,532	825	822
Vacation .....	1,555	1,516	1,526	1,484	1,162	1,143	247	239
Illness .....	703	701	878	672	317	296	289	319
All other reasons <sup>3</sup> .....	637	593	574	532	96	93	290	265
Women, 16 years and over .....	2,817	2,752	2,796	2,725	1,294	1,245	1,245	1,226
Vacation .....	1,598	1,581	1,591	1,571	928	920	560	548
Illness .....	628	589	623	583	247	217	331	318
All other reasons <sup>3</sup> .....	590	581	581	571	121	109	354	361

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

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

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

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

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

Hours of work	1983					
	Thousands of persons			Percent distribution		
	All industries	Agriculture	Nonagricultural industries	All industries	Agriculture	Nonagricultural industries
Total, 16 years and over .....	95,270	3,232	92,038	100.0	100.0	100.0
1 to 34 hours .....	24,895	1,017	23,878	26.1	31.5	25.9
1 to 4 hours .....	865	59	806	.9	1.8	.9
5 to 14 hours .....	4,528	245	4,283	4.8	7.6	4.7
15 to 29 hours .....	12,093	500	11,593	12.7	15.5	12.6
30 to 34 hours .....	7,409	213	7,196	7.8	8.6	7.8
35 hours and over .....	70,375	2,215	68,159	73.9	68.5	74.1
35 to 39 hours .....	6,818	137	6,681	7.2	4.2	7.3
40 hours .....	39,655	573	39,082	41.6	17.7	42.5
41 hours and over .....	23,902	1,505	22,396	25.1	46.6	24.3
41 to 48 hours .....	8,953	238	8,715	9.4	7.4	9.5
49 to 59 hours .....	8,481	428	8,052	8.9	13.2	8.7
60 hours and over .....	6,468	839	5,629	8.8	26.0	6.1
Average hours, total at work .....	38.3	43.4	36.1	-	-	-
Average hours, workers on full-time schedules .....	43.0	51.4	42.7	-	-	-

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	1983					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over .....	24,895	7,645	17,250	23,878	7,290	16,588
Economic reasons .....	6,266	1,927	4,339	5,997	1,826	4,171
Slack work .....	2,833	1,593	1,240	2,684	1,506	1,178
Material shortages or repairs to plant and equipment .....	59	59	-	57	57	-
New job started during week .....	181	181	-	174	174	-
Job terminated during week .....	93	93	-	88	88	-
Could find only part-time work .....	3,099	-	3,099	2,993	-	2,993
Other reasons .....	18,630	5,719	12,911	17,882	5,465	12,417
Does not want, or unavailable for, full-time work .....	10,699	-	10,699	10,341	-	10,341
Vacation .....	1,176	1,176	-	1,155	1,155	-
Illness .....	1,627	1,469	158	1,583	1,441	142
Bad weather .....	634	634	-	534	534	-
Industrial dispute .....	17	17	-	17	17	-
Legal or religious holiday .....	1,026	1,026	-	1,023	1,023	-
Full time for this job .....	1,503	-	1,503	1,457	-	1,457
All other reasons .....	1,949	1,397	552	1,773	1,295	478
Average hours:						
Economic reasons .....	21.6	24.4	20.3	21.7	24.6	20.4
Other reasons .....	21.2	26.8	18.7	21.3	27.0	18.8
Worked 30 to 34 hours:						
Economic reasons .....	1,851	869	982	1,796	839	957
Other reasons .....	5,558	3,309	2,249	5,400	3,215	2,185

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

(Numbers in thousands)

Industry	1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	92,038	5,997	12,417	73,624	51,228	8,715	13,681	38.1	42.7
Wage and salary workers .....	84,621	5,316	11,031	68,274	48,736	8,164	11,374	37.9	42.3
Mining .....	826	37	14	775	174	103	208	44.5	45.9
Construction .....	4,724	432	209	4,083	3,006	415	662	38.9	41.7
Manufacturing .....	18,524	754	588	17,182	12,343	2,461	2,378	40.8	42.0
Durable goods .....	10,863	309	235	10,319	7,418	1,458	1,443	41.1	42.1
Nondurable goods .....	7,661	445	354	6,862	4,924	1,003	935	39.9	42.0
Transportation and public utilities .....	6,206	233	303	5,670	3,957	698	1,015	41.0	42.9
Wholesale and retail trade .....	18,262	1,868	4,047	12,347	7,990	1,782	2,575	35.8	43.2
Finance, insurance, and real estate .....	5,694	141	503	5,050	3,796	516	738	38.9	41.3
Service industries .....	25,918	1,773	5,123	19,022	13,919	1,826	3,277	36.0	42.1
Private households .....	1,199	274	563	362	248	35	79	22.8	44.7
All other industries .....	24,719	1,499	4,560	18,660	13,671	1,791	3,198	36.6	42.1
Public administration .....	4,467	80	245	4,142	3,254	364	524	39.6	41.1
Self-employed workers .....	7,041	660	1,224	5,157	2,383	535	2,239	40.0	48.1
Unpaid family workers .....	376	21	161	194	109	17	68	34.8	46.3



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**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	1983							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
<b>TOTAL</b>								
Total, 16 years and over .....	92,038	5,997	12,417	73,624	51,228	22,396	38.1	42.7
16 to 19 years .....	5,817	894	2,894	2,029	1,624	405	25.2	40.3
16 to 17 years .....	2,097	246	1,550	301	251	50	18.5	38.7
18 to 19 years .....	3,720	649	1,344	1,727	1,373	354	28.9	40.5
20 years and over .....	86,221	5,103	9,523	71,595	49,603	21,992	39.0	42.7
20 to 24 years .....	12,773	1,281	1,929	9,563	7,112	2,451	36.2	41.6
25 years and over .....	73,448	3,822	7,594	62,032	42,491	19,541	39.4	42.9
25 to 44 years .....	46,676	2,521	4,047	40,108	27,078	13,030	39.9	43.0
45 to 64 years .....	24,363	1,183	2,393	20,787	14,608	6,179	39.5	42.7
65 years and over .....	2,408	118	1,154	1,136	803	333	29.2	42.7
<b>Men, 16 years and over</b> .....	51,396	2,758	3,690	44,948	28,291	16,657	41.0	44.0
16 to 19 years .....	2,932	437	1,361	1,134	872	262	26.3	40.7
16 to 17 years .....	1,053	125	752	176	143	33	19.2	39.2
18 to 19 years .....	1,879	312	809	958	731	227	30.2	41.0
20 years and over .....	48,464	2,321	2,329	43,814	27,417	16,397	41.9	44.1
20 to 24 years .....	6,645	617	781	5,247	3,584	1,663	38.0	42.8
25 years and over .....	41,819	1,704	1,548	38,567	23,834	14,733	42.5	44.3
25 to 44 years .....	26,338	1,136	561	24,641	14,870	9,771	43.1	44.5
45 to 64 years .....	14,094	508	394	13,192	8,478	4,714	42.5	44.0
65 years and over .....	1,387	59	593	735	488	247	31.2	43.6
<b>Women, 16 years and over</b> .....	40,642	3,240	8,727	28,675	22,936	5,739	34.4	40.5
16 to 19 years .....	2,885	456	1,533	896	753	143	24.1	39.7
16 to 17 years .....	1,044	119	798	127	111	16	17.8	38.0
18 to 19 years .....	1,841	337	735	769	642	127	27.6	39.9
20 years and over .....	37,757	2,783	7,194	27,780	22,183	5,597	35.2	40.6
20 to 24 years .....	6,128	664	1,148	4,316	3,529	787	34.3	40.2
25 years and over .....	31,629	2,119	6,046	23,464	18,656	4,808	35.4	40.6
25 to 44 years .....	20,338	1,386	3,485	15,467	12,208	3,259	35.8	40.6
45 to 64 years .....	10,269	675	2,000	7,594	6,130	1,464	35.4	40.5
65 years and over .....	1,022	59	561	402	316	86	26.6	41.2
<b>RACE</b>								
White, 16 years and over .....	81,023	4,952	11,365	64,706	43,949	20,757	38.2	42.9
Men .....	45,738	2,275	3,340	40,123	24,582	15,541	41.2	44.3
Women .....	35,285	2,677	8,025	24,583	19,367	5,216	34.3	40.7
Black, 16 years and over .....	8,620	891	768	6,961	5,792	1,169	36.7	40.6
Men .....	4,350	410	246	3,694	2,905	789	38.4	41.6
Women .....	4,270	481	522	3,267	2,887	380	35.0	39.5
<b>MARITAL STATUS</b>								
Men, 16 years and over:								
Married, spouse present .....	34,280	1,209	1,099	31,972	19,473	12,499	42.9	44.4
Widowed, divorced, or separated .....	4,556	293	221	4,042	2,544	1,498	41.4	44.1
Single (never married) .....	12,560	1,256	2,370	8,934	6,273	2,661	35.7	42.6
Women, 16 years and over:								
Married, spouse present .....	22,347	1,546	5,161	15,640	12,682	2,958	34.3	40.3
Widowed, divorced, or separated .....	7,873	633	975	6,265	4,832	1,433	36.9	41.0
Single (never married) .....	10,422	1,061	2,592	6,769	5,420	1,349	32.9	40.5

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

(Numbers in thousands)

Occupation and sex	1983								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over .....	91,740	5,920	12,347	73,474	51,058	8,705	13,711	38.1	42.7
Managerial and professional specialty .....	22,069	530	2,014	19,525	11,828	2,306	5,391	41.4	44.3
Executive, administrative, and managerial .....	10,285	157	494	9,634	5,448	1,205	2,981	43.6	45.2
Professional specialty .....	11,784	373	1,519	9,892	6,380	1,101	2,410	39.5	43.5
Technical, sales, and administrative support .....	29,730	1,497	5,104	23,129	17,018	2,488	3,623	37.0	41.8
Technicians and related support .....	2,905	65	326	2,514	1,935	275	304	38.8	41.4
Sales occupations .....	11,258	839	2,308	8,112	4,552	1,095	2,464	37.9	45.0
Administrative support, including clerical .....	15,567	593	2,470	12,504	10,532	1,117	855	36.0	39.9
Service occupations .....	13,123	1,770	3,688	7,667	5,853	748	1,065	32.4	41.9
Private household .....	940	193	460	286	198	27	61	23.1	44.3
Protective service .....	1,565	59	137	1,368	883	193	292	41.3	44.5
Service, except private household and protective .....	10,618	1,517	3,089	6,012	4,772	528	713	31.9	41.2
Precision production, craft, and repair .....	11,673	762	373	10,538	7,289	1,447	1,802	40.6	42.8
Operators, fabricators, and laborers .....	15,146	1,361	1,170	12,615	9,069	1,717	1,829	38.7	42.2
Machine operators, assemblers, and inspectors .....	7,293	530	291	6,473	4,937	899	637	39.3	41.2
Transportation and material moving occupations .....	3,915	303	248	3,364	1,980	481	903	41.5	45.0
Handlers, equipment cleaners, helpers, and laborers .....	3,938	528	632	2,778	2,152	337	290	34.8	41.0
Men, 16 years and over .....	51,019	2,680	3,594	44,744	28,084	5,842	10,818	41.1	44.1
Managerial and professional specialty .....	13,254	241	585	12,428	6,740	1,467	4,222	44.1	45.8
Executive, administrative, and managerial .....	8,970	97	200	6,674	3,397	842	2,436	45.2	46.4
Professional specialty .....	6,284	144	385	5,754	3,343	625	1,786	42.9	45.2
Technical, sales, and administrative support .....	10,610	304	933	9,373	5,479	1,281	2,613	41.7	44.7
Technicians and related support .....	1,511	20	89	1,402	1,012	185	225	40.7	42.4
Sales occupations .....	5,961	189	550	5,222	2,443	756	2,023	43.5	46.9
Administrative support, including clerical .....	3,137	95	293	2,749	2,023	361	385	39.0	41.8
Service occupations .....	5,279	521	1,024	3,734	2,890	416	627	36.0	43.0
Private household .....	38	10	15	13	9	1	3	23.7	( <sup>1</sup> )
Protective service .....	1,367	43	83	1,241	787	178	276	42.5	44.8
Service, except private household and protective .....	3,874	468	926	2,480	1,894	237	349	33.8	42.1
Precision production, craft, and repair .....	10,732	705	274	9,752	6,679	1,352	1,722	40.8	42.8
Operators, fabricators, and laborers .....	11,144	909	778	9,457	6,497	1,325	1,635	39.5	42.9
Machine operators, assemblers, and inspectors .....	4,228	218	112	3,899	2,818	583	497	40.6	42.0
Transportation and material moving occupations .....	3,828	267	156	3,205	1,868	459	878	42.3	45.1
Handlers, equipment cleaners, helpers, and laborers .....	3,288	424	511	2,353	1,810	284	259	35.1	41.1
Women, 16 years and over .....	40,722	3,239	8,753	28,730	22,973	2,863	2,893	34.4	40.5
Managerial and professional specialty .....	8,815	289	1,429	7,097	5,089	839	1,170	37.3	41.8
Executive, administrative, and managerial .....	3,315	81	295	2,960	2,052	363	545	40.1	42.4
Professional specialty .....	5,500	228	1,134	4,137	3,037	476	624	35.7	41.3
Technical, sales, and administrative support .....	19,120	1,193	4,171	13,757	11,539	1,206	1,011	34.3	39.9
Technicians and related support .....	1,394	45	237	1,112	923	110	79	36.3	40.1
Sales occupations .....	5,297	650	1,757	2,890	2,109	340	441	31.7	41.5
Administrative support, including clerical .....	12,430	498	2,177	9,755	8,508	757	490	35.2	39.4
Service occupations .....	7,843	1,249	2,662	3,933	3,183	332	438	30.0	40.9
Private household .....	902	184	445	273	189	26	58	23.1	44.2
Protective service .....	198	16	54	127	98	15	16	32.8	41.6
Service, except private household and protective .....	8,744	1,049	2,162	3,533	2,878	290	364	30.8	40.6
Precision production, craft, and repair .....	941	57	99	785	610	95	81	37.6	40.8
Operators, fabricators, and laborers .....	4,002	452	392	3,158	2,573	391	194	36.4	40.1
Machine operators, assemblers, and inspectors .....	3,065	312	179	2,574	2,119	316	139	37.4	40.0
Transportation and material moving occupations .....	287	36	92	159	112	22	24	32.0	41.9
Handlers, equipment cleaners, helpers, and laborers .....	650	104	121	425	341	53	31	33.8	40.1

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

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

(In thousands)

Reason and sex	Total		Age							
	1982	1983	16 to 19 years		20 to 24 years		25 to 59 years		60 years and over	
			1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>										
Total not in labor force .....	62,067	62,665	7,238	7,104	4,763	4,747	21,890	22,067	28,176	28,747
Do not want a job now .....	55,508	56,161	5,528	5,550	3,639	3,633	18,766	18,789	27,573	28,195
Current activity:										
Going to school .....	6,427	6,583	4,188	4,214	1,529	1,571	698	781	10	21
Ill, disabled .....	4,034	3,915	33	40	104	106	1,912	1,871	1,985	1,898
Keeping house .....	28,409	28,358	409	416	1,517	1,472	13,637	13,509	12,845	12,962
Retired .....	12,326	13,019	-	-	-	-	283	340	12,043	12,679
Other activity .....	4,312	4,288	898	880	489	484	2,236	2,288	690	635
Want a job now .....	6,559	6,503	1,709	1,553	1,121	1,113	3,125	3,280	601	556
Reason for not looking:										
School attendance .....	1,732	1,808	1,186	1,072	320	295	224	231	3	7
Ill health, disability .....	769	765	28	20	59	63	513	535	168	147
Home responsibilities .....	1,391	1,413	96	90	319	322	942	964	32	37
Think cannot get a job .....	1,568	1,641	238	220	241	270	850	940	238	212
Job-market factors .....	1,181	1,248	176	155	191	218	683	766	131	109
Personal factors .....	388	394	62	66	50	52	166	175	107	103
Other reasons <sup>1</sup> .....	1,099	1,076	161	151	182	163	596	610	160	153
<b>Men</b>										
Total not in labor force .....	19,073	19,484	3,409	3,356	1,531	1,539	3,543	3,749	10,589	10,841
Do not want a job now .....	16,862	17,274	2,551	2,571	1,147	1,153	2,860	2,963	10,302	10,590
Current activity:										
Going to school .....	3,230	3,289	2,074	2,089	825	835	328	360	2	5
Ill, disabled .....	2,187	2,092	17	18	60	62	1,094	1,051	1,016	963
Keeping house .....	309	303	10	15	8	9	80	84	210	196
Retired .....	8,824	9,230	-	-	-	-	227	279	8,597	8,951
Other activity .....	2,312	2,360	450	449	254	247	1,131	1,189	477	475
Want a job now .....	2,212	2,210	857	786	383	384	687	787	285	251
Reason for not looking:										
School attendance .....	923	857	650	591	176	170	94	92	3	3
Ill health, disability .....	325	338	13	8	25	31	208	236	78	62
Think cannot get a job .....	587	650	114	118	111	125	245	295	116	112
Other reasons <sup>1</sup> .....	377	365	80	69	71	58	140	164	88	74
<b>Women</b>										
Total not in labor force .....	42,993	43,181	3,828	3,748	3,232	3,208	18,347	18,319	17,586	17,906
Do not want a job now .....	38,646	38,887	2,976	2,981	2,492	2,478	15,907	15,828	17,270	17,600
Current activity:										
Going to school .....	3,197	3,294	2,113	2,125	703	734	372	420	7	14
Ill, disabled .....	1,847	1,823	16	22	45	44	817	823	968	933
Keeping house .....	28,100	28,053	399	401	1,508	1,463	13,559	13,425	12,637	12,765
Retired .....	3,502	3,789	-	-	-	-	55	61	3,446	3,728
Other activity .....	2,000	1,928	448	433	236	237	1,104	1,099	212	160
Want a job now .....	4,347	4,293	852	767	740	729	2,438	2,490	316	305
Reason not looking:										
School attendance .....	809	751	536	481	145	126	129	140	-	5
Ill health, disability .....	444	427	15	12	34	32	305	297	90	85
Home responsibilities .....	1,391	1,413	96	90	319	322	942	964	32	37
Think cannot get a job .....	981	991	124	102	130	145	605	643	122	100
Other reasons .....	722	711	81	82	112	104	457	446	72	78

<sup>1</sup> Includes small number of men not looking for work because of "home responsibilities."  
NOTE: Detail in tables 35 and 36 may not add to not-in-labor-force

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

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			
	1982	1983	16 to 24 years		25 to 59 years		60 years and over		Men		Women	
			1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>WHITE</b>												
Total not in labor force .....	53,298	53,784	9,270	9,112	18,610	18,761	25,417	25,911	16,078	16,441	37,220	37,342
Do not want a job now .....	48,602	49,046	7,329	7,254	16,340	16,337	24,928	25,453	14,493	14,841	34,109	34,205
Current activity:												
Going to school .....	5,072	5,144	4,540	4,544	523	582	7	17	2,574	2,585	2,498	2,559
Ill, disabled .....	3,275	3,151	102	109	1,522	1,478	1,650	1,565	1,789	1,707	1,486	1,444
Keeping house .....	25,608	25,497	1,628	1,557	12,208	12,093	11,772	11,847	253	250	25,355	25,247
Retired .....	11,731	11,765	-	-	258	310	10,873	11,455	8,018	8,404	3,113	3,361
Other activity .....	3,516	3,489	1,059	1,044	1,829	1,874	626	569	1,859	1,895	1,657	1,594
Want a job now .....	4,697	4,737	1,940	1,857	2,270	2,423	490	456	1,584	1,600	3,113	3,137
Reason for not looking:												
School attendance .....	1,219	1,161	1,064	986	153	170	2	7	662	623	557	538
Ill health, disability .....	532	582	61	63	352	386	120	119	244	253	288	309
Home responsibilities .....	1,025	1,039	260	267	738	740	26	32	-	-	1,025	1,039
Think cannot get a job .....	1,042	1,125	294	305	552	646	195	173	380	450	662	675
Other reasons <sup>1</sup> .....	879	850	261	236	475	481	147	131	298	274	581	576
<b>BLACK</b>												
Total not in labor force .....	7,254	7,278	2,277	2,279	2,589	2,564	2,389	2,434	2,480	2,482	4,773	4,796
Do not want a job now .....	5,594	5,707	1,471	1,537	1,841	1,827	2,267	2,345	1,934	1,942	3,661	3,763
Current activity:												
Going to school .....	984	1,050	905	957	78	91	2	3	449	475	534	574
Ill, disabled .....	694	694	35	36	351	355	310	303	361	345	334	349
Keeping house .....	2,209	2,238	247	271	1,039	1,006	925	962	53	46	2,158	2,191
Retired .....	1,020	1,049	-	-	21	22	998	1,028	679	686	340	363
Other activity .....	687	676	284	273	352	353	52	49	392	390	295	286
Want a job now .....	1,658	1,571	807	743	749	735	100	92	546	539	1,112	1,033
Reason for not looking:												
School attendance .....	434	393	390	349	43	42	-	1	214	204	220	190
Ill health, disability .....	222	187	24	18	152	136	45	33	74	79	148	108
Home responsibilities .....	329	332	146	134	178	194	5	4	-	-	329	332
Think cannot get a job .....	482	470	172	172	272	265	37	35	191	179	290	291
Other reasons <sup>1</sup> .....	191	189	75	70	104	98	13	19	67	77	125	112
<b>HISPANIC ORIGIN</b>												
Total not in labor force .....	3,417	3,491	1,042	1,036	1,628	1,697	747	759	897	873	2,520	2,618
Do not want a job now .....	2,933	3,012	818	826	1,387	1,450	729	737	749	728	2,185	2,284
Current activity:												
Going to school .....	472	489	434	443	39	43	-	2	228	220	245	269
Ill, disabled .....	222	231	17	12	132	159	73	60	111	120	110	110
Keeping house .....	1,645	1,706	234	256	1,085	1,110	327	341	14	14	1,632	1,692
Retired .....	322	322	-	-	9	6	312	316	233	230	89	93
Other activity .....	272	264	133	115	122	132	17	18	163	144	109	120
Want a job now .....	483	477	226	211	241	246	17	20	150	146	335	332
Reason for not looking:												
School attendance .....	111	118	97	98	14	21	-	-	61	60	50	58
Ill health, disability .....	46	59	9	9	33	42	4	8	27	26	20	34
Home responsibilities .....	160	128	52	44	108	84	-	-	-	-	160	128
Think cannot get a job .....	98	109	37	38	51	62	10	8	38	39	60	70
Other reasons <sup>1</sup> .....	68	63	31	22	35	37	3	4	24	21	45	42

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

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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**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	1983							
	Total	Age				Race and Hispanic origin		
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black	Hispanic origin
<b>TOTAL</b>								
Personal factors:								
Employers think too young or old .....	144	23	-	32	90	119	21	4
Lacks education or training .....	163	31	39	87	6	109	43	13
Other personal handicap .....	87	12	13	56	7	67	16	6
Job-market factors:								
Could not find work .....	680	100	134	391	54	412	255	52
Thinks no job available .....	568	55	84	375	55	417	134	35
<b>Men</b>								
Personal factors:								
Employers think too young or old .....	69	11	-	11	47	56	11	1
Lacks education or training .....	51	15	18	17	1	30	17	4
Other personal handicap .....	29	5	5	18	2	23	5	1
Job-market factors:								
Could not find work .....	291	59	70	132	31	183	103	18
Thinks no job available .....	210	28	33	118	32	158	43	15
<b>Women</b>								
Personal factors:								
Employers think too young or old .....	75	11	-	21	43	63	10	3
Lacks education or training .....	112	16	23	69	4	79	27	9
Other personal handicap .....	57	8	8	37	6	44	11	5
Job-market factors:								
Could not find work .....	389	41	65	259	25	229	152	33
Thinks no job available .....	358	27	51	259	23	259	91	20

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.

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			
	1982	1983	16 to 24 years		25 to 59 years		60 years and over		White		Black	
			1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>												
Do not intend to seek work .....	51,889	52,378	6,305	6,228	17,975	17,951	27,613	28,200	45,409	45,773	5,308	5,349
Intend to seek work in the next 12 months .....	10,175	10,285	5,697	5,623	3,916	4,115	563	547	7,887	8,009	1,946	1,929
Never worked .....	1,986	2,039	1,815	1,870	165	158	6	10	1,336	1,401	537	549
Last worked over 5 years ago .....	1,202	1,221	62	87	987	988	153	147	895	912	277	266
Last worked 1 to 5 years ago .....	2,428	2,660	859	930	1,355	1,532	213	197	1,803	2,007	552	561
Worked during previous 12 months .....	4,559	4,365	2,961	2,734	1,408	1,438	190	192	3,853	3,688	580	552
<b>Men</b>												
Do not intend to seek work .....	15,302	15,646	2,310	2,244	2,683	2,830	10,310	10,571	13,128	13,429	1,804	1,802
Intend to seek work in the next 12 months .....	3,770	3,837	2,630	2,650	861	919	279	270	2,949	3,012	676	680
Never worked .....	872	931	829	899	44	29	1	2	585	654	231	236
Last worked over 5 years ago .....	197	193	17	17	116	115	64	61	136	130	52	51
Last worked 1 to 5 years ago .....	724	789	303	328	308	362	111	98	537	593	164	161
Worked during previous 12 months .....	1,977	1,925	1,482	1,403	393	411	103	109	1,691	1,635	229	232
<b>Women</b>												
Do not intend to seek work .....	36,587	36,731	3,992	3,983	15,293	15,121	17,303	17,628	32,281	32,344	3,504	3,547
Intend to seek work in the next 12 months .....	6,404	6,448	3,067	2,972	3,055	3,197	284	278	4,938	4,997	1,269	1,249
Never worked .....	1,113	1,108	989	971	121	128	4	8	751	747	306	314
Last worked over 5 years ago .....	1,005	1,029	46	69	871	872	89	86	759	782	225	215
Last worked 1 to 5 years ago .....	1,705	1,871	556	602	1,048	1,170	102	100	1,266	1,414	388	400
Worked during previous 12 months .....	2,582	2,440	1,479	1,330	1,016	1,028	88	83	2,162	2,053	351	320

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**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	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	172,271	174,215	149,441	150,805	18,584	18,925	9,400	12,771
Civilian labor force .....	110,204	111,550	96,143	97,021	11,331	11,647	5,983	8,119
Percent of population .....	64.0	64.0	64.3	64.3	61.0	61.5	63.6	63.6
Employed .....	99,526	100,634	87,903	88,893	9,189	9,375	5,158	6,995
Agriculture .....	3,401	3,383	3,142	3,119	188	193	253	369
Nonagricultural industries .....	96,125	97,450	84,761	85,774	9,001	9,182	4,905	6,626
Unemployed .....	10,676	10,717	8,241	8,128	2,142	2,272	825	1,124
Unemployment rate .....	9.7	9.6	8.6	8.4	18.9	19.5	13.8	13.8
Not in labor force .....	62,067	62,665	53,298	53,784	7,254	7,278	3,417	4,653
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	81,523	82,531	71,211	71,922	8,283	8,447	4,499	6,045
Civilian labor force .....	62,450	63,047	55,133	55,480	5,804	5,966	3,601	4,858
Percent of population .....	76.8	76.4	77.4	77.1	70.1	70.6	80.0	80.4
Employed .....	56,271	58,767	50,287	50,821	4,637	4,753	3,111	4,196
Agriculture .....	2,736	2,704	2,518	2,484	163	165	214	311
Nonagricultural industries .....	53,534	54,083	47,770	48,138	4,474	4,587	2,897	3,885
Unemployed .....	6,179	8,260	4,846	4,859	1,167	1,213	490	661
Unemployment rate .....	9.9	9.9	8.8	8.8	20.1	20.3	13.6	13.6
Not in labor force .....	19,073	19,484	16,078	16,441	2,481	2,482	897	1,187
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	73,644	74,872	64,655	65,581	7,186	7,360	3,894	5,289
Civilian labor force .....	57,980	58,744	51,200	51,716	5,368	5,533	3,297	4,462
Percent of population .....	78.7	78.5	79.2	78.9	74.7	75.2	84.7	84.7
Employed .....	52,891	53,487	47,209	47,618	4,414	4,531	2,901	3,917
Agriculture .....	2,422	2,429	2,218	2,225	150	152	195	283
Nonagricultural industries .....	50,469	51,058	44,990	45,393	4,264	4,379	2,706	3,633
Unemployed .....	5,089	5,257	3,991	4,098	954	1,002	395	545
Unemployment rate .....	8.8	8.9	7.8	7.9	17.8	18.1	12.0	12.2
Not in labor force .....	15,664	16,129	13,455	13,865	1,819	1,828	597	807
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	90,748	91,684	78,230	78,884	10,300	10,477	4,901	6,726
Civilian labor force .....	47,755	48,503	41,010	41,541	5,527	5,681	2,382	3,261
Percent of population .....	52.6	52.9	52.4	52.7	53.7	54.2	48.6	48.5
Employed .....	43,256	44,047	37,615	38,272	4,552	4,622	2,047	2,798
Agriculture .....	665	680	624	635	25	28	39	58
Nonagricultural industries .....	42,591	43,367	36,991	37,836	4,527	4,595	2,008	2,740
Unemployed .....	4,499	4,457	3,395	3,270	975	1,059	335	462
Unemployment rate .....	9.4	9.2	8.3	7.9	17.6	18.6	14.1	14.2
Not in labor force .....	42,993	43,181	37,220	37,342	4,773	4,796	2,520	3,466
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	82,884	84,069	71,711	72,601	9,146	9,340	4,325	5,981
Civilian labor force .....	43,699	44,636	37,425	38,119	5,140	5,306	2,157	2,972
Percent of population .....	52.7	53.1	52.2	52.5	56.2	56.8	49.9	49.9
Employed .....	40,086	41,004	34,710	35,476	4,347	4,428	1,886	2,592
Agriculture .....	601	820	585	580	21	25	33	52
Nonagricultural industries .....	39,485	40,384	34,144	34,896	4,328	4,403	1,853	2,541
Unemployed .....	3,613	3,632	2,715	2,643	793	878	271	380
Unemployment rate .....	8.3	6.1	7.3	6.9	15.4	16.5	12.6	12.8
Not in labor force .....	39,165	39,433	34,286	34,482	4,006	4,034	2,168	2,989
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	15,763	15,274	13,076	12,623	2,252	2,225	1,182	1,541
Civilian labor force .....	8,526	8,171	7,518	7,186	824	809	530	685
Percent of population .....	54.1	53.5	57.5	56.9	36.6	36.4	44.8	44.5
Employed .....	6,549	6,342	5,984	5,799	428	418	371	486
Agriculture .....	378	334	358	314	16	16	25	34
Nonagricultural industries .....	6,171	6,008	5,626	5,485	412	400	346	451
Unemployed .....	1,977	1,829	1,534	1,387	396	392	159	199
Unemployment rate .....	23.2	22.4	20.4	19.3	48.0	48.5	29.9	29.1
Not in labor force .....	7,238	7,104	5,557	5,436	1,429	1,416	652	858

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.

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 <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>								
Civilian noninstitutional population .....	9,400	9,632	5,679	5,788	1,215	1,239	749	765
Civilian labor force .....	5,983	6,142	3,745	3,800	622	610	474	523
Percent of population .....	63.6	63.8	65.9	65.7	51.2	49.2	63.3	68.4
Employed .....	5,158	5,303	3,222	3,242	513	512	421	461
Agriculture .....	253	276	232	253	5	4	3	4
Nonagricultural industries .....	4,905	5,027	2,990	2,989	508	509	418	457
Unemployed .....	825	839	522	558	110	97	53	62
Unemployment rate .....	13.8	13.7	13.9	14.7	17.6	15.9	11.2	11.9
Not in labor force .....	3,417	3,491	1,934	1,988	593	630	275	242
<b>Men, 16 years and over</b>								
Civilian noninstitutional population .....	4,499	4,548	2,814	2,827	539	518	352	354
Civilian labor force .....	3,601	3,675	2,321	2,331	382	372	266	286
Percent of population .....	80.0	80.8	82.5	82.5	70.9	71.8	75.6	80.8
Employed .....	3,111	3,178	1,999	1,992	315	309	238	253
Agriculture .....	214	235	196	213	4	4	3	4
Nonagricultural industries .....	2,897	2,944	1,804	1,779	312	305	235	249
Unemployed .....	490	497	322	339	66	63	29	33
Unemployment rate .....	13.6	13.5	13.9	14.6	17.3	17.0	10.8	11.6
Not in labor force .....	897	873	492	496	158	146	85	68
<b>Men, 20 years and over</b>								
Civilian noninstitutional population .....	3,894	3,978	2,422	2,461	451	440	319	319
Civilian labor force .....	3,297	3,372	2,103	2,121	352	346	250	262
Percent of population .....	84.7	84.8	86.8	86.2	78.0	78.6	78.4	82.1
Employed .....	2,901	2,962	1,847	1,840	299	297	227	234
Agriculture .....	195	212	178	192	4	3	3	4
Nonagricultural industries .....	2,706	2,749	1,669	1,648	295	293	224	230
Unemployed .....	395	411	256	281	54	49	24	28
Unemployment rate .....	12.0	12.2	12.2	13.2	15.3	14.2	9.4	10.7
Not in labor force .....	597	606	319	340	98	94	69	57
<b>Women, 16 years and over</b>								
Civilian noninstitutional population .....	4,901	5,084	2,865	2,961	676	722	397	411
Civilian labor force .....	2,382	2,466	1,423	1,468	241	238	207	237
Percent of population .....	48.6	48.5	49.7	49.6	35.7	33.0	52.1	57.7
Employed .....	2,047	2,124	1,223	1,250	197	204	183	208
Agriculture .....	39	41	36	41	1	-	-	-
Nonagricultural industries .....	2,008	2,083	1,187	1,210	197	204	183	208
Unemployed .....	335	342	200	218	43	34	24	29
Unemployment rate .....	14.1	13.8	14.1	14.9	18.0	14.4	11.7	12.1
Not in labor force .....	2,520	2,618	1,442	1,492	435	484	190	174
<b>Women, 20 years and over</b>								
Civilian noninstitutional population .....	4,325	4,505	2,498	2,607	590	633	366	378
Civilian labor force .....	2,157	2,249	1,267	1,323	217	218	193	221
Percent of population .....	49.9	49.9	50.7	50.7	36.8	34.4	52.7	58.5
Employed .....	1,886	1,968	1,109	1,148	183	191	172	194
Agriculture .....	33	38	31	37	1	-	-	-
Nonagricultural industries .....	1,853	1,930	1,078	1,111	182	191	172	194
Unemployed .....	271	281	158	175	34	27	21	27
Unemployment rate .....	12.6	12.5	12.5	13.2	15.8	12.4	10.9	12.2
Not in labor force .....	2,168	2,257	1,231	1,283	373	415	173	157
<b>Both sexes, 16 to 19 years</b>								
Civilian noninstitutional population .....	1,182	1,148	759	721	175	166	64	68
Civilian labor force .....	530	520	374	355	53	45	31	40
Percent of population .....	44.8	45.3	49.3	49.2	30.3	27.1	48.4	58.8
Employed .....	371	373	266	254	32	24	22	33
Agriculture .....	25	26	23	24	-	-	-	-
Nonagricultural industries .....	346	347	243	230	32	24	22	33
Unemployed .....	159	148	108	101	22	21	8	7
Unemployment rate .....	29.9	28.4	28.8	28.5	40.7	46.4	(?)	17.6
Not in labor force .....	652	628	385	365	121	121	33	28

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

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



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

(In thousands)

Category	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	99,526	100,834	87,903	88,893	9,189	9,375	5,158	6,995
Men .....	56,271	56,787	50,287	50,621	4,637	4,753	3,111	4,196
Women .....	43,256	44,047	37,615	38,272	4,552	4,622	2,047	2,798
<b>OCCUPATION</b>								
Managerial and professional specialty .....	23,152	23,592	21,302	21,608	( <sup>1</sup> )	1,324	( <sup>1</sup> )	625
Executive, administrative, and managerial .....	10,597	10,772	9,930	10,016	( <sup>1</sup> )	504	( <sup>1</sup> )	305
Professional specialty .....	12,555	12,820	11,371	11,592	( <sup>1</sup> )	820	( <sup>1</sup> )	320
Technical, sales, and administrative support .....	30,770	31,265	27,694	28,159	( <sup>1</sup> )	2,380	( <sup>1</sup> )	1,344
Technicians and related support .....	3,013	3,053	2,654	2,689	( <sup>1</sup> )	251	( <sup>1</sup> )	94
Sales occupations .....	11,249	11,818	10,482	10,999	( <sup>1</sup> )	558	( <sup>1</sup> )	436
Administrative support, including clerical .....	16,507	16,395	14,559	14,471	( <sup>1</sup> )	1,571	( <sup>1</sup> )	815
Service occupations .....	13,494	13,857	10,843	11,123	( <sup>1</sup> )	2,295	( <sup>1</sup> )	937
Private household .....	1,043	980	730	686	( <sup>1</sup> )	272	( <sup>1</sup> )	83
Protective service .....	1,609	1,672	1,372	1,419	( <sup>1</sup> )	228	( <sup>1</sup> )	78
Service, except private household and protective .....	10,842	11,205	8,741	9,019	( <sup>1</sup> )	1,795	( <sup>1</sup> )	776
Precision production, craft, and repair .....	11,775	12,328	10,746	11,219	( <sup>1</sup> )	841	( <sup>1</sup> )	762
Mechanics and repairers .....	3,927	4,158	3,600	3,797	( <sup>1</sup> )	281	( <sup>1</sup> )	222
Construction trades .....	3,957	4,289	3,610	3,929	( <sup>1</sup> )	285	( <sup>1</sup> )	256
Other precision production, craft, and repair .....	3,892	3,881	3,536	3,493	( <sup>1</sup> )	275	( <sup>1</sup> )	284
Operators, fabricators, and laborers .....	16,550	16,091	13,865	13,444	( <sup>1</sup> )	2,256	( <sup>1</sup> )	1,328
Machine operators, assemblers, and inspectors .....	7,874	7,744	6,552	6,414	( <sup>1</sup> )	1,081	( <sup>1</sup> )	724
Transportation and material moving occupations .....	4,198	4,201	3,616	3,592	( <sup>1</sup> )	547	( <sup>1</sup> )	249
Handlers, equipment cleaners, helpers, and laborers .....	4,478	4,147	3,697	3,438	( <sup>1</sup> )	628	( <sup>1</sup> )	356
Construction laborers .....	561	595	459	492	( <sup>1</sup> )	96	( <sup>1</sup> )	67
Other handlers, equipment cleaners, helpers, and laborers .....	3,916	3,551	3,238	2,945	( <sup>1</sup> )	532	( <sup>1</sup> )	288
Farming, forestry, and fishing .....	3,751	3,700	3,390	3,339	( <sup>1</sup> )	279	( <sup>1</sup> )	305
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,505	1,579	1,306	1,377	157	160	231	247
Self-employed workers .....	1,636	1,565	1,579	1,508	28	30	21	26
Unpaid family workers .....	261	240	256	233	1	4	1	2
Nonagricultural industries:								
Wage and salary workers .....	88,462	89,500	77,601	78,351	8,675	8,860	4,620	4,759
Government .....	15,516	15,537	12,970	12,890	2,153	2,239	683	694
Private industries .....	72,945	73,963	64,630	65,461	6,522	6,621	3,935	4,065
Private households .....	1,207	1,247	857	895	327	322	95	96
Other industries .....	71,738	72,716	63,773	64,566	6,195	6,300	3,840	3,968
Self-employed workers .....	7,262	7,575	6,788	7,073	318	315	269	255
Unpaid family workers .....	401	376	373	350	9	6	17	13
<b>FULL- AND PART-TIME STATUS<sup>2</sup></b>								
Full-time schedules .....	79,118	80,395	69,728	70,751	7,398	7,553	4,191	4,308
Part time for economic reasons .....	6,169	6,266	5,138	5,174	880	930	444	452
Part time for noneconomic reasons .....	14,239	14,172	13,037	12,968	911	892	523	542

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

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

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

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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 <sup>1</sup>		Mexican origin		Puerto Rican origin		Cuban origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>CHARACTERISTIC</b>								
Total (all civilian workers) .....	5,158	6,995	3,222	3,242	513	512	421	461
Men .....	3,111	4,196	1,999	1,992	315	309	238	253
Women .....	2,047	2,798	1,223	1,250	197	204	183	208
<b>OCCUPATION</b>								
Managerial and professional specialty .....	( <sup>2</sup> )	625	( <sup>2</sup> )	312	( <sup>2</sup> )	63	( <sup>2</sup> )	77
Executive, administrative, and managerial .....	( <sup>2</sup> )	305	( <sup>2</sup> )	159	( <sup>2</sup> )	28	( <sup>2</sup> )	37
Professional specialty .....	( <sup>2</sup> )	320	( <sup>2</sup> )	153	( <sup>2</sup> )	35	( <sup>2</sup> )	39
Technical, sales, and administrative support .....	( <sup>2</sup> )	1,344	( <sup>2</sup> )	754	( <sup>2</sup> )	147	( <sup>2</sup> )	146
Technicians and related support .....	( <sup>2</sup> )	94	( <sup>2</sup> )	51	( <sup>2</sup> )	10	( <sup>2</sup> )	10
Sales occupations .....	( <sup>2</sup> )	436	( <sup>2</sup> )	245	( <sup>2</sup> )	39	( <sup>2</sup> )	47
Administrative support, including clerical .....	( <sup>2</sup> )	815	( <sup>2</sup> )	458	( <sup>2</sup> )	98	( <sup>2</sup> )	89
Service occupations .....	( <sup>2</sup> )	937	( <sup>2</sup> )	538	( <sup>2</sup> )	108	( <sup>2</sup> )	68
Private household .....	( <sup>2</sup> )	83	( <sup>2</sup> )	44	( <sup>2</sup> )	4	( <sup>2</sup> )	2
Protective service .....	( <sup>2</sup> )	78	( <sup>2</sup> )	36	( <sup>2</sup> )	17	( <sup>2</sup> )	6
Service, except private household and protective .....	( <sup>2</sup> )	776	( <sup>2</sup> )	459	( <sup>2</sup> )	87	( <sup>2</sup> )	60
Precision production, craft, and repair .....	( <sup>2</sup> )	762	( <sup>2</sup> )	515	( <sup>2</sup> )	63	( <sup>2</sup> )	54
Mechanics and repairers .....	( <sup>2</sup> )	222	( <sup>2</sup> )	139	( <sup>2</sup> )	24	( <sup>2</sup> )	21
Construction trades .....	( <sup>2</sup> )	256	( <sup>2</sup> )	192	( <sup>2</sup> )	16	( <sup>2</sup> )	14
Other precision production, craft, and repair .....	( <sup>2</sup> )	284	( <sup>2</sup> )	184	( <sup>2</sup> )	23	( <sup>2</sup> )	18
Operators, fabricators, and laborers .....	( <sup>2</sup> )	1,328	( <sup>2</sup> )	852	( <sup>2</sup> )	126	( <sup>2</sup> )	112
Machine operators, assemblers, and inspectors .....	( <sup>2</sup> )	724	( <sup>2</sup> )	443	( <sup>2</sup> )	79	( <sup>2</sup> )	65
Transportation and material moving occupations .....	( <sup>2</sup> )	249	( <sup>2</sup> )	165	( <sup>2</sup> )	20	( <sup>2</sup> )	17
Handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	356	( <sup>2</sup> )	243	( <sup>2</sup> )	27	( <sup>2</sup> )	30
Construction laborers .....	( <sup>2</sup> )	67	( <sup>2</sup> )	56	( <sup>2</sup> )	1	( <sup>2</sup> )	3
Other handlers, equipment cleaners, helpers, and laborers .....	( <sup>2</sup> )	288	( <sup>2</sup> )	187	( <sup>2</sup> )	25	( <sup>2</sup> )	27
Farming, forestry, and fishing .....	( <sup>2</sup> )	305	( <sup>2</sup> )	270	( <sup>2</sup> )	5	( <sup>2</sup> )	5
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	231	247	220	234	4	4	-	1
Self-employed workers .....	21	26	12	17	1	-	3	2
Unpaid family workers .....	1	2	-	2	-	-	-	-
Nonagricultural industries:								
Wage and salary workers .....	4,620	4,759	2,831	2,837	493	490	378	424
Government .....	683	694	450	454	83	81	33	33
Private industries .....	3,935	4,065	2,381	2,383	410	409	345	391
Private households .....	95	96	57	54	4	4	-	2
Other industries .....	3,840	3,968	2,324	2,329	406	405	345	389
Self-employed workers .....	269	255	148	144	13	18	38	31
Unpaid family workers .....	17	13	11	8	2	1	2	3
<b>FULL- AND PART-TIME STATUS<sup>3</sup></b>								
Full-time schedules .....	4,191	4,306	2,579	2,602	440	436	348	383
Part time for economic reasons .....	444	452	324	317	34	29	23	26
Part time for noneconomic reasons .....	523	542	319	323	40	47	50	52

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

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

standards for publication.

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

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

(In thousands)

Sex and age	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	99,526	100,834	87,903	88,893	9,189	9,375	5,158	6,995
16 to 19 years .....	8,549	6,342	5,984	5,799	428	416	371	486
16 to 17 years .....	2,505	2,320	2,317	2,156	138	123	112	139
18 to 19 years .....	4,044	4,022	3,667	3,643	290	294	260	347
20 to 24 years .....	13,890	13,722	12,097	12,138	1,283	1,280	848	1,126
25 years and over .....	79,289	80,770	69,821	70,956	7,478	7,679	3,939	5,383
25 to 54 years .....	64,951	66,528	56,882	58,110	6,324	6,539	3,524	4,811
55 years and over .....	14,337	14,242	12,939	12,846	1,153	1,141	415	572
Men, 16 years and over .....	56,271	56,787	50,287	50,821	4,637	4,753	3,111	4,196
16 to 19 years .....	3,379	3,300	3,079	3,003	223	222	210	280
16 to 17 years .....	1,307	1,213	1,214	1,124	65	64	84	79
18 to 19 years .....	2,072	2,087	1,865	1,879	158	158	146	201
20 to 24 years .....	7,197	7,232	6,372	6,386	660	684	499	648
25 years and over .....	45,694	46,255	40,836	41,232	3,754	3,847	2,402	3,270
25 to 54 years .....	37,138	37,799	33,025	33,511	3,161	3,266	2,126	2,908
55 years and over .....	8,557	8,456	7,812	7,721	593	582	276	363
Women, 16 years and over .....	43,256	44,047	37,615	38,272	4,552	4,622	2,047	2,798
16 to 19 years .....	3,170	3,043	2,905	2,796	205	194	161	206
16 to 17 years .....	1,198	1,107	1,103	1,032	73	59	47	60
18 to 19 years .....	1,972	1,935	1,802	1,764	132	136	114	146
20 to 24 years .....	6,492	6,490	5,724	5,751	623	598	349	478
25 years and over .....	33,594	34,514	28,985	29,724	3,724	3,832	1,537	2,115
25 to 54 years .....	27,813	28,729	23,857	24,599	3,163	3,273	1,397	1,904
55 years and over .....	5,781	5,786	5,127	5,125	560	559	138	210

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	
	1982	1983	1982	1983	1982	1983	1982	1983
Total, 16 years and over .....	9.7	9.6	8.6	8.4	18.9	19.5	13.8	13.8
16 to 19 years .....	23.2	22.4	20.4	19.3	48.0	48.5	29.9	29.1
16 to 17 years .....	24.9	24.5	22.8	22.0	48.6	50.5	37.9	35.9
18 to 19 years .....	22.1	21.1	18.8	17.6	47.8	47.8	25.8	25.9
20 to 24 years .....	14.9	14.5	12.8	12.1	30.6	31.6	17.7	17.2
25 years and over .....	7.4	7.5	6.6	6.7	13.6	14.4	10.9	11.4
25 to 54 years .....	7.9	8.0	7.0	7.1	14.6	15.2	11.1	11.5
55 years and over .....	5.0	5.3	4.7	4.8	8.0	9.2	9.6	10.2
Men, 16 years and over .....	9.9	9.9	8.8	8.8	20.1	20.3	13.6	13.6
16 to 19 years .....	24.4	23.3	21.7	20.2	48.9	48.8	31.2	29.4
16 to 17 years .....	26.4	25.2	24.2	22.6	52.7	52.2	40.0	36.7
18 to 19 years .....	23.1	22.2	20.0	18.7	47.1	47.3	26.4	26.0
20 to 24 years .....	16.4	15.9	14.3	13.8	31.5	31.4	18.3	17.5
25 years and over .....	7.5	7.8	6.7	6.9	14.8	15.2	10.5	11.1
25 to 54 years .....	8.0	8.2	7.1	7.4	15.6	15.9	10.7	11.1
55 years and over .....	5.1	5.6	4.7	5.1	10.0	11.1	9.5	11.0
Women, 16 years and over .....	9.4	9.2	8.3	7.9	17.6	18.6	14.1	14.2
16 to 19 years .....	21.9	21.3	19.0	18.3	47.1	48.2	28.2	28.7
16 to 17 years .....	23.2	23.7	21.2	21.4	44.2	48.6	34.8	35.0
18 to 19 years .....	21.0	19.9	17.6	16.4	48.6	48.0	25.0	25.7
20 to 24 years .....	13.2	12.9	10.9	10.3	29.6	31.8	17.0	16.8
25 years and over .....	7.3	7.2	6.5	6.3	12.5	13.5	11.5	11.9
25 to 54 years .....	7.7	7.7	6.9	6.6	13.6	14.5	11.7	12.1
55 years and over .....	4.8	4.7	4.8	4.4	5.7	7.2	9.8	6.7

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

(Numbers in thousands)

Weeks of unemployment	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>DURATION</b>								
Total, 16 years and over .....	10,678	10,717	8,241	8,128	2,142	2,272	825	1,124
Less than 5 weeks .....	3,883	3,570	3,025	2,729	740	725	326	317
5 to 14 weeks .....	3,311	2,937	2,606	2,259	606	585	273	251
15 weeks and over .....	3,485	4,210	2,610	3,140	796	962	227	271
15 to 26 weeks .....	1,708	1,652	1,318	1,270	348	339	118	125
27 weeks and over .....	1,776	2,559	1,292	1,870	448	623	109	146
Average (mean) duration, in weeks .....	15.6	20.0	15.0	19.4	18.4	22.3	13.4	16.0
Median duration, in weeks .....	8.7	10.1	8.5	9.9	8.7	10.0	7.8	8.4
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	36.4	33.3	36.7	33.6	34.5	31.9	39.5	37.8
5 to 14 weeks .....	31.0	27.4	31.6	27.8	28.3	25.8	33.1	22.3
15 weeks and over .....	32.6	39.3	31.7	38.6	37.2	42.3	27.5	32.3
15 to 26 weeks .....	16.0	15.4	16.0	15.6	16.2	14.9	14.3	11.1
27 weeks and over .....	16.6	23.9	15.7	23.0	20.9	27.4	13.2	17.4

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

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

(Numbers in thousands)

Reasons for unemployment	Total		White		Black		Hispanic origin	
	1982	1983	1982	1983	1982	1983	1982	1983
<b>NUMBER OF UNEMPLOYED</b>								
Total, 16 years and over .....	10,678	10,717	8,241	8,128	2,142	2,272	825	1,124
Job losers .....	6,268	6,258	4,949	4,896	1,275	1,307	514	529
On layoff .....	2,127	1,780	1,795	1,513	296	237	138	113
Other job losers .....	4,141	4,478	3,154	3,383	979	1,070	376	416
Job leavers .....	840	830	698	683	15	19	66	62
Reentrants .....	2,384	2,412	1,785	1,722	524	602	154	155
New entrants .....	1,185	1,216	809	827	328	344	91	93
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	58.7	58.4	60.1	60.2	59.5	57.5	62.3	63.0
On layoff .....	19.9	16.6	21.8	18.6	13.8	10.4	16.7	13.5
Other job losers .....	38.8	41.8	38.3	41.6	45.7	47.1	45.6	49.6
Job leavers .....	7.9	7.7	8.5	8.4	.7	.8	8.0	7.4
Reentrants .....	22.3	22.5	21.7	21.2	24.5	26.5	18.7	18.5
New entrants .....	11.1	11.3	9.8	10.2	15.3	15.1	11.0	11.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	5.7	5.6	5.2	5.1	11.3	11.2	8.6	8.6
Job leavers .....	.8	.7	.7	.7	.1	.2	1.1	1.0
Reentrants .....	2.2	2.2	1.9	1.8	4.6	5.2	2.6	2.5
New entrants .....	1.1	1.1	.8	.9	2.9	3.0	1.5	1.5

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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**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							
	1982	1983	Total		Employed		Unemployed			
			1982	1983	1982	1983	Number		Percent of labor force	
							1982	1983	1982	1983
<b>VETERANS</b>										
Total, 25 years and over .....	8,615	7,962	8,123	7,465	7,426	6,816	697	649	8.6	8.7
25 to 29 years .....	7,073	6,003	6,775	5,742	6,152	5,200	623	542	9.2	9.4
25 to 29 years .....	1,200	725	1,116	679	945	573	171	106	15.3	15.6
30 to 34 years .....	2,909	2,203	2,786	2,096	2,541	1,878	245	218	8.8	10.4
35 to 39 years .....	2,964	3,075	2,873	2,967	2,666	2,749	207	218	7.2	7.3
40 years and over .....	1,542	1,959	1,348	1,723	1,274	1,616	74	107	5.5	6.2
<b>NONVETERANS</b>										
Total, 25 to 39 years .....	18,287	19,922	17,333	18,798	15,751	17,086	1,582	1,710	9.1	9.1
25 to 29 years .....	8,188	8,669	7,720	8,126	6,877	7,247	843	879	10.9	10.8
30 to 34 years .....	5,999	6,755	5,719	6,404	5,260	5,898	459	506	8.0	7.9
35 to 39 years .....	4,100	4,498	3,894	4,268	3,614	3,943	280	325	7.2	7.6

NOTE: Male Vietnam-era veterans are men who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are men who have never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. 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 presently collected. Because of the widespread interest in statistics for all Vietnam-era veterans, the BLS is continuing publication of annual data for this group since these data are currently available.

**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	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL, 25 to 39 years</b>												
Civilian noninstitutional population .....	6,293	5,299	689	615	278	234	15,757	17,193	1,885	2,030	1,390	1,472
Civilian labor force .....	6,068	5,097	622	565	268	224	15,086	16,401	1,683	1,795	1,303	1,384
Employed .....	5,564	4,669	512	462	238	208	13,876	15,072	1,368	1,471	1,149	1,224
Unemployed .....	504	427	108	103	28	16	1,210	1,327	316	324	154	160
Unemployment rate .....	8.3	8.4	17.4	18.2	10.5	7.1	8.0	8.1	18.8	18.1	11.8	11.6
<b>25 to 29 years</b>												
Civilian noninstitutional population .....	1,018	603	167	107	46	34	7,115	7,519	824	885	600	630
Civilian labor force .....	980	572	143	95	45	32	6,783	7,134	734	774	562	589
Employed .....	830	495	104	71	40	29	6,127	6,445	573	609	488	515
Unemployed .....	130	76	38	24	5	3	656	689	162	165	74	74
Unemployment rate .....	13.5	13.3	26.6	25.3	11.1	( <sup>1</sup> )	9.7	9.7	22.1	21.3	13.2	12.6
<b>30 to 34 years</b>												
Civilian noninstitutional population .....	2,586	1,939	286	234	125	97	5,151	5,804	614	698	450	485
Civilian labor force .....	2,492	1,851	259	218	119	93	4,954	5,560	551	622	427	459
Employed .....	2,291	1,674	219	179	104	87	4,609	5,173	456	523	378	409
Unemployed .....	201	177	40	39	15	6	345	386	95	99	49	50
Unemployment rate .....	8.1	9.6	15.4	17.9	12.6	6.5	7.0	6.9	17.2	15.9	11.5	10.9
<b>35 to 39 years</b>												
Civilian noninstitutional population .....	2,689	2,757	236	274	107	103	3,491	3,870	447	447	340	357
Civilian labor force .....	2,616	2,674	220	252	102	99	3,349	3,707	396	399	314	336
Employed .....	2,443	2,500	189	212	94	92	3,140	3,454	339	339	283	300
Unemployed .....	173	174	30	40	8	7	209	252	59	60	31	36
Unemployment rate .....	6.6	6.5	13.6	15.9	7.8	7.1	6.2	6.8	14.8	15.0	9.9	10.7

<sup>1</sup> 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.

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

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	117,544	118,922	48,178	48,891	69,366	70,031	54,727	55,294	4,192	4,355	50,535	50,939
Civilian labor force .....	76,465	77,394	30,276	30,682	46,189	46,712	33,740	34,156	2,725	2,797	31,015	31,359
Percent of population .....	85.1	65.1	62.8	62.8	66.6	66.7	61.7	61.8	85.0	64.2	81.4	81.6
Employed .....	69,192	70,137	26,923	27,292	42,269	42,845	30,335	30,696	2,603	2,678	27,732	28,018
Unemployed .....	7,273	7,257	3,352	3,390	3,921	3,867	3,405	3,460	122	118	3,283	3,342
Unemployment rate .....	9.5	9.4	11.1	11.0	8.5	8.3	10.1	10.1	4.2	4.2	10.6	10.7
Not in labor force .....	41,079	41,527	17,902	18,210	23,177	23,317	20,988	21,138	1,467	1,558	19,521	19,580
<b>Men, 20 years and over</b>												
Civilian noninstitutional population .....	50,175	50,969	20,227	20,557	29,948	30,412	23,469	23,903	1,923	1,995	21,546	21,908
Civilian labor force .....	40,025	40,540	15,820	15,820	24,405	24,720	17,955	18,203	1,588	1,632	16,367	16,571
Percent of population .....	79.8	79.5	77.2	77.0	81.5	81.3	76.5	76.2	82.6	81.8	76.0	75.6
Employed .....	38,551	36,977	13,982	14,133	22,569	22,844	16,340	16,510	1,532	1,580	14,808	14,930
Unemployed .....	3,473	3,563	1,838	1,687	1,835	1,876	1,615	1,693	57	52	1,558	1,641
Unemployment rate .....	8.7	8.8	10.5	10.7	7.5	7.6	9.0	9.3	3.6	3.2	9.5	9.9
Not in labor force .....	10,151	10,429	4,607	4,738	5,544	5,691	5,514	5,699	335	363	5,179	5,336
<b>Women, 20 years and over</b>												
Civilian noninstitutional population .....	56,724	57,665	23,858	24,311	32,866	33,354	26,140	26,404	1,837	1,929	24,303	24,475
Civilian labor force .....	30,662	31,343	12,638	12,937	18,024	18,406	13,037	13,293	882	930	12,155	12,363
Percent of population .....	54.1	54.4	53.0	53.2	54.8	55.2	49.9	50.3	48.0	48.2	50.0	50.5
Employed .....	28,200	28,682	11,499	11,769	16,701	17,113	11,886	12,122	848	889	11,040	11,233
Unemployed .....	2,461	2,461	1,138	1,168	1,323	1,293	1,151	1,171	38	40	1,115	1,131
Unemployment rate .....	8.0	7.9	9.0	9.0	7.3	7.0	8.8	8.8	4.1	4.3	9.2	9.1
Not in labor force .....	26,062	26,322	11,220	11,374	14,842	14,948	13,103	13,111	955	1,000	12,148	12,111
<b>Both sexes, 16 to 19 years</b>												
Civilian noninstitutional population .....	10,644	10,288	4,092	4,024	6,552	6,264	5,119	4,987	431	430	4,888	4,557
Civilian labor force .....	5,778	5,511	2,017	1,926	3,761	3,585	2,747	2,659	254	235	2,493	2,424
Percent of population .....	54.3	53.6	49.3	47.9	57.4	57.2	53.7	53.3	58.8	54.6	53.2	53.2
Employed .....	4,440	4,279	1,441	1,390	2,999	2,889	2,109	2,064	225	209	1,864	1,855
Unemployed .....	1,338	1,233	576	535	762	698	638	596	28	26	610	570
Unemployment rate .....	23.2	22.4	28.6	27.8	20.3	19.5	23.2	22.4	11.2	11.0	24.5	23.5
Not in labor force .....	4,866	4,776	2,076	2,099	2,790	2,677	2,371	2,327	178	195	2,193	2,132
<b>White</b>												
Civilian noninstitutional population .....	99,824	100,893	36,074	36,801	63,750	64,092	49,617	49,912	4,002	4,161	45,615	45,751
Civilian labor force .....	65,364	66,018	23,019	23,402	42,345	42,618	30,779	31,003	2,625	2,698	28,154	28,305
Percent of population .....	65.5	65.4	63.8	63.6	66.4	66.5	62.0	62.1	65.6	64.8	61.7	61.9
Employed .....	59,980	60,749	21,018	21,422	38,962	39,327	27,922	28,144	2,518	2,594	25,404	25,550
Unemployed .....	5,384	5,269	2,001	1,981	3,383	3,298	2,857	2,859	107	104	2,750	2,755
Unemployment rate .....	8.2	8.0	8.7	8.5	8.0	7.7	9.3	9.2	4.1	3.9	9.8	9.7
Not in labor force .....	34,460	34,875	13,054	13,398	21,406	21,477	18,838	18,909	1,377	1,463	17,461	17,446
<b>Black</b>												
Civilian noninstitutional population .....	14,305	14,467	10,360	10,314	3,945	4,153	4,280	4,458	142	144	4,138	4,314
Civilian labor force .....	8,879	9,048	6,148	6,166	2,731	2,882	2,452	2,599	72	72	2,380	2,527
Percent of population .....	62.1	62.5	59.3	59.8	69.2	69.4	57.3	58.3	50.7	50.2	57.5	58.6
Employed .....	7,206	7,269	4,913	4,858	2,293	2,411	1,983	2,106	61	62	1,922	2,044
Unemployed .....	1,673	1,779	1,234	1,308	439	471	489	493	11	11	458	482
Unemployment rate .....	18.8	19.7	20.1	21.2	16.1	18.3	19.1	19.0	15.5	14.6	19.2	19.1
Not in labor force .....	5,426	5,419	4,211	4,149	1,215	1,270	1,828	1,859	70	72	1,758	1,787
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	8,017	8,250	4,723	4,850	3,294	3,400	1,383	1,382	62	49	1,321	1,333
Civilian labor force .....	5,115	5,262	2,938	2,968	2,177	2,294	868	879	39	34	829	845
Percent of population .....	63.8	63.8	62.2	61.2	66.1	67.5	62.8	63.6	62.0	69.6	62.8	63.4
Employed .....	4,415	4,574	2,518	2,579	1,897	1,995	743	728	31	30	712	698
Unemployed .....	701	688	420	389	281	299	124	151	7	4	117	147
Unemployment rate .....	13.7	13.1	14.3	13.1	12.9	13.0	14.3	17.2	18.8	( <sup>1</sup> )	14.1	17.4
Not in labor force .....	2,902	2,988	1,785	1,882	1,117	1,106	515	503	24	15	491	488

<sup>1</sup> 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.

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

(Numbers in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983	1982	1983
<b>TOTAL</b>												
Civilian noninstitutional population .....	30,124	30,187	142,147	144,028	11,322	11,192	106,222	107,730	18,803	18,995	35,924	36,299
Civilian labor force .....	16,996	17,079	93,209	94,471	6,186	6,103	70,279	71,291	10,810	10,976	22,930	23,180
Percent of population .....	56.4	56.6	65.6	65.6	54.6	54.5	66.2	66.2	57.5	57.8	63.8	63.9
Employed .....	14,756	14,686	84,770	86,147	5,123	5,001	64,069	65,137	9,633	9,685	20,701	21,011
Unemployed .....	2,240	2,393	8,439	8,324	1,063	1,103	6,210	6,155	1,177	1,291	2,228	2,169
Unemployment rate .....	13.2	14.0	9.1	8.8	17.2	18.1	8.8	8.6	10.9	11.8	9.7	9.4
Men, 20 years and over .....	11.8	13.0	8.2	8.2	16.2	17.4	8.0	8.1	9.4	10.7	8.6	8.6
Women, 20 years and over .....	11.3	11.9	7.7	7.5	13.9	14.6	7.5	7.3	9.7	10.2	8.4	8.2
Both sexes, 16 to 19 years .....	31.6	32.4	21.6	20.5	41.0	41.7	21.6	20.6	26.5	27.2	21.7	20.2
Men .....	31.1	31.0	23.0	21.7	41.9	41.8	23.1	21.8	25.6	25.3	22.8	21.5
Women .....	32.2	34.1	20.1	19.2	39.9	41.5	20.0	19.3	27.7	29.7	20.5	18.8
Not in labor force .....	13,129	13,108	48,938	49,557	5,136	5,089	35,943	36,438	7,993	8,019	12,995	13,119
<b>White</b>												
Civilian noninstitutional population .....	21,202	21,227	128,239	129,578	5,749	5,756	94,075	95,137	15,453	15,471	34,164	34,441
Civilian labor force .....	12,274	12,265	83,869	84,756	3,275	3,221	62,089	62,797	8,999	9,044	21,780	21,959
Percent of population .....	57.9	57.8	65.4	65.4	57.0	56.0	66.0	66.0	58.2	58.5	63.8	63.8
Employed .....	11,041	10,950	76,861	77,943	2,866	2,807	57,114	57,942	8,175	8,143	19,747	20,001
Unemployed .....	1,233	1,315	7,008	6,813	409	414	4,975	4,854	824	901	2,033	1,958
Unemployment rate .....	10.0	10.7	8.4	8.0	12.5	12.9	8.0	7.7	9.2	10.0	9.3	8.9
Men, 20 years and over .....	9.0	10.2	7.6	7.6	11.8	12.4	7.3	7.3	8.0	9.4	8.5	8.3
Women, 20 years and over .....	8.4	8.8	7.1	6.7	10.0	10.3	6.8	6.4	7.9	8.2	8.0	7.6
Both sexes, 16 to 19 years .....	24.6	24.3	19.8	18.6	30.4	29.1	19.4	18.2	22.7	22.6	20.9	19.5
Men .....	24.5	23.7	21.3	19.6	31.4	30.6	21.0	19.2	22.4	21.4	22.0	20.7
Women .....	24.7	25.1	18.2	17.4	29.1	27.2	17.7	17.2	23.1	24.4	19.6	18.1
Not in labor force .....	8,928	8,962	44,370	44,622	2,473	2,534	31,966	32,340	6,454	6,427	12,384	12,482
<b>Black</b>												
Civilian noninstitutional population .....	8,285	8,267	10,299	10,658	5,279	5,152	9,026	9,315	3,006	3,115	1,274	1,343
Civilian labor force .....	4,364	4,438	6,967	7,209	2,742	2,719	6,137	6,329	1,622	1,719	829	880
Percent of population .....	52.7	53.7	67.6	67.6	51.9	52.8	68.0	67.9	54.0	55.2	65.1	65.5
Employed .....	3,414	3,434	5,775	5,941	2,110	2,053	5,096	5,216	1,304	1,381	679	725
Unemployed .....	950	1,004	1,192	1,268	631	666	1,042	1,113	319	338	150	155
Unemployment rate .....	21.8	22.6	17.1	17.6	23.0	24.5	17.0	17.6	19.6	19.6	18.1	17.6
Men, 20 years and over .....	20.5	21.3	16.1	16.1	22.8	24.6	16.2	16.3	16.8	16.4	15.0	14.8
Women, 20 years and over .....	17.9	18.7	13.9	15.2	18.0	19.1	13.6	14.9	17.7	18.2	16.6	17.6
Both sexes, 16 to 19 years .....	50.9	53.4	45.9	45.0	52.8	56.3	46.2	46.5	47.7	48.7	44.1	36.0
Men .....	50.4	51.5	47.7	46.9	53.2	55.7	47.6	48.3	45.6	44.9	47.9	38.2
Women .....	51.5	55.4	44.1	42.8	52.3	56.9	44.7	44.3	50.1	53.1	40.1	( <sup>1</sup> )
Not in labor force .....	3,921	3,829	3,333	3,449	2,537	2,433	2,888	2,986	1,383	1,396	444	463
<b>Hispanic origin</b>												
Civilian noninstitutional population .....	2,539	2,482	6,861	7,150	1,857	1,854	6,160	6,396	682	628	701	754
Civilian labor force .....	1,412	1,356	4,571	4,785	1,014	982	4,101	4,281	399	375	469	504
Percent of population .....	55.6	54.6	66.6	66.9	54.6	52.9	66.6	66.9	58.5	59.7	66.9	66.9
Employed .....	1,180	1,126	3,978	4,177	836	812	3,578	3,763	344	314	399	414
Unemployed .....	232	230	593	609	178	170	523	518	54	60	70	90
Unemployment rate .....	16.4	17.0	13.0	12.7	17.5	17.3	12.8	12.1	13.7	16.1	14.9	17.9
Men, 20 years and over .....	14.1	14.3	11.3	11.5	15.3	14.4	11.3	11.1	11.1	14.1	10.8	15.5
Women, 20 years and over .....	14.6	15.5	12.1	11.8	15.5	15.2	11.5	10.9	11.8	16.1	17.8	19.6
Both sexes, 16 to 19 years .....	34.2	35.4	28.2	25.6	36.0	38.3	28.4	25.8	30.4	27.5	26.5	24.5
Men .....	33.6	34.6	30.1	26.0	34.5	37.7	30.7	26.2	32.5	( <sup>1</sup> )	25.5	( <sup>1</sup> )
Women .....	34.8	36.6	25.7	25.1	38.1	39.2	25.4	25.3	26.6	( <sup>1</sup> )	27.6	( <sup>1</sup> )
Not in labor force .....	1,127	1,126	2,291	2,365	84.3	873	2,059	2,115	283	253	232	249

<sup>1</sup> 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.

51. 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	1982					1983				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>										
Total families .....	61,614	7,956	30.2	69.8	59.5	62,014	7,950	30.5	69.5	59.5
With children under 18 years of age .....	31,159	4,864	32.2	67.8	57.3	31,092	4,774	32.4	67.6	57.3
Married-couple families .....	49,648	5,939	23.3	76.7	66.5	49,782	5,874	23.2	76.8	66.9
With children under 18 years of age .....	24,523	3,732	23.7	76.3	65.5	24,372	3,598	22.9	77.1	66.3
Families maintained by women .....	9,554	1,623	52.8	47.2	36.5	9,743	1,659	53.6	46.4	36.2
With children under 18 years of age .....	5,801	994	61.7	38.3	28.8	5,839	1,024	62.4	37.6	28.4
Families maintained by men .....	2,412	394	41.9	58.1	49.0	2,489	417	42.6	57.4	48.6
With children under 18 years of age .....	835	138	51.8	48.2	41.7	881	152	55.6	44.4	37.3
<b>White</b>										
Total families .....	53,573	6,246	27.9	72.1	61.7	53,759	6,152	28.4	71.6	61.6
With children under 18 years of age .....	26,244	3,763	29.3	70.7	59.8	26,083	3,615	29.5	70.5	59.7
Married-couple families .....	44,982	4,993	23.1	76.9	66.6	44,984	4,899	23.6	76.4	66.3
With children under 18 years of age .....	21,763	3,104	23.5	76.5	65.4	21,579	2,950	23.4	76.6	65.7
Families maintained by women .....	6,628	958	49.1	50.9	39.7	6,750	950	49.0	51.0	40.4
With children under 18 years of age .....	3,797	552	57.8	42.2	31.0	3,786	550	57.6	42.4	32.0
Families maintained by men .....	1,962	295	40.3	59.7	50.2	2,025	303	41.4	58.6	50.0
With children under 18 years of age .....	684	107	49.1	50.9	45.3	718	115	53.4	46.6	37.9
<b>Black</b>										
Total families .....	6,686	1,501	39.6	60.4	50.6	6,802	1,581	38.6	61.4	51.8
With children under 18 years of age .....	4,062	963	43.6	56.4	47.8	4,092	1,014	42.0	58.0	49.3
Married-couple families .....	3,580	778	23.5	76.5	66.5	3,645	814	20.2	79.8	70.0
With children under 18 years of age .....	2,050	512	23.5	76.5	67.1	2,041	535	19.3	80.7	71.0
Families maintained by women .....	2,731	633	58.5	41.5	31.9	2,780	670	60.0	40.0	30.9
With children under 18 years of age .....	1,883	422	66.9	33.1	25.5	1,915	448	68.3	31.7	24.3
Families maintained by men .....	375	90	47.3	52.7	45.1	378	97	45.4	54.6	45.4
With children under 18 years of age .....	130	29	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	136	30	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )
<b>Hispanic origin</b>										
Total families .....	3,384	618	33.4	66.6	56.1	3,484	632	33.5	66.5	56.6
With children under 18 years of age .....	2,301	435	36.6	63.4	54.0	2,347	439	36.8	63.2	53.2
Married-couple families .....	2,488	463	27.9	72.1	62.2	2,511	470	27.0	73.0	63.0
With children under 18 years of age .....	1,718	344	30.2	69.8	60.8	1,710	343	29.4	70.6	60.3
Families maintained by women .....	723	123	53.7	46.3	32.5	791	126	55.6	44.4	34.7
With children under 18 years of age .....	525	81	63.8	36.2	26.3	570	83	63.4	36.6	26.8
Families maintained by men .....	174	32	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	182	36	41.7	58.3	52.8
With children under 18 years of age .....	57	11	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )	66	13	( <sup>1</sup> )	( <sup>1</sup> )	( <sup>1</sup> )

<sup>1</sup> 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.



**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1982				1983			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
<b>TOTAL</b>								
Total unemployed .....	10,878	42.3	57.7	49.1	10,717	42.6	57.4	49.0
In families .....	9,158	32.7	67.3	57.2	9,174	32.9	67.1	57.2
Husbands .....	2,492	45.0	55.0	39.8	2,492	43.2	56.8	42.2
With children under 18 years of age .....	1,635	49.0	51.0	34.2	1,602	45.9	54.1	38.0
Wives .....	1,830	21.7	78.3	70.9	1,771	21.8	78.4	71.0
With children under 18 years of age .....	1,186	20.0	80.0	72.7	1,124	20.0	80.0	72.1
Relatives in married-couple families .....	2,488	11.0	89.0	82.7	2,481	11.9	88.1	81.3
Women who maintain families .....	675	63.3	16.7	9.5	706	82.2	17.8	10.1
With children under 18 years of age .....	559	69.5	10.5	4.8	589	88.4	11.6	5.1
Relatives in families maintained by women .....	1,218	35.8	64.2	51.4	1,241	37.8	62.2	50.4
Men who maintain families .....	179	70.1	29.9	19.5	194	70.1	29.9	20.6
With children under 18 years of age .....	75	84.9	15.1	8.8	92	83.4	16.6	9.9
Relatives in families maintained by men .....	277	28.1	71.9	62.6	289	28.0	72.0	63.4
Not in families <sup>1</sup> .....	1,520	-	-	-	1,543	-	-	-
<b>White</b>								
Total unemployed .....	8,241	40.5	59.5	50.7	8,128	40.9	59.1	50.5
In families .....	7,048	30.5	69.5	59.2	8,944	30.8	69.2	59.1
Husbands .....	2,098	45.2	54.8	38.8	2,104	44.2	55.8	40.7
With children under 18 years of age .....	1,353	49.4	50.8	32.8	1,320	47.3	52.7	35.6
Wives .....	1,531	20.2	79.8	72.5	1,487	21.2	78.8	71.6
With children under 18 years of age .....	973	18.2	81.8	74.8	925	19.4	80.6	73.1
Relatives in married-couple families .....	2,013	10.5	89.5	83.4	1,963	11.8	88.4	81.8
Women who maintain families .....	385	78.6	21.4	11.9	374	77.6	22.4	13.2
With children under 18 years of age .....	306	86.6	13.4	5.6	302	84.9	15.1	6.7
Relatives in families maintained by women .....	693	33.7	66.3	53.7	678	33.7	66.3	54.7
Men who maintain families .....	132	71.3	28.7	18.7	141	70.1	29.9	19.8
With children under 18 years of age .....	56	85.5	14.5	7.4	66	83.9	16.1	9.2
Relatives in families maintained by men .....	197	24.1	75.9	66.7	197	25.1	74.9	66.3
Not in families <sup>1</sup> .....	1,193	-	-	-	1,184	-	-	-
<b>Black</b>								
Total unemployed .....	2,142	48.7	51.3	43.1	2,272	48.3	51.7	43.6
In families .....	1,858	40.9	59.1	49.7	1,967	40.2	59.8	50.4
Husbands .....	319	43.4	56.6	44.6	314	37.4	62.6	50.3
With children under 18 years of age .....	225	45.5	54.5	42.7	224	37.6	62.4	50.7
Wives .....	240	29.5	70.5	62.2	235	23.5	76.5	66.9
With children under 18 years of age .....	173	28.4	71.6	63.5	165	22.2	77.8	67.6
Relatives in married-couple families .....	403	12.2	87.8	80.1	448	12.7	87.3	79.8
Women who maintain families .....	279	90.1	9.9	6.3	310	88.2	11.8	8.3
With children under 18 years of age .....	245	93.1	6.9	3.9	270	92.6	7.4	3.3
Relatives in families maintained by women .....	503	38.3	61.7	48.4	535	42.7	57.3	45.7
Men who maintain families .....	41	89.0	31.0	20.2	44	71.3	28.7	20.8
With children under 18 years of age .....	18	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	19	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Relatives in families maintained by men .....	72	39.5	60.5	54.1	80	35.1	64.9	55.7
Not in families <sup>1</sup> .....	284	-	-	-	305	-	-	-
<b>Hispanic origin</b>								
Total unemployed .....	825	43.6	56.4	48.8	839	42.1	57.9	49.3
In families .....	730	36.3	63.7	52.9	746	34.9	65.1	55.5
Husbands .....	205	53.5	46.5	35.8	223	52.1	47.9	37.0
With children under 18 years of age .....	163	57.3	42.7	32.7	170	55.9	44.1	33.8
Wives .....	144	20.5	79.5	69.1	154	21.6	78.4	68.8
With children under 18 years of age .....	107	20.8	79.4	69.3	118	20.0	80.0	68.9
Relatives in married-couple families .....	198	15.1	84.9	75.9	186	7.7	92.3	64.2
Women who maintain families .....	50	79.3	20.7	14.0	49	80.4	19.6	12.8
With children under 18 years of age .....	41	88.8	13.2	7.8	41	85.4	14.6	7.7
Relatives in families maintained by women .....	95	44.2	55.8	39.5	94	42.0	58.0	46.6
Men who maintain families .....	16	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	19	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
With children under 18 years of age .....	6	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	9	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Relatives in families maintained by men .....	23	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )	22	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Not in families <sup>1</sup> .....	95	-	-	-	93	-	-	-

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

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

**HOUSEHOLD DATA  
ANNUAL AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1982				1983			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
<b>TOTAL</b>								
Total employed .....	99,526	38.4	61.6	51.4	100,834	37.9	62.1	52.0
In families .....	83,918	26.9	73.1	61.0	84,849	26.2	73.8	61.8
Husbands .....	37,219	36.8	63.2	44.8	37,040	35.7	64.3	45.9
With children under 18 years of age .....	21,810	39.6	60.4	39.2	21,670	38.3	61.7	40.4
Wives .....	23,728	11.0	89.0	83.1	24,213	11.2	88.8	83.2
With children under 18 years of age .....	12,712	7.5	92.5	87.3	13,032	7.7	92.3	87.6
Relatives in married-couple families .....	11,371	6.8	93.2	88.3	10,866	6.8	93.2	88.4
Women who maintain families .....	5,098	66.4	33.6	21.5	5,090	65.3	34.7	22.3
With children under 18 years of age .....	3,372	78.9	21.1	10.1	3,307	78.8	21.2	9.8
Relatives in families maintained by women .....	3,637	26.7	73.3	61.8	3,864	27.0	73.0	61.5
Men who maintain families .....	1,651	57.3	42.7	31.7	1,690	55.7	44.3	32.4
With children under 18 years of age .....	676	73.6	26.4	14.8	697	71.4	28.6	18.7
Relatives in families maintained by men .....	1,217	17.9	82.1	73.0	1,292	18.6	81.4	73.2
Not in families <sup>1</sup> .....	15,608	-	-	-	15,985	-	-	-
<b>White</b>								
Total employed .....	87,903	37.9	62.1	51.6	88,893	37.4	62.6	52.3
In families .....	74,232	26.4	73.6	61.1	74,878	25.7	74.3	62.1
Husbands .....	33,868	37.2	62.8	43.8	33,616	38.1	63.9	44.9
With children under 18 years of age .....	19,573	40.2	59.8	37.5	19,408	39.0	61.0	36.8
Wives .....	21,207	10.6	89.4	83.8	21,592	10.6	89.4	83.8
With children under 18 years of age .....	11,118	8.9	93.1	88.1	11,382	7.0	93.0	88.4
Relatives in married-couple families .....	10,273	6.7	93.3	88.8	10,530	6.7	93.3	88.7
Women who maintain families .....	3,719	63.8	36.2	22.9	3,745	62.5	37.5	23.8
With children under 18 years of age .....	2,418	78.9	23.1	10.5	2,379	78.8	23.2	10.1
Relatives in families maintained by women .....	2,797	26.8	73.2	61.8	2,927	26.9	73.1	61.9
Men who maintain families .....	1,383	57.1	42.9	31.1	1,408	55.0	45.0	32.5
With children under 18 years of age .....	571	72.8	27.4	15.1	582	70.5	29.5	16.6
Relatives in families maintained by men .....	984	17.4	82.8	73.7	1,059	17.8	82.2	74.4
Not in families <sup>1</sup> .....	13,671	-	-	-	14,017	-	-	-
<b>Black</b>								
Total employed .....	9,189	44.5	55.5	47.6	9,375	43.4	56.6	48.4
In families .....	7,623	33.0	67.0	57.3	7,828	32.2	67.8	58.0
Husbands .....	2,521	32.1	67.9	55.8	2,548	30.4	69.6	56.7
With children under 18 years of age .....	1,644	32.4	67.8	55.9	1,641	30.7	69.3	58.0
Wives .....	1,912	18.8	83.4	78.4	1,980	16.8	83.2	76.4
With children under 18 years of age .....	1,197	13.3	88.7	80.1	1,243	13.8	86.2	80.2
Relatives in married-couple families .....	783	8.1	91.9	84.6	818	9.2	90.8	84.0
Women who maintain families .....	1,289	74.9	25.1	18.7	1,237	73.9	26.1	17.3
With children under 18 years of age .....	688	84.6	15.4	8.6	657	84.2	15.8	9.0
Relatives in families maintained by women .....	753	27.2	72.8	60.1	840	28.2	71.8	59.5
Men who maintain families .....	220	60.1	39.9	33.3	231	61.1	38.9	29.2
With children under 18 years of age .....	89	79.8	20.2	13.4	100	76.5	23.5	15.8
Relatives in families maintained by men .....	184	22.1	77.9	87.7	178	24.3	75.7	65.7
Not in families <sup>1</sup> .....	1,566	-	-	-	1,547	-	-	-
<b>Hispanic origin</b>								
Total employed .....	5,158	39.3	60.7	51.4	5,303	39.2	60.8	51.8
In families .....	4,482	30.1	69.9	59.1	4,598	29.9	70.1	59.5
Husbands .....	1,963	43.1	58.9	42.9	1,962	43.3	56.7	43.6
With children under 18 years of age .....	1,449	46.3	53.7	39.3	1,438	46.9	53.1	39.8
Wives .....	1,080	10.4	89.8	82.8	1,096	10.4	89.8	82.2
With children under 18 years of age .....	734	9.1	90.9	84.9	739	9.0	91.0	84.7
Relatives in married-couple families .....	646	7.8	92.4	84.4	706	7.6	92.4	85.0
Women who maintain families .....	298	67.5	32.5	21.7	326	66.3	33.7	23.8
With children under 18 years of age .....	209	79.1	20.9	11.2	224	75.4	24.6	13.3
Relatives in families maintained by women .....	246	27.2	72.8	60.2	253	29.0	71.0	56.3
Men who maintain families .....	126	47.4	52.6	43.0	131	44.2	55.8	48.4
With children under 18 years of age .....	43	69.8	30.2	19.5	48	67.2	32.8	28.1
Relatives in families maintained by men .....	123	10.5	89.5	82.4	125	7.4	92.6	80.1
Not in families <sup>1</sup> .....	676	-	-	-	705	-	-	-

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

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.

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

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

[In thousands]

Industry	1980	1981	1982	1983 <sub>p</sub>	Change from	
					1981-1982	1982-1983 <sub>p</sub>
<b>TOTAL</b> .....	90,406	91,156	89,596	89,986	-1,560	390
<b>GOODS-PRODUCING</b> .....	25,658	25,497	23,907	23,649	-1,590	-258
<b>MINING</b> .....	1,027	1,139	1,143	1,021	4	-122
<b>CONSTRUCTION</b> .....	4,346	4,188	3,911	3,949	-277	38
<b>MANUFACTURING</b> .....	20,285	20,170	18,853	18,678	-1,317	-175
<b>DURABLE GOODS</b> .....	12,187	12,109	11,100	10,931	-1,009	-169
Lumber and wood products .....	690.5	666.2	603.4	676.7	-62.8	73.3
Furniture and fixtures .....	465.8	464.3	433.4	450.7	-30.9	17.3
Stone, clay, and glass products .....	662.1	637.9	577.8	575.2	-60.1	-2.6
Primary metal industries .....	1,142.2	1,122.4	922.2	839.3	-200.2	-82.9
Fabricated metal products .....	1,613.1	1,590.0	1,434.9	1,396.0	-155.1	-38.9
Machinery, except electrical .....	2,494.0	2,498.3	2,266.7	2,088.2	-231.6	-178.5
Electric and electronic equipment .....	2,090.6	2,093.7	2,015.5	2,045.0	-78.2	29.5
Transportation equipment .....	1,899.7	1,897.9	1,744.3	1,783.6	-153.6	39.3
Instruments and related products .....	711.3	730.1	715.8	693.9	-14.3	-21.9
Miscellaneous manufacturing industries .....	418.0	408.3	385.7	382.5	-22.6	-3.2
<b>NONDURABLE GOODS</b> .....	8,098	8,061	7,753	7,747	-308	-6
Food and kindred products .....	1,708.0	1,671.1	1,638.3	1,630.6	-32.8	-7.7
Tobacco manufactures .....	68.9	70.4	67.6	64.3	-2.8	-3.3
Textile mill products .....	847.7	823.0	750.1	744.0	-72.9	-6.1
Apparel and other textile products .....	1,263.5	1,244.4	1,163.7	1,169.7	-80.7	6.0
Paper and allied products .....	692.8	688.5	662.0	658.5	-26.5	-3.5
Printing and publishing .....	1,252.1	1,266.3	1,268.9	1,282.8	2.6	13.9
Chemicals and allied products .....	1,107.4	1,109.0	1,079.0	1,058.4	-30.0	-20.6
Petroleum and coal products .....	197.9	214.0	201.1	196.5	-12.9	-4.6
Rubber and misc. plastics products .....	726.8	736.6	700.8	726.7	-35.8	25.9
Leather and leather products .....	232.9	237.7	221.4	215.5	-16.3	-5.9
<b>SERVICE-PRODUCING</b> .....	64,748	65,659	65,689	66,338	30	649
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	5,146	5,165	5,081	4,943	-84	-138
<b>WHOLESALE AND RETAIL TRADE</b> .....	20,310	20,547	20,401	20,508	-146	107
<b>WHOLESALE TRADE</b> .....	5,275	5,358	5,280	5,231	-78	-49
<b>RETAIL TRADE</b> .....	15,035	15,189	15,122	15,276	-67	154
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5,160	5,298	5,340	5,456	42	116
<b>SERVICES</b> .....	17,890	18,619	19,064	19,685	445	621
<b>GOVERNMENT</b> .....	16,241	16,031	15,803	15,747	-228	-56
<b>FEDERAL</b> .....	2,866	2,772	2,739	2,753	-33	14
<b>STATE AND LOCAL</b> .....	13,375	13,259	13,064	12,994	-195	-70

p=preliminary.

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

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

[In thousands]

Industry	1980	1981	1982	1983p	Change from	
					1981-1982	1982-1983p
<b>TOTAL PRIVATE</b> . . . . .	60,331	60,927	59,566	59,926	-1,361	360
<b>MINING</b> . . . . .	762	841	831	723	-10	-108
<b>CONSTRUCTION</b> . . . . .	3,421	3,261	3,004	3,036	-257	32
<b>MANUFACTURING</b> . . . . .	14,214	14,020	12,790	12,697	-1,230	-93
<b>DURABLE GOODS</b> . . . . .	8,442	8,294	7,350	7,246	-944	-104
Lumber and wood products . . . . .	577.7	553.1	493.8	564.1	-59.3	70.3
Furniture and fixtures . . . . .	375.8	373.8	342.8	358.1	-31.0	15.3
Stone, clay, and glass products . . . . .	513.1	490.7	437.3	439.0	-53.4	1.7
Primary metal industries . . . . .	877.6	861.9	683.6	625.4	-178.3	-58.2
Fabricated metal products . . . . .	1,195.1	1,171.2	1,033.6	1,011.9	-137.6	-21.7
Machinery, except electrical . . . . .	1,602.3	1,580.5	1,368.0	1,223.3	-212.5	-144.7
Electric and electronic equipment . . . . .	1,328.4	1,311.0	1,216.6	1,240.4	-94.4	23.8
Transportation equipment . . . . .	1,233.1	1,219.5	1,085.3	1,120.2	-134.2	34.9
Instruments and related products . . . . .	425.5	430.1	410.2	387.5	-19.9	-22.7
Miscellaneous manufacturing industries . . . . .	313.1	302.1	279.0	275.8	-23.1	-3.2
<b>NONDURABLE GOODS</b> . . . . .	5,772	5,727	5,440	5,451	-287	11
Food and kindred products . . . . .	1,174.6	1,149.5	1,126.9	1,123.8	-22.6	-3.1
Tobacco manufactures . . . . .	53.6	54.7	52.6	49.2	-2.1	-3.4
Textile mill products . . . . .	736.9	712.5	642.6	641.3	-69.9	-1.3
Apparel and other textile products . . . . .	1,079.4	1,059.5	983.8	989.5	-75.7	5.7
Paper and allied products . . . . .	522.7	518.4	493.4	492.4	-25.0	-1.0
Printing and publishing . . . . .	698.9	699.3	698.1	704.8	-1.2	6.7
Chemicals and allied products . . . . .	625.8	628.3	601.0	588.5	-27.3	-12.5
Petroleum and coal products . . . . .	124.7	133.9	120.1	118.6	-13.8	-1.5
Rubber and misc. plastics products . . . . .	559.4	569.2	536.5	562.5	-32.7	26.0
Leather and leather products . . . . .	196.6	201.1	185.1	180.1	-16.0	-5.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> . . . . .	4,293	4,283	4,194	4,060	-89	-134
<b>WHOLESALE AND RETAIL TRADE</b> . . . . .	17,812	17,958	17,827	17,913	-131	86
<b>WHOLESALE TRADE</b> . . . . .	4,312	4,360	4,268	4,209	-92	-59
<b>RETAIL TRADE</b> . . . . .	13,500	13,598	13,559	13,705	-39	146
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> . . . . .	3,907	3,999	3,994	4,064	-5	70
<b>SERVICES</b> . . . . .	15,921	16,565	16,926	17,434	361	508

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

p=preliminary.

**ESTABLISHMENT DATA  
ANNUAL AVERAGES**

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

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1980	1981	1982	1983 p	1980	1981	1982	1983 P	1980	1981	1982	1983 P
<b>TOTAL PRIVATE</b> .....	35.3	35.2	34.8	35.0	6.66	7.25	7.67	8.01	235.10	255.20	266.92	280.35
<b>MINING</b> .....	43.3	43.7	42.6	42.4	9.17	10.04	10.78	11.29	397.06	438.75	459.23	478.70
<b>CONSTRUCTION</b> .....	37.0	36.9	36.7	37.2	9.94	10.82	11.62	11.91	367.78	399.26	426.45	443.05
<b>MANUFACTURING</b> .....	39.7	39.8	38.9	40.1	7.27	7.99	8.50	8.84	288.62	318.00	330.65	354.48
<i>Overtime hours</i> .....	2.8	2.8	2.3	3.0	-	-	-	-	-	-	-	-
<b>DURABLE GOODS</b> .....	40.1	40.2	39.3	40.7	7.75	8.54	9.06	9.40	310.78	343.31	356.06	382.58
<i>Overtime hours</i> .....	2.8	2.8	2.2	3.0	-	-	-	-	-	-	-	-
Lumber and wood products .....	38.5	38.7	38.0	40.0	6.55	6.99	7.46	7.79	252.18	270.51	283.48	311.60
Furniture and fixtures .....	38.1	38.4	37.2	39.4	5.49	5.91	6.31	6.63	209.17	226.94	234.73	261.22
Stone, clay, and glass products .....	40.8	40.6	40.0	41.5	7.50	8.27	8.86	9.28	306.00	335.76	354.40	385.12
Primary metal industries .....	40.1	40.5	38.6	40.5	9.77	10.81	11.33	11.34	391.78	437.81	437.34	459.27
Fabricated metal products .....	40.4	40.3	39.2	40.6	7.45	8.19	8.78	9.14	300.98	330.06	344.18	371.08
Machinery, except electrical .....	41.0	40.9	39.7	40.5	8.00	8.81	9.29	9.63	328.00	360.33	368.81	390.02
Electric and electronic equipment .....	39.8	40.0	39.3	40.5	6.94	7.62	8.21	8.67	276.21	304.80	322.65	351.14
Transportation equipment .....	40.6	40.9	40.5	42.1	9.35	10.39	11.12	11.68	379.61	424.95	450.36	491.73
Instruments and related products .....	40.5	40.4	39.8	40.4	6.80	7.42	8.10	8.54	275.40	299.77	322.38	345.02
Miscellaneous manufacturing industries .....	38.7	38.8	38.5	39.1	5.46	5.97	6.43	6.81	211.30	231.64	247.56	266.27
<b>NONDURABLE GOODS</b> .....	39.0	39.1	38.4	39.4	6.55	7.18	7.73	8.07	255.45	280.74	296.83	317.96
<i>Overtime hours</i> .....	2.8	2.8	2.5	3.0	-	-	-	-	-	-	-	-
Food and kindred products .....	39.7	39.7	39.4	39.5	6.85	7.44	7.89	8.16	271.95	295.37	310.87	322.32
Tobacco manufactures .....	38.1	38.8	37.8	37.2	7.74	8.88	9.78	10.33	294.89	344.54	369.68	384.28
Textile mill products .....	40.1	39.6	37.5	40.5	5.07	5.52	5.83	6.18	203.31	218.59	218.63	250.29
Apparel and other textile products .....	35.4	35.7	34.7	36.2	4.56	4.97	5.20	5.37	161.42	177.43	180.44	194.39
Paper and allied products .....	42.2	42.5	41.8	42.6	7.84	8.60	9.32	9.93	330.85	365.50	389.58	423.02
Printing and publishing .....	37.1	37.3	37.1	37.6	7.53	8.19	8.75	9.12	279.36	305.49	324.63	342.91
Chemicals and allied products .....	41.5	41.6	40.9	41.6	8.30	9.12	9.96	10.58	344.45	379.39	407.36	440.13
Petroleum and coal products .....	41.8	43.2	43.9	44.0	10.10	11.38	12.46	13.30	422.18	491.62	546.99	585.20
Rubber and misc. plastics products .....	40.0	40.3	39.6	41.2	6.52	7.17	7.65	8.02	260.80	288.95	302.94	330.42
Leather and leather products .....	36.7	36.7	35.6	36.8	4.58	4.99	5.32	5.53	168.09	183.13	189.39	203.50
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	39.6	39.4	39.0	39.0	8.87	9.70	10.30	10.81	351.25	382.18	401.70	421.59
<b>WHOLESALE AND RETAIL TRADE</b>	32.2	32.2	31.9	31.9	5.48	5.92	6.21	6.49	176.46	190.62	198.10	207.03
<b>WHOLESALE TRADE</b> .....	38.5	38.5	38.4	38.6	6.96	7.56	8.02	8.41	267.96	291.06	307.97	324.63
<b>RETAIL TRADE</b> .....	30.2	30.1	29.9	29.8	4.88	5.25	5.47	5.73	147.38	158.03	163.55	170.75
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.2	36.3	36.2	36.1	5.79	6.31	6.78	7.29	209.60	229.05	245.44	263.17
<b>SERVICES</b> .....	32.6	32.6	32.6	32.7	5.85	6.41	6.90	7.26	190.71	208.97	224.94	237.40

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

p=preliminary unweighted averages.

# Explanatory Notes

## Introduction

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

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

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

### RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

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

### Employment

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

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

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

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

## Hours of work

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

## Earnings

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

## COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

*Unemployment insurance data.* The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (some workers in agriculture, domestic services, and religious organizations, and self-employed and unpaid family workers). Beginning in January 1978, coverage was extended to include domestic workers whose employers paid \$1,000 or more in wages in any calendar quarter, agricultural employees whose employers engaged 10 or more workers in 20 weeks or paid a total \$20,000 or more in wages in any calendar quarter, and almost all State and local government employees.

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

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

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

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

## COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

# Household Data (A tables)

## COLLECTION AND COVERAGE

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

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

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

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

## CONCEPTS AND DEFINITIONS

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

*Employed persons* are (a) all civilians who, during the survey week did any work at all as paid employees, in their own business, profession, or on their own farm, or

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

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

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

*Unemployed persons* are all civilians who had no employment during the survey week, were available for work, except for temporary illness, and (a) had made specific efforts to find employment sometime during the prior 4 weeks, or (b) were waiting to be recalled to a job from which they had been laid off, or (c) were waiting to report to a new job within 30 days.

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

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



longer. Each of these four categories of the unemployed may be expressed as an unemployment rate or proportion of the entire civilian labor force; the sum of the four rates thus equals the unemployment rate for all civilian workers.

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

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

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

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

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

*Employment-population ratios* represent the proportion of the noninstitutional population that is employed. The *total employment-population ratio* is total employment, including the resident Armed Forces, as a percent of the noninstitutional population. The *civilian employment-population ratio* is the percentage of all employed civilians in the civilian noninstitutional population.

*Not in the labor force* includes all persons who are not classified as employed or unemployed. These persons are further classified as engaged in own home-work, in school, unable to work because of long-

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

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

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

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

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

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

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

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

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

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

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

*Major activity: Going to school* and *Major activity: Other* are terms used to describe whether the activity of young persons during the reference week is primarily one of going to school or not. These statistics are published in table A-6 for 16- to 21-year-olds by employment status, race and sex, and if unemployed, whether seeking full-or part-time work.

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

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

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

*Usual weekly earnings* data are provided from responses to the question "How much does...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 and the incorporated self-employed, who usually work full time on their sole or primary job.

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

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

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

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

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

## HISTORICAL COMPARABILITY

### Change in lower age limit

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

### Noncomparability of labor force levels

In addition to the changes introduced in 1967, there are several other periods of noncomparability in the labor force data: (1) Beginning in 1953, as a result of introducing data from the 1950 census into the estimating procedures, population levels were raised by about 600,000; labor force, total employment, and agricultural employment were increased by about 350,000, primarily affecting the figures for totals and men; other categories were relatively unaffected. (2) Beginning in 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force four-fifths of this increase was in nonagricultural employment; other labor force categories were not appreciably affected. (3) Beginning in 1962, the introduction of data from the 1960 census reduced the population by about 50,000 and labor force and employment by about 200,000; unemployment totals were virtually unchanged. (4) Beginning in 1972, information from the 1970 census was introduced into the estimation procedures, increasing the population by about 800,000; labor force and employment totals were raised by a little more than 300,000; and unemployment levels and rates were essentially unchanged. (5) A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment, which affected the white and black-and-other groups but had little effect on totals, resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black-and-other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black-and-other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

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

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

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

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

results obtained from the 1980 census. The new procedure is described in the Estimating Methods section. The purpose of the change and an indication of its effect on national estimates of labor force characteristics appear in "Revisions in the Current Population Survey Beginning in January 1983" in the February 1983 issue of *Employment and Earnings*. There are only slight differences between the old and new procedures in estimates of level for the various labor force characteristics and virtually no differences in estimates of participation rates.

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

Beginning in 1971, the comparability of occupational employment data was affected as a result of changes in the occupational classification system for the 1970 census that were introduced into the CPS. Comparability was further affected in December 1971, when a question relating to major activity or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. As a result of these changes, meaningful comparisons of occupational employment levels could not be made between 1971-72 and prior years nor between those 2 years. Unemployment rates were not significantly affected. For a further explanation of the changes in the occupational classification system, see "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

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

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

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

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

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

### Changes in the sample design

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

One major change made after every decennial census is to change the sample design to make use of the recently collected census materials. Also, the number of sample areas and the number of sample persons are increased occasionally. In 1953, the current rotation plan was introduced in which a sample unit is interviewed for 4 months, leaves the sample for 8 months, and then returns to the sample for another 4 months. When Alaska and Hawaii achieved statehood, three more sample areas were added to account for the population in these States. After the 1960 census, selection of a major portion of the sample from census address lists was begun, though a portion of the sample is still collected using area sampling. Following the 1970 census, the ultimate sampling unit was changed from a noncontiguous cluster of six housing units to a usually contiguous cluster of four housing units. In January 1978, a supplemental sample of 9,000 housing units, selected in 24 States and the District of Columbia and designed to provide more reliable annual average estimates for States, was incorporated into the design. A coverage improvement sample, composed of approximately 450 sample household units which represent 237,000 occupied mobile homes and 600,000 new construction housing units, was included

in computing the estimates beginning in October 1978 in order to provide coverage of mobile homes and new construction units that previously had no chance for selection in the CPS sample. In January 1980, another supplemental sample of 9,000 households selected in 32 States and the District of Columbia was added to the existing sample. A sample reduction of about 6,000 units was implemented in May 1981. Beginning in January 1982, the sample was expanded by 100 households to provide additional coverage in counties added to SMSA's, which were redefined in 1973.

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

### ESTIMATING METHODS

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

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the

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

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

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

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

respondents for other reasons. This adjustment is made separately by combinations of sample areas within each State and the District of Columbia, and, within these, for six groups—two race categories (white, and black and other) within three residential categories. For sample areas which are Standard Metropolitan Statistical Areas, (SMSA's), these residence categories are the central cities, the urban, and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 4 to 5 percent, depending on weather, vacations, etc.

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. Effective with January 1983 data, the procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by race only. Prior to January 1983, the State adjustment was also done by urban-rural status. At both the regional and the State levels, the race-residence categories were changed from white/nonwhite to black/nonblack. The residence categories at the State level of the estimation procedure were dropped because definitional differences between the 1970 census and the 1980 census made it impossible to continue using the same categories.

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

estimates of the civilian noninstitutional population in the same categories. The second-stage ratio adjustment which is performed to further reduce variability of the estimates and to correct to some extent for CPS undercoverage relative to the decennial census, is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over for the State. The second step is applied to all sample persons and is a weighting to nationwide independent population estimates within 68 age-sex-race groups. The entire second-stage adjustment procedure is iterated six times, each time beginning at the weights developed the previous time. This ensures that the sample estimates of the population for both State and national age-sex-race categories will be virtually equal to the independent population control totals. This second-stage adjustment procedure incorporates changes instituted in January 1982. The nature and effect of these changes are discussed in detail in "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of *Employment and Earnings*.

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

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

Data on births and deaths between April 1, 1980, and the estimate date are based on tabulations of vital statistics for the resident population made by the National Center for Health Statistics and data on deaths of military personnel overseas from the Department of Defense. Estimates of net civilian immigration are based on data provided by the Immigration and Naturalization Service, the Department of Defense, the Office of

Personnel Management, and the Puerto Rico Planning Board. The civilian noninstitutional population is derived by subtracting the Armed Forces and the institutional population for the estimate date from the total including Armed Forces overseas. The institutional population is computed by applying institutional proportions derived from the 1980 census to the total population, including Armed Forces overseas for the estimate date. All computations described above are performed in cells defined by single year of age, race, and sex. The independent national control totals are then obtained by collapsing these cells into broader age groups for the population 16 years and older.

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

### **Rounding of estimates**

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Similarly, sums of percent distributions may not always equal 100 percent because of rounding. Differences, however, are insignificant.

### **Reliability of the estimates**

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

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

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

sent all sample households and all persons within sample households (undercoverage).

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

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

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

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

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

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

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

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

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

level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between 2 consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table J contains factors for use with tables D, F, H, and I to compute approximate standard errors for levels, labor force participation rates, and percentages as pertaining to the year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages, and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50, and for the 1956-66 period, they should be multiplied by 1.22. Table K provides generalized standard errors for quarterly estimates

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

(In thousands)

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
Total, 16 years and over:		
Civilian labor force .....	255	195
Employed .....	276	209
Unemployed .....	152	149
Men, 20 years and over:		
Civilian labor force .....	155	135
Employed .....	173	152
Unemployed .....	110	106
Women, 20 years and over:		
Civilian labor force .....	190	144
Employed .....	190	148
Unemployed .....	90	92
Both sexes, 16 to 19 years:		
Civilian labor force .....	83	89
Employed .....	86	97
Unemployed .....	64	69
Black, 16 years and over:		
Civilian labor force .....	87	66
Employed .....	96	72
Unemployed .....	73	74
Men, 20 years and over:		
Civilian labor force .....	51	45
Employed .....	59	53
Unemployed .....	52	54
Women, 20 years and over:		
Civilian labor force .....	67	47
Employed .....	66	50
Unemployed .....	46	50
Both sexes, 16 to 19 years:		
Civilian labor force .....	33	37
Employed .....	28	32
Unemployed .....	32	32



**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) . . . . .	0.13	0.13	<b>Occupation—Continued</b>		
Men, 20 years and over . . . . .	.18	.18	Precision production, craft, and repair . . . . .	0.42	0.48
Women, 20 years and over . . . . .	.20	.20	Machine operators, assemblers and inspectors . . . . .	.58	.68
Both sexes, 16 to 19 years . . . . .	.69	.81	Transportation and material moving . . . . .	.74	.89
White workers . . . . .	.14	.14	Handlers, equipment cleaners, helpers and laborers . . . . .	.83	.99
Black workers . . . . .	.60	.64	Farming, forestry, and fishing . . . . .	.71	.88
Married men, spouse present . . . . .	.19	.21	<b>Industry</b>		
Married women, spouse present . . . . .	.23	.25	Nonagricultural private wage and salary workers . . . . .	.16	.17
Full-time workers . . . . .	.15	.15	Mining . . . . .	1.82	2.16
Part-time workers . . . . .	.34	.43	Construction . . . . .	.84	1.04
Unemployed 15 weeks and over . . . . .	.09	.11	Manufacturing . . . . .	.33	.38
<b>Occupation</b>			Durable goods . . . . .	.45	.52
Executive, administrative, and managerial . . . . .	.27	.31	Nondurable goods . . . . .	.49	.57
Professional specialty . . . . .	.22	.24	Transportation, communications, and public utilities . . . . .	.53	.61
Technicians and related support . . . . .	.53	.62	Wholesale and retail trade . . . . .	.31	.36
Sales . . . . .	.34	.38	Finance and services . . . . .	.23	.26
Administrative support, including clerical . . . . .	.27	.31	Government workers . . . . .	.26	.29
Private household . . . . .	1.17	1.30	Agricultural wage and salary workers . . . . .	1.33	1.65
Protective service . . . . .	.92	1.05			
Service, except private household and protective . . . . .	.43	.50			

of persons and families for use with the CPS earnings data.

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

*Illustration.* Assume that in a given month the number of persons working a specific number of hours was 12,000,000, an increase of 400,000 over the previous month. Linear interpolation in the second column of table D shows that the standard error on an estimate of 12,000,000 is about 159,000. The 68-percent confidence interval as shown by these data is from 11,841,000 to 12,159,000. Therefore, a conclusion that the average estimate derived from all possible samples lies within a range computed in this way would be correct for roughly 68 percent of all possible samples. Recall that the standard error of a month-to-month change is primarily dependent on the size of the monthly estimate. Thus, using linear interpolation in the first column of table E, the standard error on a month-to-month change of 400,000, when the monthly level is approximately 12,000,000, is about 118,000.

*Standard errors for rates and percentages.* The reliability of an estimated unemployment rate or an estimated percentage, computed using sample data for both numerator and denominator, depends upon both the size of the rate or percentage and the total upon which the rate or percentage is based. Estimated rates and percentages are relatively more reliable than the corresponding estimates of the numerator of the rates or

percentages; this is particularly true for percentages of 50 percent or more. As a general rule, percentages are not published when the monthly base is less than 75,000, the quarterly average base is less than 60,000, or the annual average base is less than 35,000.

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

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

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

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

*Illustration.* Suppose that one is interested in the year-to-year change of a monthly unemployment rate. Assume that for a certain month the unemployment rate is 6.9 percent, based on a total of 95,676,000 in the civilian labor force, and that a year prior to this the unemployment rate was 6.1 percent, based on a total of 94,254,000 in the civilian labor force for the month. First the standard error on the average of the two estimates, 6.5 percent with a base of 94,965,000, is obtained from 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 D. Standard errors for estimates of monthly level**

(In thousands)

Estimated monthly level	Characteristic <sup>1</sup>								
	Agricultural employment	Labor force data other than unemployment and agricultural employment data						Unemployment	
		Total or white	Black	Total or white, 16 to 19 years	Black, 16 to 19 years	Total or white men only, or women only	Black men only, or women only	Total or white	Black
50 .....	14	11	11	11	11	10	10	10	11
100 .....	19	15	15	15	15	14	14	15	16
500 .....	43	34	34	33	29	32	31	33	35
1,000 .....	61	48	47	46	33	45	42	47	49
2,000 .....	85	68	64	63	-	63	55	66	67
4,000 .....	120	95	84	80	-	87	66	93	88
6,000 .....	146	116	94	86	-	105	56	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	-	-	-	186	-	-	-
40,000 .....	-	261	-	-	-	189	-	-	-
50,000 .....	-	278	-	-	-	175	-	-	-
60,000 .....	-	288	-	-	-	141	-	-	-
70,000 .....	-	293	-	-	-	61	-	-	-
80,000 .....	-	293	-	-	-	-	-	-	-
100,000 .....	-	273	-	-	-	-	-	-	-
120,000 .....	-	231	-	-	-	-	-	-	-

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

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

(In thousands)

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

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

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

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

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.09	2.94	4.57	6.28	7.46	8.34	9.01	9.05	9.87	10.21
100 .....	1.48	2.08	3.23	4.44	5.28	5.90	6.37	6.73	6.98	7.22
500 .....	.66	.93	1.45	1.99	2.36	2.64	2.85	3.01	3.12	3.27
1,000 .....	.47	.66	1.02	1.40	1.67	1.87	2.01	2.13	2.21	2.28
2,000 .....	.33	.46	.72	.99	1.18	1.32	1.42	1.50	1.56	1.61
4,000 .....	.23	.33	.51	.70	.83	.93	1.01	1.06	1.10	1.14
6,000 .....	.19	.27	.42	.57	.68	.76	.82	.87	.90	.93
10,000 .....	.15	.21	.32	.44	.53	.59	.64	.67	.70	.72
20,000 .....	.10	.15	.23	.31	.37	.42	.45	.47	.49	.51
60,000 .....	.06	.08	.13	.18	.21	.24	.26	.27	.27	.29
100,000 .....	.05	.07	.10	.14	.17	.19	.20	.21	.22	.22

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

Monthly base of unemployment rate (in thousands)	Monthly unemployment rate (percent)									
	1	2	5	10	15	20	25	30	35	50
50 .....	2.32	3.28	5.14	7.18	8.69	9.90	10.93	11.81	12.58	14.48
100 .....	1.64	2.32	3.64	5.08	6.14	7.00	7.12	8.35	8.89	10.17
500 .....	.73	1.04	1.63	2.27	2.74	3.13	3.45	3.73	3.97	4.53
1,000 .....	.52	.73	1.15	1.60	1.94	2.21	2.44	2.63	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	.26	.43	.59	.70	.79	.85	.90	.94	.96
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 .....	.06	.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 .....	63	93	85	82	92	92	71	82	74
5,000 .....	107	119	100	105	117	116	64	105	85
7,500 .....	130	145	107	127	140	138	-	127	-
10,000 .....	149	165	102	144	157	155	-	145	-
15,000 .....	180	198	-	187	183	179	-	173	-
20,000 .....	205	224	-	192	199	193	-	195	-
25,000 .....	226	244	-	207	209	199	-	211	-
30,000 .....	224	261	-	219	212	198	-	224	-
40,000 .....	273	286	-	236	201	174	-	242	-
50,000 .....	296	301	-	-	-	-	-	-	-
75,000 .....	331	304	-	-	-	-	-	-	-
100,000 .....	343	255	-	-	-	-	-	-	-

## Establishment Data (B and C tables)

### COLLECTION

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

### Federal-State cooperation

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

### Shuttle schedules

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

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

### CONCEPTS

#### Industrial classification

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

All data on employment, hours, and earnings for the Nation and for States and areas are classified in accordance with the 1972 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. The

BLS tabulates and estimates statistics which distinguish between private and public establishments, thus maintaining continuity with previously published statistics for the private and government sector.

### Industry employment

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

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

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

### Industry hours and earnings

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

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

*Construction workers* include the following employees in the construction division: Working supervisors, qualified craft workers, mechanics, apprentices,

helpers, laborers, etc., engaged in new work, alterations, demolition, repair, maintenance, etc., whether working at the site of construction or working in shops or yards at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

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

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

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

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

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

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

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

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

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

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

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

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month to month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends



at the industry-group level also may be caused by a marked change in hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

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

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

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

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

*Indexes of diffusion of changes in number of employees on nonagricultural payrolls.* These indexes measure the percent of industries which posted increases in employ-

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

## ESTIMATING METHODS

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

### The “link relative” technique

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

### Size and regional stratification

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

### Benchmark adjustments

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

The primary sources of benchmark information are employment data, by industry, compiled quarterly by States agencies from reports of establishments covered

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

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

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

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

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

under State unemployment insurance laws. These tabulations cover about 98 percent of employees on nonagricultural payrolls in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1982 benchmark adjustment is shown in table M.

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

## THE SAMPLE

### Design

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

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

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

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

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

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

### Coverage

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

### Reliability of the employment estimates

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

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

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

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

<sup>2</sup> National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 5,000 reports covering about 63 percent of employment in Federal establishments.

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

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

One measure of the reliability of the employment estimates for individual industries is the root-mean-

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

(In percent)

Industry division	Average benchmark revision in estimates of employment <sup>1</sup>	Relative errors <sup>2</sup>	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment .....	0.4	-	-
Total private .....	.4	0.1	0.2
Mining .....	1.4	1.0	1.3
Construction .....	1.9	.2	.5
Manufacturing .....	.3	.1	.2
Durable goods .....	.3	.1	.3
Nondurable goods .....	.4	.1	.2
Transportation and public utilities .....	.4	.7	.6
Trade .....	.8	.1	.3
Wholesale .....	.4	.2	.4
Retail .....	1.0	.2	.4
Finance, insurance, and real estate .....	.4	.2	.4
Services .....	.6	.4	.6
Government <sup>3</sup> .....	.5	-	-

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

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

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

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

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates <sup>1</sup>	Relative errors <sup>2</sup> (in percent)	
		Average weekly hours	Average hourly earnings
50,000 .....	2,100	2.2	4.0
100,000 .....	3,900	1.3	2.3
200,000 .....	5,600	1.1	2.0
500,000 .....	14,000	.9	1.6
1,000,000 .....	15,000	.8	1.2
2,000,000 .....	26,000	.5	.9

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

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

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

### STATISTICS FOR STATES AND AREAS

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

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by

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

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
<b>INDUSTRY DIVISIONS</b>		
Total nonagricultural employment .....	101,000	88,000
Goods producing .....	42,000	36,000
Mining .....	5,000	5,000
Construction .....	22,000	18,000
Manufacturing .....	33,000	29,000
Durable two-digit industries .....	6,300	5,900
Nondurable two-digit industries .....	4,500	4,500
Service-producing .....	77,000	72,000
Transportation and public utilities .....	14,000	15,000
Wholesale and retail trade .....	31,000	28,000
Finance, insurance, and real estate .....	8,000	7,000
Services .....	30,000	24,000
Government .....	61,000	53,000

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

each cooperating State agency are presented in a summary volume published annual by the BLS.

### PRODUCTIVITY DATA

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

### Definitions

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

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

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

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

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

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

### Notes on the data

For the business sector and the nonfarm business sector, these indexes relate to the gross domestic product less household and institutions, owner-occupied hous-

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

Manufacturing output data are supplied by the Bureau of Economic Analysis, U.S. Department of Commerce, and the Federal Reserve Board. Quarterly

measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hours data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

## State and Area Unemployment Data (D table)

### FEDERAL-STATE COOPERATIVE PROGRAM

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

### ESTIMATING METHODS

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

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

1. *Preliminary estimate—employment:* The total employment estimate is based on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the several categories of employment on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates, to which are added estimates for employment not covered by UI.

2. *Preliminary estimate—unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates for each of three building block categories: (1) Persons who were previously employed in

industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were entering the labor force for the first time or reentering after a period of separation. This is referred to below as the UI-based estimate.

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

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

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

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

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

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

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

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

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

## Seasonal Adjustment

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

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

factors to take account of changing seasonal patterns. A detailed description of the method is given in *The X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

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

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

set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years are made at the beginning of each calendar year. However, as a result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (men and women under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. The seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force. Because of the independent seasonal adjustment of various series, components will not necessarily add to totals.

Revised seasonally adjusted data for selected labor force series based on the experience through December 1983, new seasonal adjustment factors to be used to calculate the civilian unemployment rate for the first 6 months of 1984, and a description of the current seasonal adjustment methodology are published in the January 1984 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1979-83 revision period for a broad range of labor force series appear in the February 1984 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March 1983. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for

most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours.

Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

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

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



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IX ARIZONA	-Department of Economic Security, 733-A, P.O. Box 6123, Phoenix 85005
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