

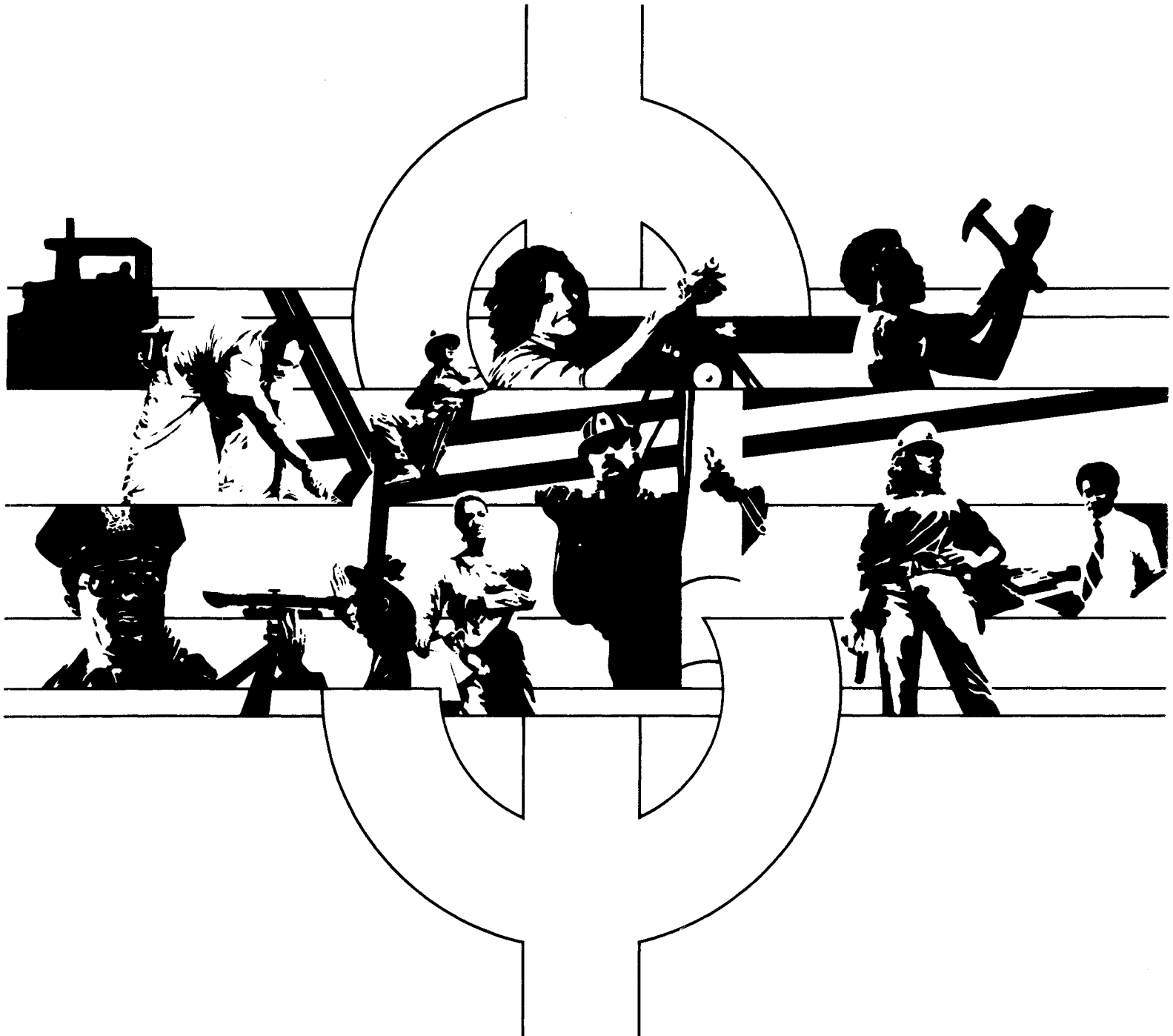
Employment and Earnings

January 1981



U.S. Department of Labor
Bureau of Labor Statistics

In this issue:
1980 annual averages
Revised seasonally adjusted
labor force series





U.S. DEPARTMENT OF LABOR
Ray Marshall, Secretary

BUREAU OF LABOR STATISTICS
 Janet L. Norwood, Commissioner

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Calendar of Features

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

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Revised 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.

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

¹ The issue that introduces new benchmark varies. The July 1980 issue introduced March 1979 benchmarks.

² Month of publication of annual supplement varies. The latest supplement was published in September 1980.

³ Issue varies. Latest revised data introduced July 1980.

Employment and Earnings

Vol. 28 No. 1 January 1981

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

Editors' Note

It is the annual practice of the Bureau of Labor Statistics to recalculate the seasonal adjustment factors for unemployment and other labor force series derived from the Current Population Survey (household survey) to incorporate 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 tables A-1, A-2, A-33 through A-42, and A-44 through A-53 have been revised to reflect the updated seasonal adjustment factors. Revised monthly data covering the entire 1976-80 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, "Revision of Seasonally Adjusted Labor Force Series," beginning on page 9 in this issue. The article also gives the new seasonal adjustment factors to be used to calculate the overall unemployment rate for January-June 1981.

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Employment and Unemployment Developments, December 1980

Both total employment and unemployment in December remained near their November levels. The overall unemployment rate was 7.4 percent, close to levels which have prevailed since May.

Total employment—as measured by the monthly survey of households—was about unchanged in December at 97.3 million, still some 500,000 below the February 1980 peak.

In contrast, nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 200,000 in December to 91.1 million, its fifth consecutive monthly increase. Overall, job gains in the latter half of 1980 have nearly recouped losses earlier in the year, although employment was still sharply down in manufacturing and construction. The factory workweek rose 0.3 hour in December to 40.2 hours, essentially back to its prerecession level.

Unemployment

The Nation's unemployment rate was 7.4 percent in December, about unchanged from the previous month's 7.5 percent rate. As revised, based on updated seasonal adjustment factors, the rate had risen from 6.0 percent in December 1979 to 7.6 percent in May. Since May, the rate has fluctuated narrowly between 7.6 and 7.4 percent. The number of unemployed totaled 7.8 million in December, a million and a half above the year-earlier level, with adult men accounting for two-thirds of the increase. (See table A-33.)

There was also little change in the unemployment rates for major demographic groups in December—adult men (6.2 percent), adult women (6.8 percent), teenagers (17.8 percent), whites (6.5 percent), black and other workers (14.0 percent), and Hispanics (9.8 percent). Adult men were the most seriously affected age/sex group in the 1980 downturn, as their rate increased from 4.4 percent in December 1979 to 6.6 percent in the July-September period before declining slightly in recent months. The rate for adult women increased 1.1 points over the year to its December 1980 high, while that for teenagers was up 1.5 points in the same period. (See tables A-33 and A-35.)

The number of persons on layoff and permanently separated from their jobs (job losers), at 4.2 million in

December, was little changed from the previous 2 months. The number of job losers had increased from 2.8 million in December 1979 to a high of 4.5 million in June. Job losers accounted for 54 percent of the jobless total in December; people entering the labor force and those leaving their jobs comprise the balance. (See table A-39.)

The median duration of unemployment declined in December to 7.3 from 7.7 weeks but was still 1.7 weeks longer than a year ago. (See table A-37.) The number of persons unemployed for 15 weeks or longer was 2.4 million, about the same as in November but 1.1 million higher than a year ago.

Total employment and the labor force

All the major worker groups experienced little over-the-month change in their employment levels. Despite increases totaling 500,000 since June, the number of employed persons in December was still 540,000 below the February peak. The employment-population ratio, at 58.1 percent in December, has been about unchanged since June, after declining a full percentage point from December 1979.

The civilian labor force, at 105.1 million in December, was off slightly from the previous month. Over the past year, the labor force increased by about 900,000, a substantially slower pace than in recent years. The overall labor force participation rate edged down 0.2 point to 63.6 percent in December. Over the year, the participation rate declined for adult men and teenagers. Women's participation was up slightly from last December, but their rate stabilized at about 51.4 percent in 1980; this is in contrast to the rapid gains in labor force activity in prior years. (See table A-33.)

Discouraged workers

The number of discouraged workers in the fourth quarter of 1980 was 1.1 million, up about 100,000 over the previous quarter and nearly 300,000 over the year. (Discouraged workers are persons who report that they want to work but are not looking for jobs because they believe they cannot find any.) Blacks and women accounted for most of the increases. About 70 percent of

the discouraged cited job-market factors as the reason for their discouragement. (See table A-53.)

Industry payroll employment

The number of employees on nonagricultural payrolls rose by about 200,000 to 91.1 million in December. This was the fifth consecutive monthly advance; since July, the number of payroll jobs has increased by one and a quarter million but was still slightly below the February peak. (See table B-4.)

Manufacturing employment showed improvement in December, as it has every month since the July recession low. Factory jobs increased by 65,000, with gains in both durable and nondurable goods. In durable goods, electrical equipment and primary metals registered the largest advances. In nondurables, increases occurred in printing and publishing, rubber and plastic products, and apparel, while there was a decline in food processing. Factory employment was still 780,000 short of its June 1979 high.

Construction employment rose by 30,000 in December but was 250,000 below its January peak. Mining registered a December increase which brought its over-the-year gain to 80,000 jobs.

The service-producing sector continued to grow in December as it had almost continuously throughout 1980. The December increase of 95,000 was concentrated in the services industry and in finance, insurance, and real estate. There was, however, a small decline in retail trade, which has exhibited some weakness in recent months.

Hours of work

The average workweek for production or nonsupervisory workers on private nonfarm payrolls remained at the November level of 35.4 hours. The December workweek was up 0.5 hour from the July low of 34.9

but was still below the year-ago prerecession high of 35.7 hours. The manufacturing workweek jumped 0.3 hour over the month to 40.2; this was the fifth straight monthly advance, bringing factory hours 1.2 hour above the July level and within a tenth of the January high. Factory overtime rose by 0.2 hour to 3.1 in December. (See table C-7.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose 0.4 percent in December to 125.7 (1967 = 100). The index has increased 3.1 percent since July but was still 1.1 percent below its January peak. The manufacturing index was up 1.3 percent over the month. (See table C-8.)

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls rose 0.6 percent over the month (seasonally adjusted). Average weekly earnings were up 0.6 percent from November. Before adjustment for seasonality, average hourly earnings rose by 2 cents over the month to \$6.94 and 56 cents over the year. Average weekly earnings were \$247.76, up \$3.48 over the month and \$18.72 from a year earlier. (See tables C-1 and C-9.)

The Hourly Earnings Index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 261.6 (1967 = 100) in December, 0.4 percent higher than in November. The Index was 9.3 percent above December a year ago. In dollars of constant purchasing power, the Index decreased 2.5 percent during the 12-month period ended in November. (See table C-9.)

Revision of Seasonally Adjusted Labor Force Series

*Robert J. McIntire

The explanatory note on seasonal adjustment published at the end of each issue of *Employment and Earnings* warns the reader that "seasonal adjustment is merely an approximation based on past experience." That statement applies particularly to the current seasonally adjusted estimates which appear monthly in this publication. Seasonal factors used for the current adjustment of any series are based on estimates of the average seasonal pattern displayed by that series during the past, especially the recent past. A more refined estimate of seasonality for any point in time can be derived from estimates of the average seasonal pattern displayed by a series during the years preceding, containing, and following the point of interest. Of course, for current seasonal adjustment, the latter part of this period is not available, and initial estimates must be made from past experience. However, as more time goes by, it is possible to improve on those initial estimates of seasonality by incorporating more recent data into the estimation process.

Therefore, at the end of each calendar year, the Bureau of Labor Statistics reestimates the seasonality of the employment, unemployment, and other labor force series derived from the Current Population Survey, based on the inclusion of another full year of data, and issues revised estimates of the seasonal factors and seasonally adjusted data for recent years for these series. The last 5 years of data are revised in these end-of-year revisions. Thus, each year's data are generally subject to five revision cycles before the values are considered final. This year's revisions incorporate data through December 1980 and provide improved estimates for January 1976 through December 1980.

Revised data for many of the major seasonally adjusted labor force series were published in the news release on the December 1980 employment situation, issued January 9 (USDL 81-12). 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 new seasonal factors for the first 6 months of 1981 for the 12 component series used in the computation of the seasonally adjusted overall

unemployment rate. (See table 3 at the end of this article.) The factors for the last 6 months of 1981 will be estimated in early July, based on data through June 1981, and will be published in the July issue of this publication. Next month's issue will contain the 1976-80 revisions for a few hundred of the labor force series most in demand. These revisions replace the data published in the February 1980 issue for 1976-79 and the seasonally adjusted estimates for 1980 published during the past year. Seasonally adjusted data for 1975 and earlier years were not revised.

Effect of the revisions

The incorporation of 1980 data and reestimation of the seasonally adjusted series led to some significant changes in the levels of major labor force series for some months of 1980. Table 1 summarizes the effects of the revisions on the overall unemployment rate, the most prominent labor force series, during 1980. The rate was changed in 8 of the 12 months, and, in 4 of the

Table 1. Seasonally adjusted unemployment rates, 1980, and change due to revision

Month	As published during 1980	As revised	Change due to revision
January	6.2	6.2	0
February	6.0	6.2	0.2
March	6.2	6.3	.1
April	7.0	6.9	-.1
May	7.8	7.6	-.2
June	7.7	7.5	-.2
July	7.8	7.6	-.2
August	7.6	7.6	0
September	7.5	7.4	-.1
October	7.6	7.6	0
November	7.5	7.5	0
December	¹ 7.3	7.4	.1

¹ This value reflects use of the factors originally generated for December, as published in the July 1980 issue of *Employment and Earnings*. That is, it shows what the value would have been if those factors had actually been used. The published data for December incorporated this year's revision.

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8 months, the change amounted to an increase or decrease of 0.2 percentage points. These are the largest changes in this statistic since the revisions for 1977, the last year in which a sizable cyclical shift occurred (although some of the 1977 changes may have been due to the introduction of modified procedures).

Seasonality is harder to predict for years with significant cyclical shifts, and 1980 was particularly difficult, due to the sudden surge of unemployment in April and May, months when the unadjusted unemployment series usually decline, and a quick leveling off after that. The 1980 revisions show a smoother rise to a rate not quite as high as originally estimated for the late spring and early summer months. But the revisions did not change the timing of the significant upward shift or the essential pattern for the the year as a whole.

Adjustment methods and procedures

Through most of the 1970's, the Census Bureau's X-11 method¹ was used for seasonal adjustment of labor force series. At the end of 1979, the X-11 ARIMA procedure,² 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 (came closer to later revisions) with the X-1 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.³

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 at each end. 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 proven to have good properties for short-term projection or extrapolation of a large class of time series, especially in a seasonal adjustment context, since the extrapolations tend to track intra-year movements quite well. The ARIMA models in the X-11 ARIMA program used to seasonally adjust the labor force series are of the Box-Jenkins type.⁴ They can generally be described with the notation

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

where:

- (1) p is the number of regular (nonseasonal) auto-regressive 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 auto-regressive 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) which follow a random pattern. Acceptable ARIMA models have been identified and used for 167 of the 222 labor force series which were directly seasonally adjusted at the end of 1980, including all 12 major labor force components, whose models are identified in table 2. These 167 series include 13 more series with acceptable ARIMA models identified than last year. The 55 remaining series for which models have not yet been identified were simply adjusted with the X-11 part of the program, essentially the same way they have been adjusted for several years. BLS will continue to test and evaluate ARIMA models for all 222 series, and for any series that may be selected in the future for direct seasonal adjustment.

The procedures used for adjusting the labor force series within the X-11 part of the process are the same as those followed for the last 3 years. The X-11 method assumes that the original series is either the product or

¹ 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).

² 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. 12-564E, February 1980).

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

⁴ For more detailed discussion of ARIMA models, refer to the previously cited Dagum (1980) 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 labor force components, 1981

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

the sum of three components—trend-cycle, seasonal, and irregular. The method uses either a ratio-to- or difference-from-moving-average approach to estimate the components, depending upon whether the multiplicative or additive model is assumed. 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 from the original value if the additive model is used. Of the 12 major labor force components, the four teenage unemployment and nonagricultural employment series were adjusted using the additive model, and the other eight series with the multiplicative model. Of all 222 adjusted series, 40 were adjusted with the additive model, primarily those involving teenage employment and unemployment. As with the ARIMA models, the selection of these seasonal adjustment models is subject to an ongoing program of testing and evaluation.

To correct for the effects of the sudden large rise in adult male unemployment in late 1974 and early 1975, a "prior adjustment" to the major component series for unemployed men 20 years and over was introduced 3 years ago and is retained in the current procedures. It was discussed in some detail in the February 1978 issue of *Employment and Earnings*.³ This adjustment is carried out after ARIMA extrapolation of the series but before actual seasonal adjustment, by multiplying all values of the extended series prior to November 1974 by a constant of 1.5. While this adjustment has essentially no effect on current factors and recent revisions, it still has significant impact on the earliest years being revised. To maintain the consistency of the historical revisions, this adjustment will probably need to be applied at least through next year's seasonal adjustment process. Another sudden surge occurred in this key

unemployment series during the spring of 1980, and there is some evidence that another "prior adjustment" might be appropriate for this period. It is too early to reliably model or estimate the potential adjustment at this time. The need for such an adjustment will be evaluated during 1981 as more data become available, and, if the evidence warrants, an adjustment will be implemented in next year's seasonal adjustment process. For most of the directly adjusted labor force series, the new seasonally adjusted estimates are based on data beginning with January 1967 some of the adjusted series, however, are not available this far back. In those cases, the span of available data was used. The shortest time period used for any of the series was 7 years and 10 months (March 1973-December 1980), the period of available data for Hispanic employment and unemployment.

Aggregation procedures

BLS maintains and publishes several hundred seasonally adjusted labor force time series in addition to the 222 directly adjusted series discussed above. The additional series are produced by arithmetically combining or aggregating the directly adjusted series. For example, the seasonally adjusted levels of total unemployment, employment, and civilian labor force, and the seasonally adjusted unemployment rate, are all produced by aggregation of the seasonally adjusted results for the 12 major labor force component series. The seasonally adjusted level of total unemployment is the sum of the seasonally adjusted levels of unemployment for the four sex-age groups—men and women 16-19, and men and women 20 years and over. Seasonally adjusted employment is the sum of the seasonally adjusted levels of employment for eight sex-age-industry groups—men and women 16-19, and men and women 20 years and over, employed in nonagricultural and agricultural industries. The seasonally adjusted civilian labor force is the sum of all 12 components. Finally, the seasonally adjusted overall unemployment rate is calculated by taking the total seasonally adjusted unemployment level as a percent of the total seasonally adjusted civilian labor force.

Alternative seasonal adjustment procedures

Research continues at BLS and elsewhere on further ways to evaluate and improve the procedures for seasonally adjusting important economic time series. A particular focus for evaluation here at BLS will be the result of the two changes in the methodology for adjusting the labor force data implemented and announced a year ago. The first change was the adoption of the X-11 ARIMA as the official procedure; the second was the initiation of a 6-month updating cycle for seasonal factors, in place of the previous 12-month cycle.

³ Thomas J. Plewes, "Revision of Seasonally Adjusted Labor Force Series," *Employment and Earnings*, February 1978, pp. 11-14.

Table 3. Current seasonal adjustment factors for the 12 major labor force components, January-June 1981

Procedure and series	January	February	March	April	May	June
Multiplicative Adjustment (Divide factor into original value)						
Agricultural employment:						
Males, 20 years and over	0.900	0.916	0.930	0.964	1.018	1.071
Females, 20 years and over	0.752	0.749	0.820	0.915	1.063	1.247
Males, 16-19 years	0.625	0.600	0.755	0.866	1.020	1.480
Females, 16-19 years	0.632	0.468	0.634	0.763	0.947	1.651
Nonagricultural employment:						
Males, 20 years and over	0.990	0.989	0.991	0.995	0.998	1.007
Females, 20 years and over	1.001	1.005	1.008	1.006	0.998	0.982
Unemployment:						
Males, 20 years and over	1.183	1.193	1.148	1.018	0.932	0.963
Females, 20 years and over	1.046	1.028	0.972	0.931	0.931	1.013
Additive Adjustment (Subtract factor from original value)						
Nonagricultural employment:						
Males, 16-19 years	-337	-421	-317	-228	-138	532
Females, 16-19 years	-229	-256	-258	-237	-198	260
Unemployment:						
Males, 16-19 years	6	30	-11	-98	-143	281
Females, 16-19 years	-51	-72	-79	-124	-46	306

Although conclusions should not be drawn from looking at one measure for one series for 1 year, it is interesting to note what happened to the overall unemployment rate, using average revision without regard to sign (ARU) as the basis for comparison. The ARU for the unemployment rate under the new official procedure was 0.100, only marginally lower than the ARU of 0.108 which would have been achieved with the old official procedure. Use of X-11 ARIMA with a 12-month extrapolation period for seasonal factors would have produced an ARU of 0.142, showing the benefits of the 6-month factor cycle but bringing into question the benefits of ARIMA extrapolation, at least for 1980, a very difficult year for which to project unemployment well. Concurrent adjustment, which incorporates all known actual behavior into the computation of each month's factors, would have produced an ARU of 0.075, better but not outstanding. And the concurrent method precludes the standard practice of prior publication of seasonal factors, which BLS considers important to public confidence in the data.

A much more intensive evaluation of the current official procedure will be conducted during the coming months. And BLS will continue to compute several unofficial seasonally adjusted unemployment rate series based on alternative approaches. The results are issued

in a monthly table released with the testimony of the BLS Commissioner before the Joint Economic Committee.

Availability of revised series

Many of the revised seasonally adjusted series are being published in this issue and next month's issue of *Employment and Earnings*. Additional data for any of the several hundred seasonally adjusted labor force series may be obtained from BLS upon request. Inquiries should be addressed to the Division of Employment and Unemployment Analysis, Office of Current Employment Analysis, Bureau of Labor Statistics, Washington, D.C. 20212.

These series and many more are maintained in the BLS data bank known as LABSTAT from which series may be extracted in machine-readable form. Labor force series in LABSTAT are updated monthly, and the seasonally adjusted revisions are incorporated annually at the time of their release. Inquiries concerning machine-readable files of labor force data or the seasonal adjustment methodology discussed in this article should be addressed to the Data Services Group, Office of Current Employment Analysis, Bureau of Labor Statistics, Washington, D.C. 20212.

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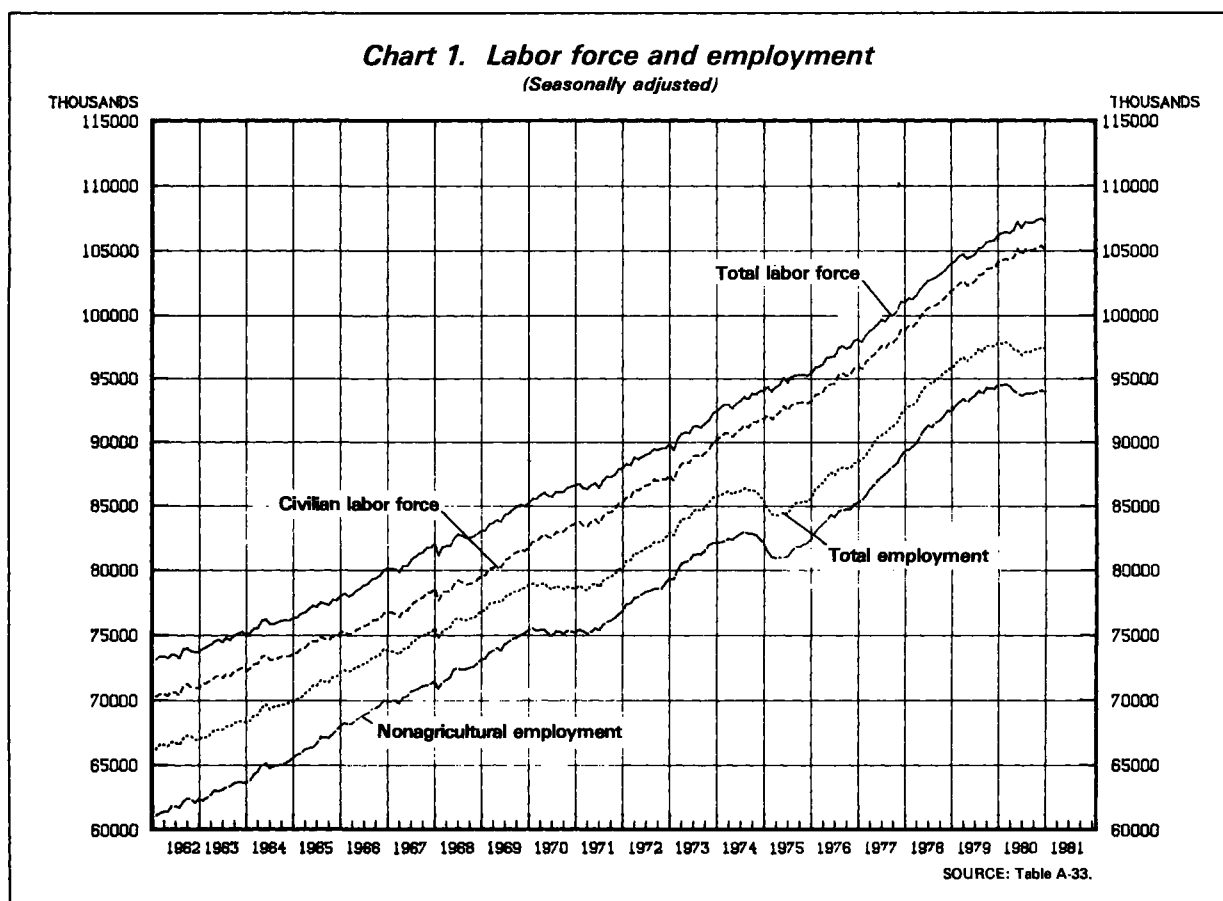


Chart 2. Major unemployment indicators
(Seasonally adjusted)

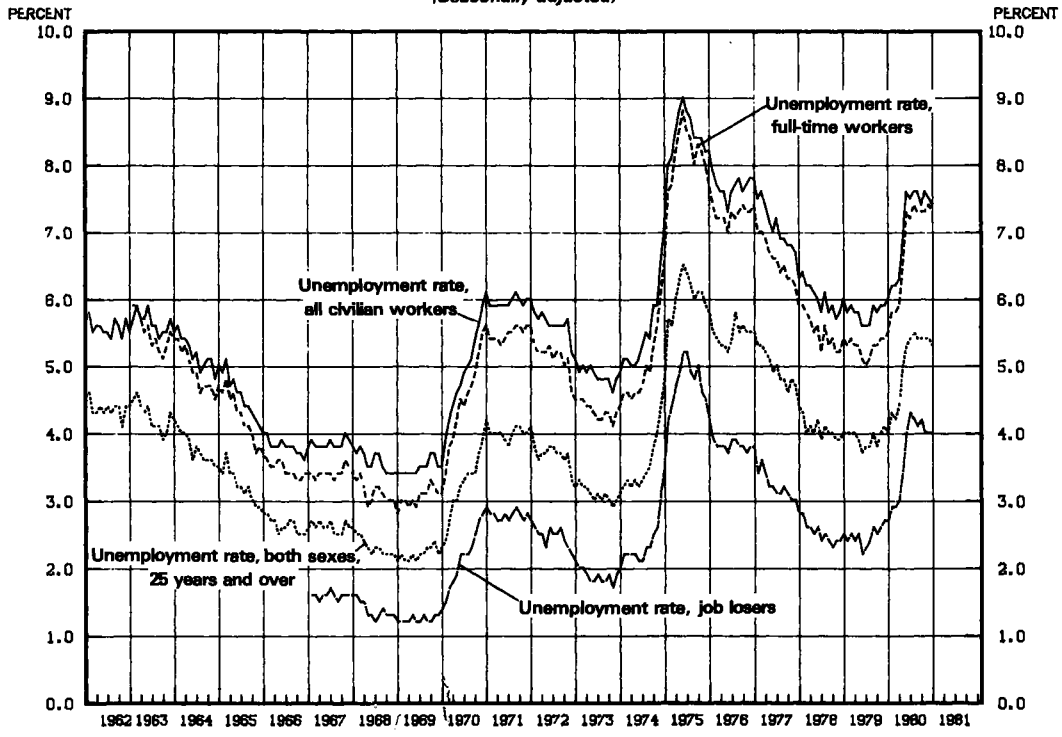


Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)

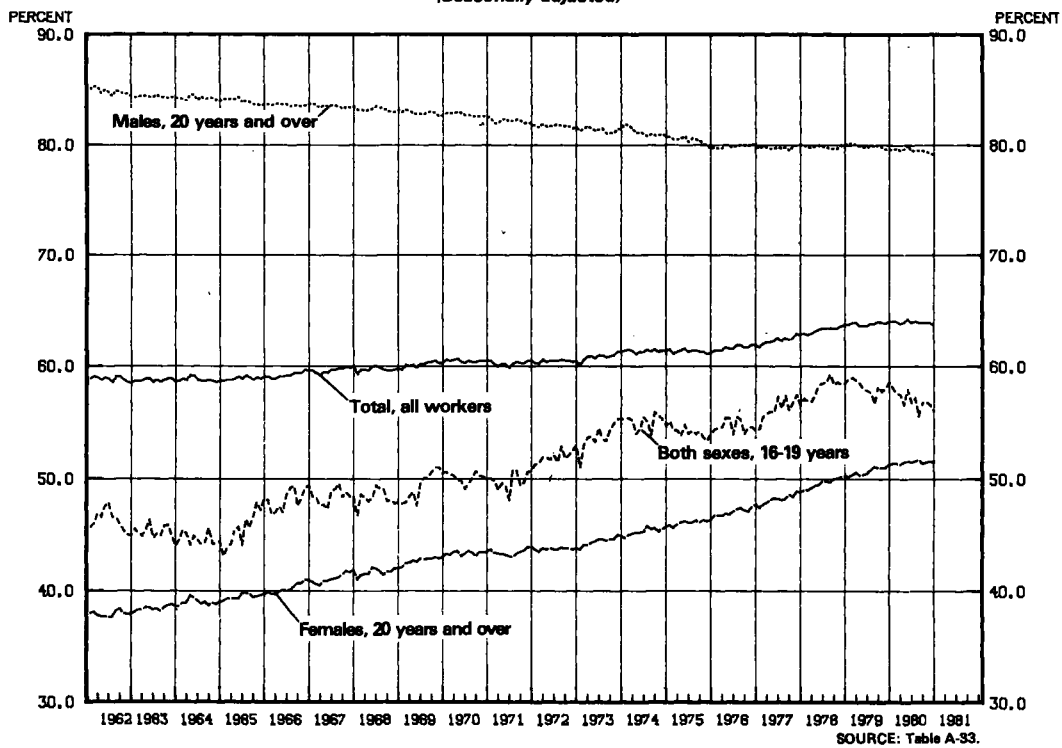
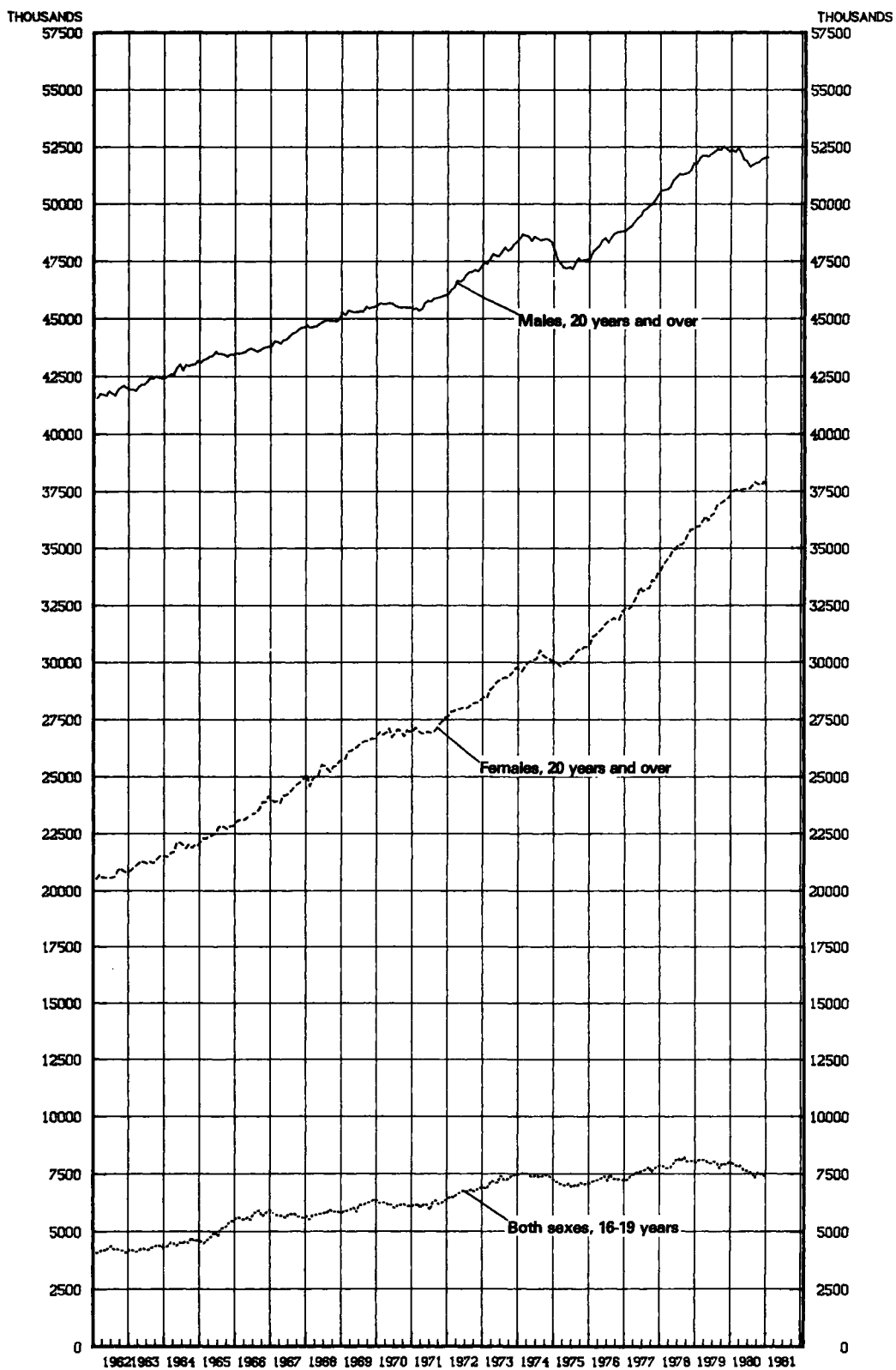


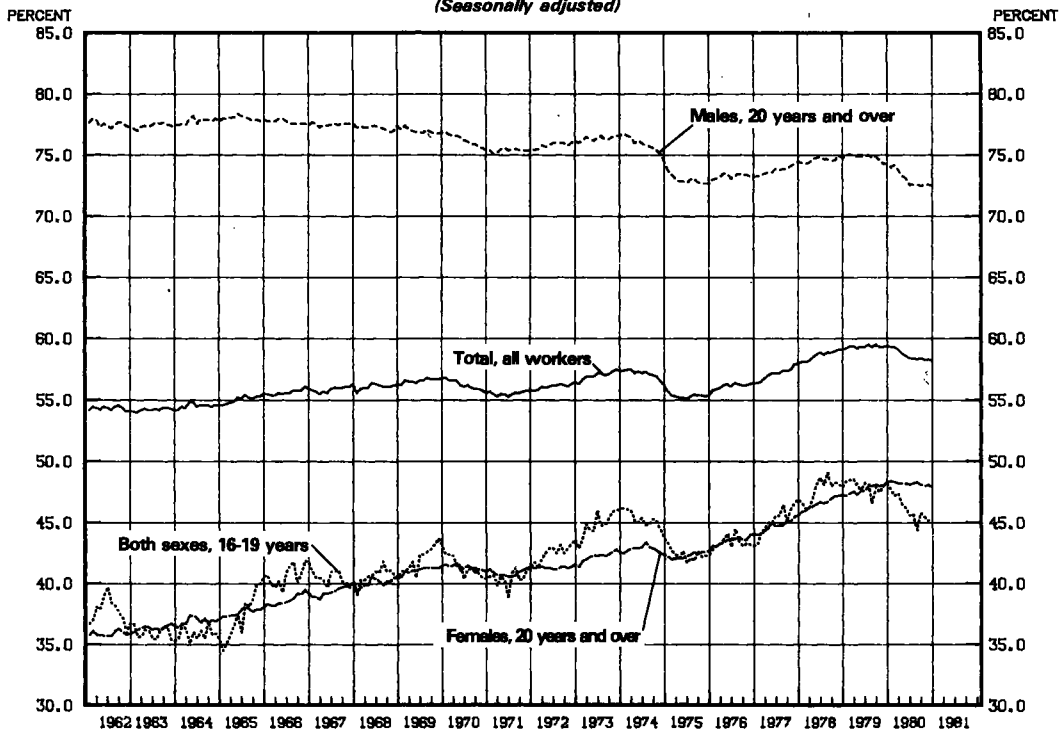
Chart 4. Total employment by sex and age

(Seasonally adjusted)



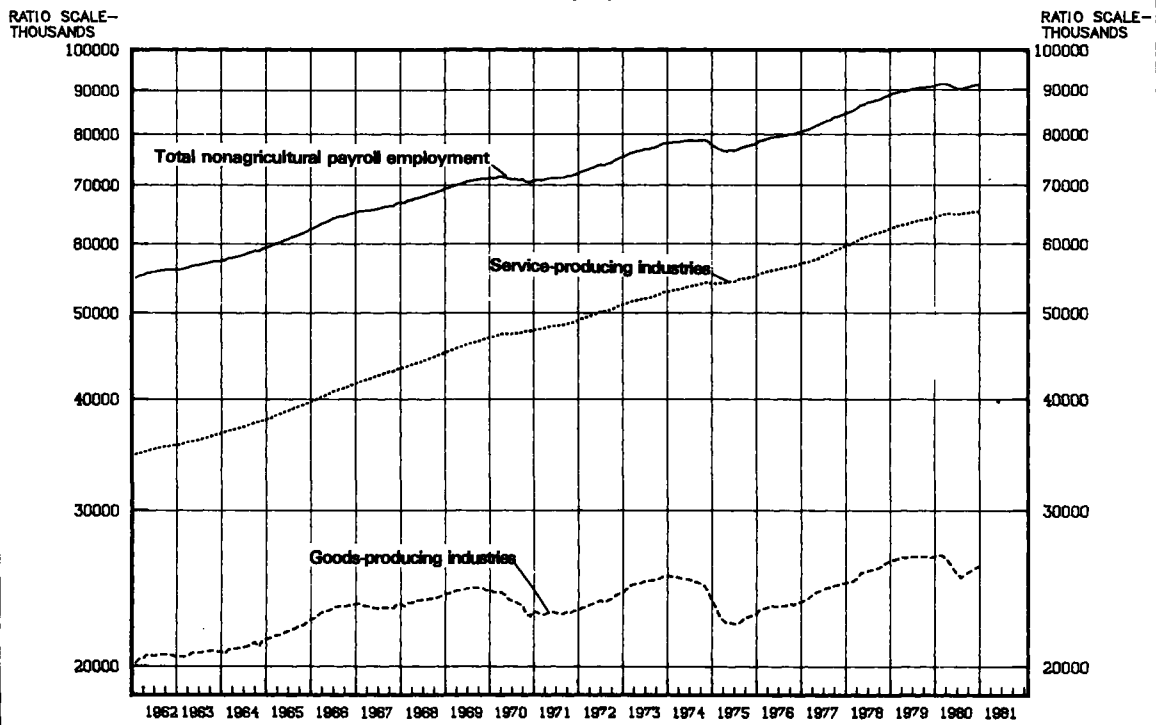
SOURCE: Table A-33.

Chart 5. Employment-population ratios by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 6. Payroll employment in goods- and service-producing industries
(Seasonally adjusted)

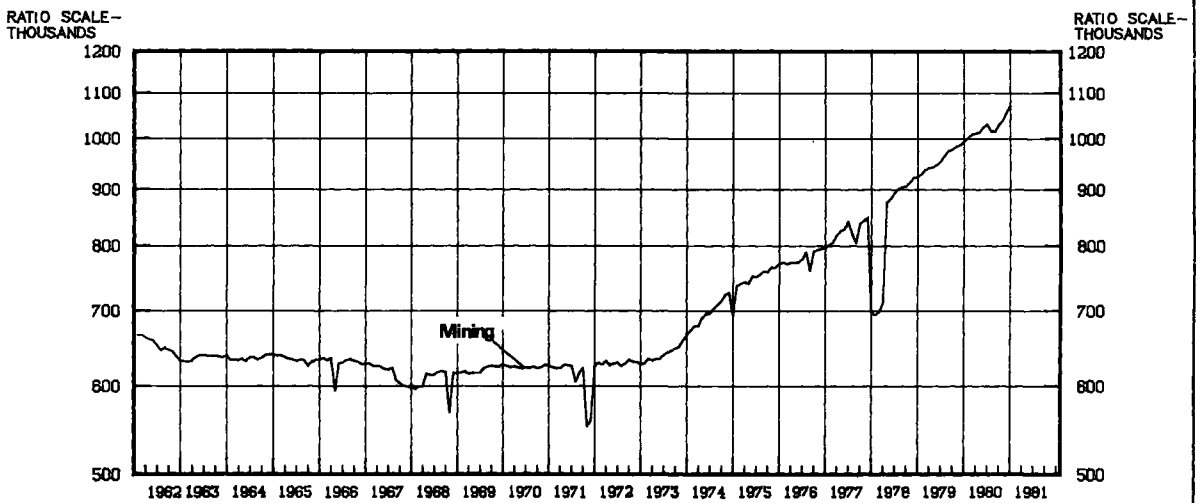
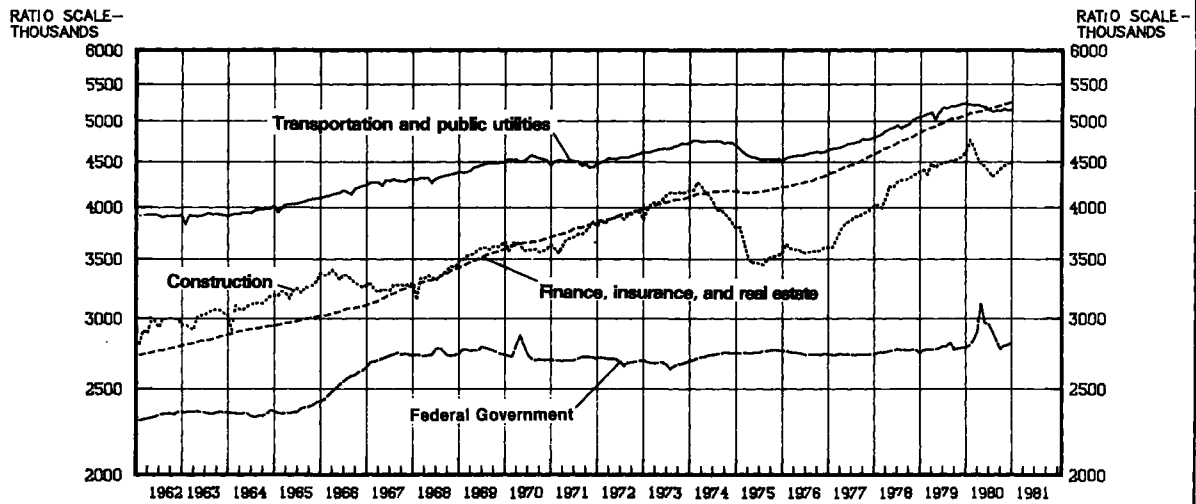
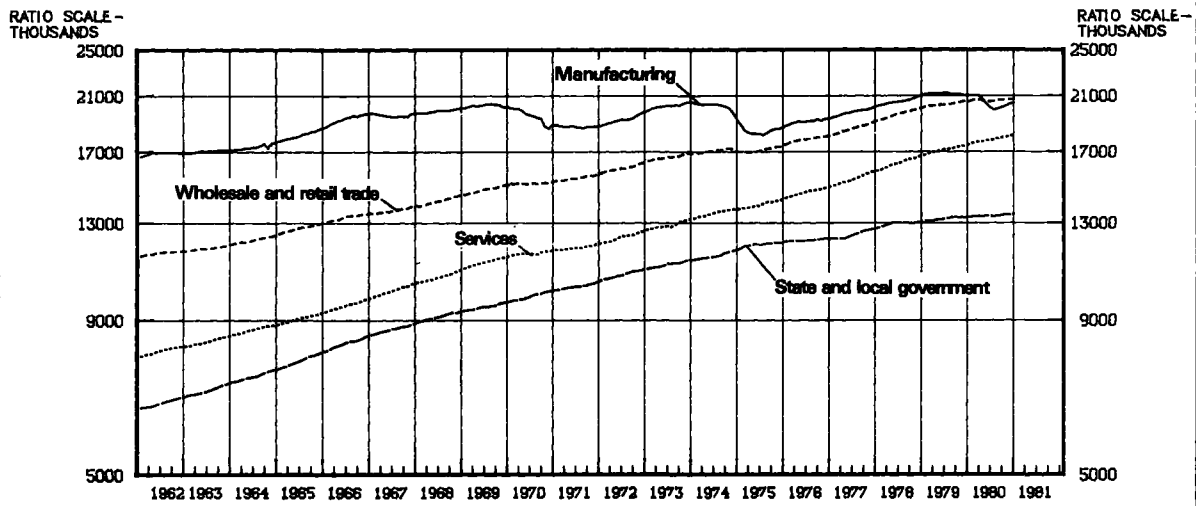


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 7. Nonagricultural payroll employment by industry

(Seasonally adjusted)

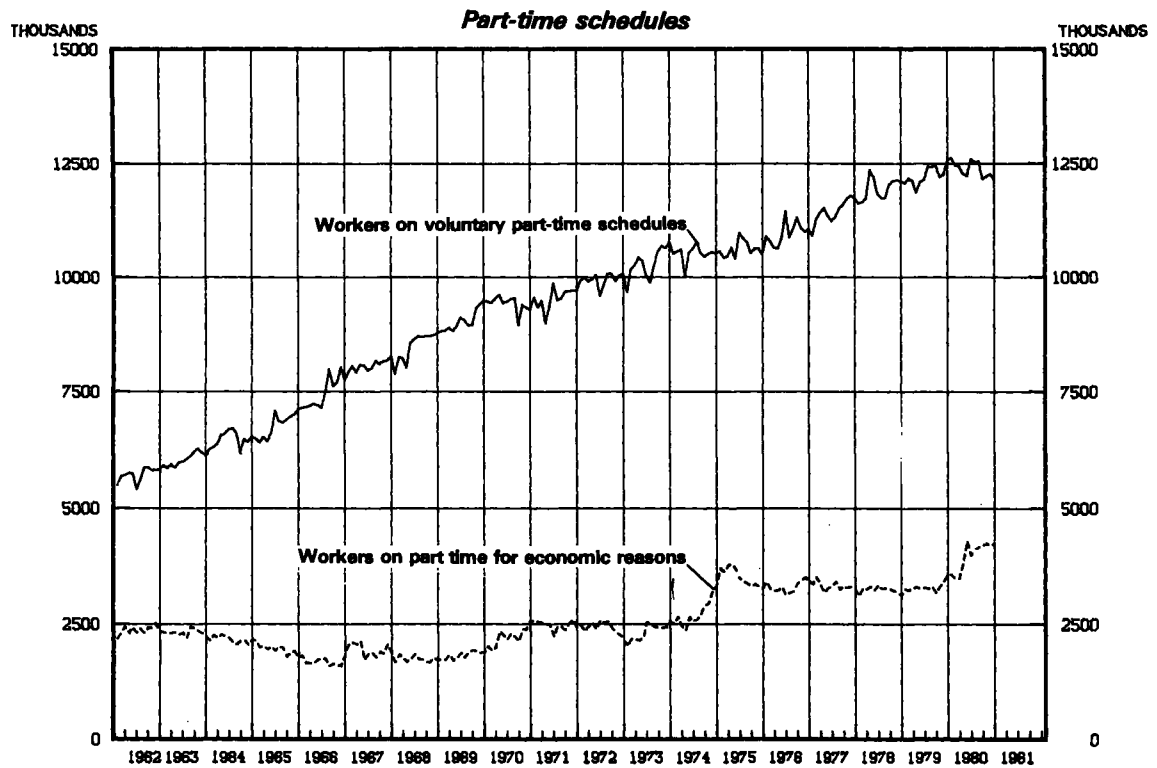
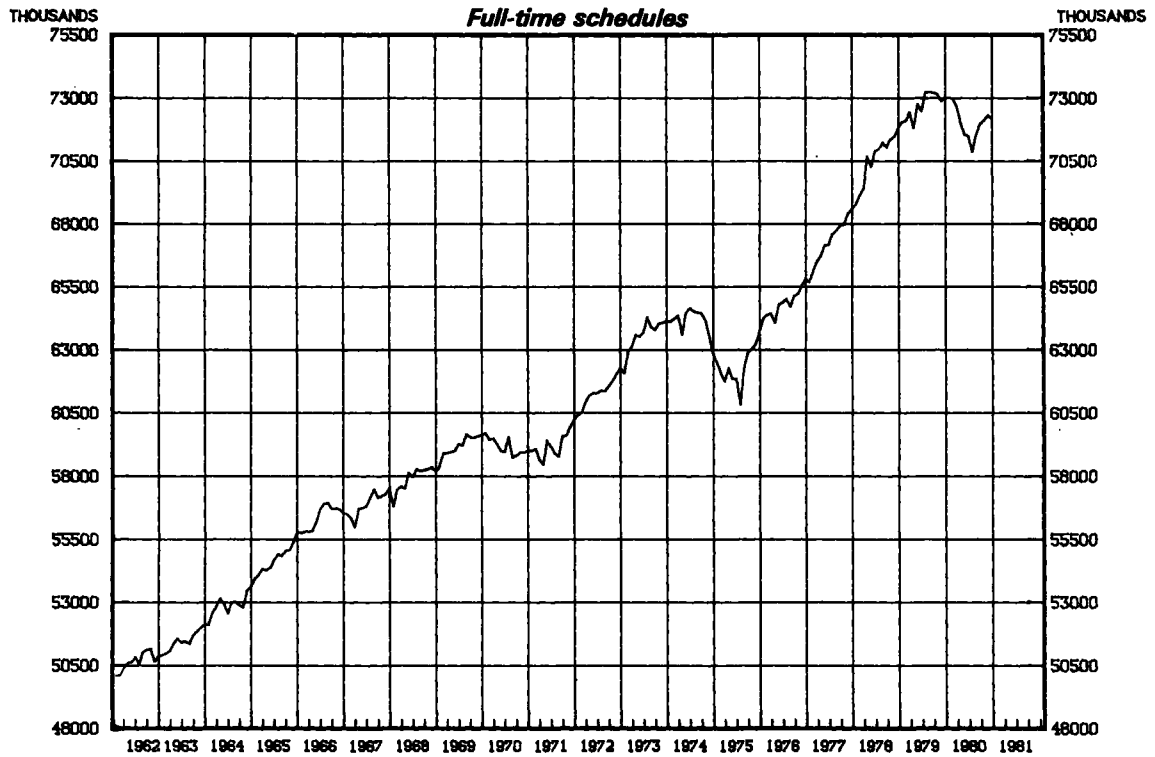


NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-4.

Chart 8. Persons at work full and part time in nonagricultural industries

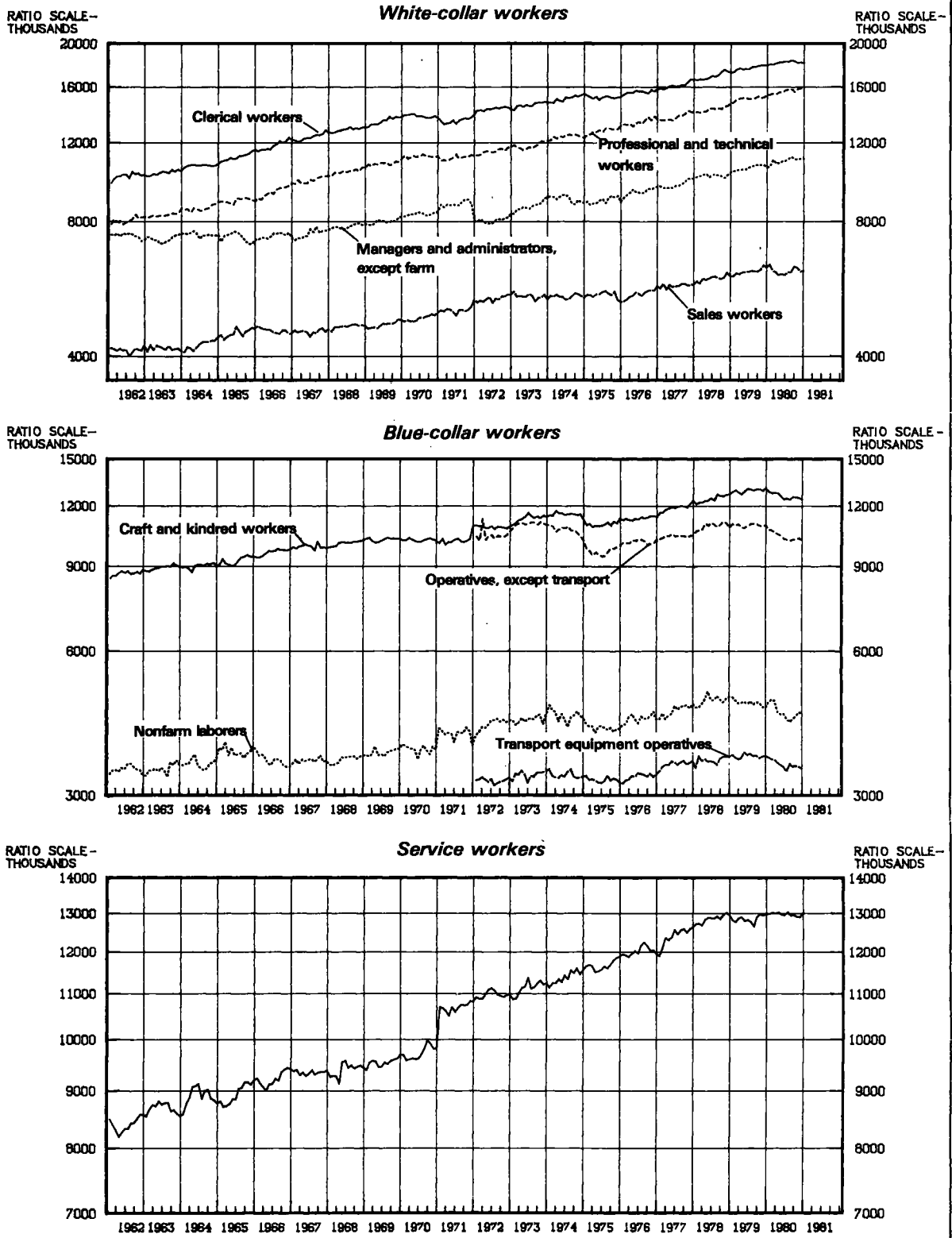
(Seasonally adjusted)



SOURCE: Table A-42.

Chart 9. Employment in nonfarm occupations

(Seasonally adjusted)

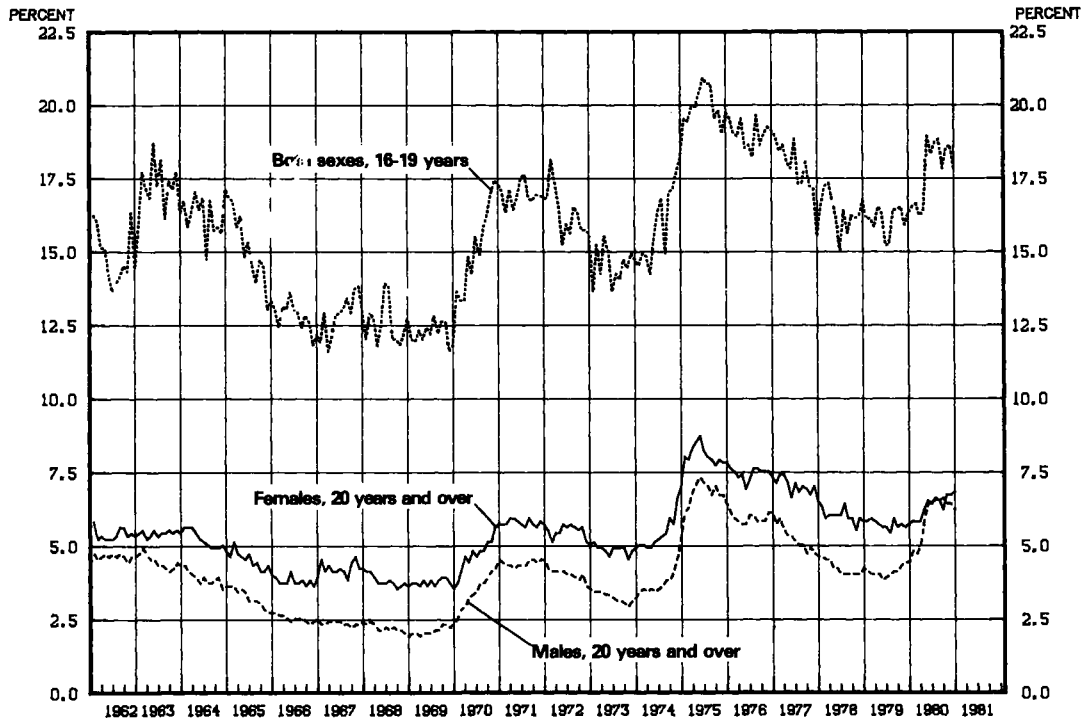


NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in the occupational classification system" in the Explanatory Notes.

SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age

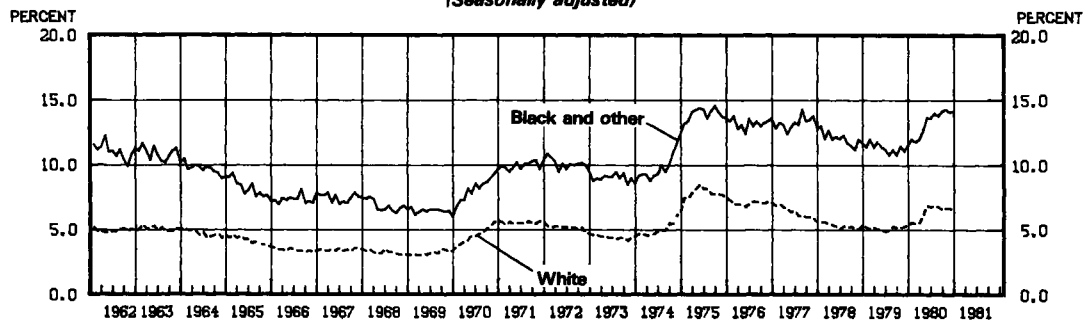
(Seasonally adjusted)



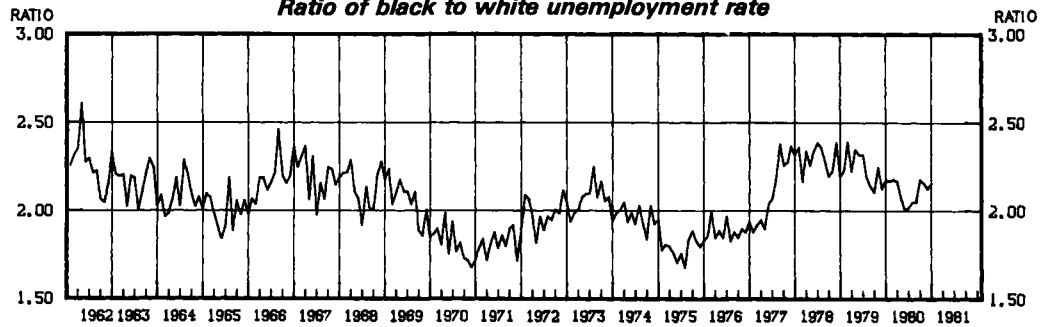
SOURCE: Table A-36.

Chart 11. Unemployment rates by race

(Seasonally adjusted)

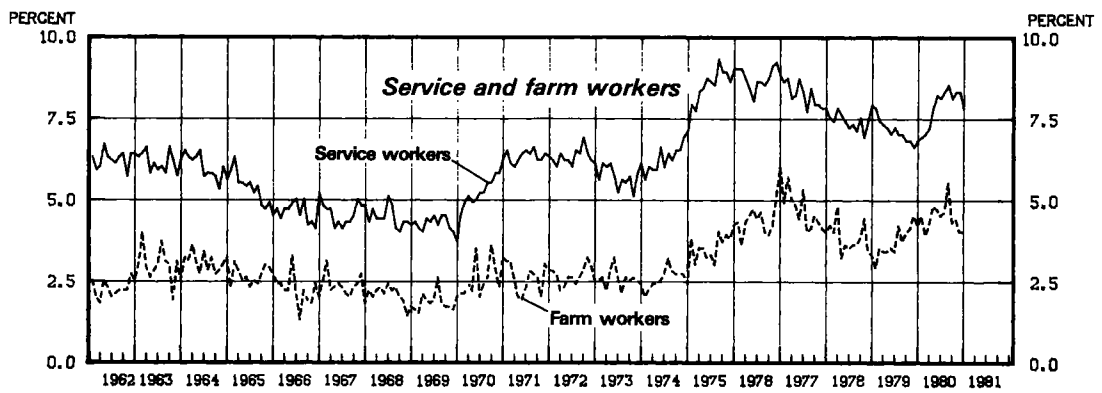
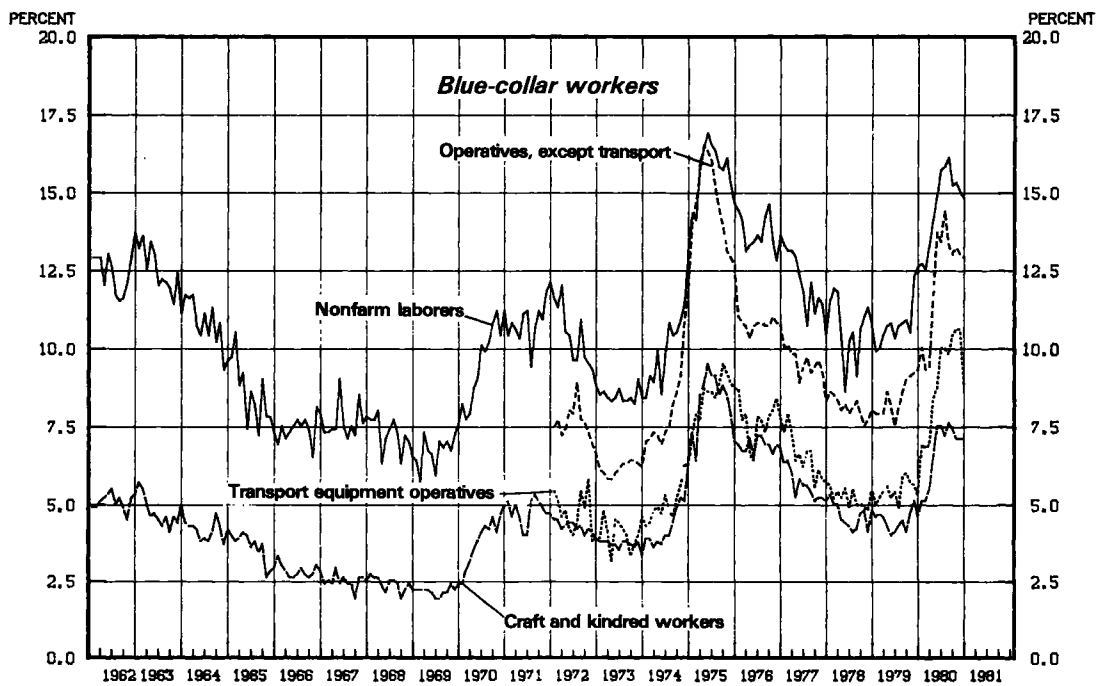
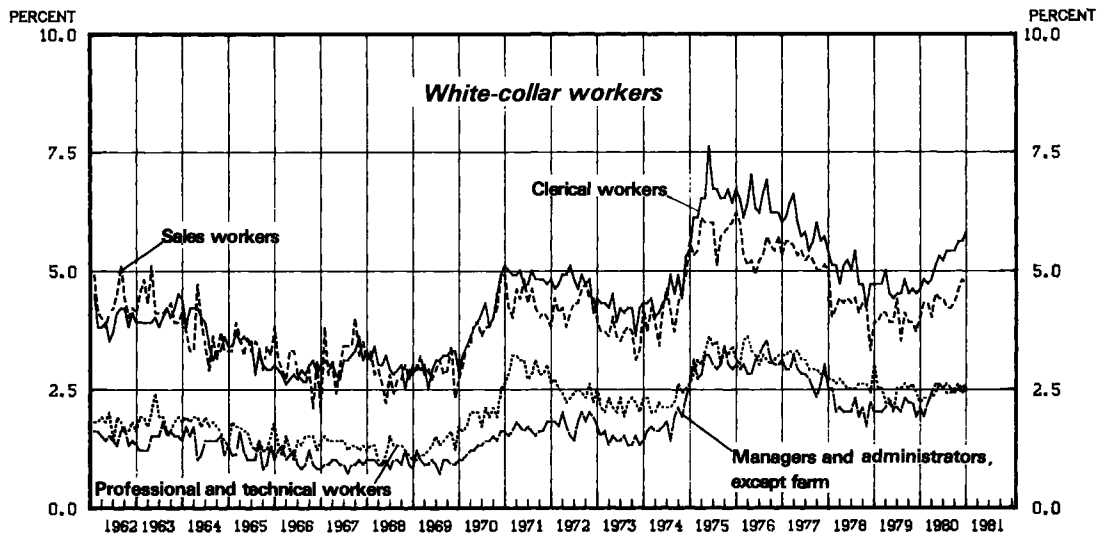


Ratio of black to white unemployment rate



SOURCE: Table A-35.

Chart 12. Unemployment rates by major occupational group
(Seasonally adjusted)



SOURCE: Table A-36.

Chart 13. Duration of unemployment

(Seasonally adjusted)

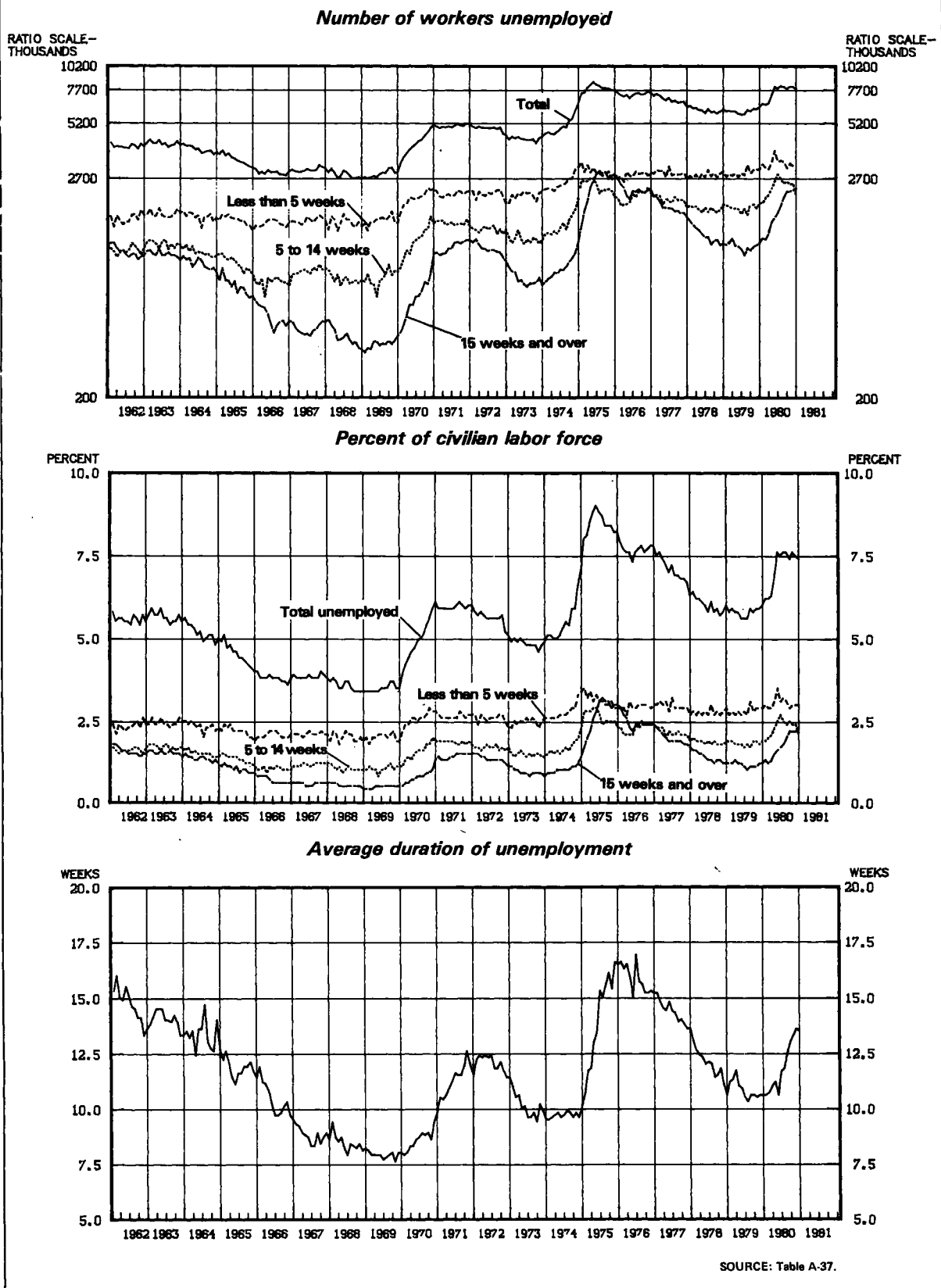
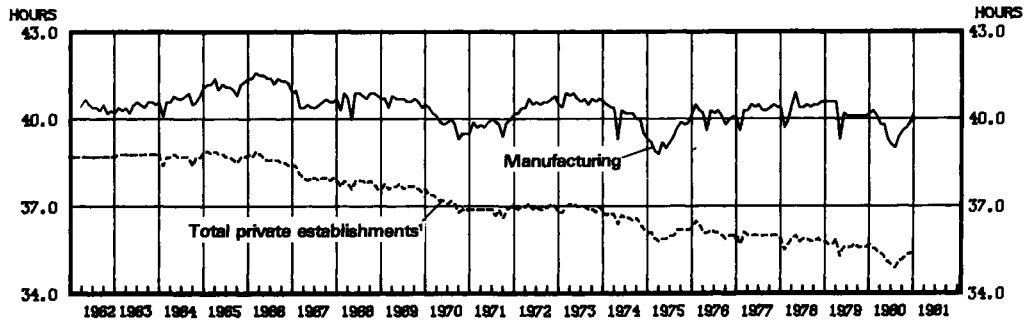
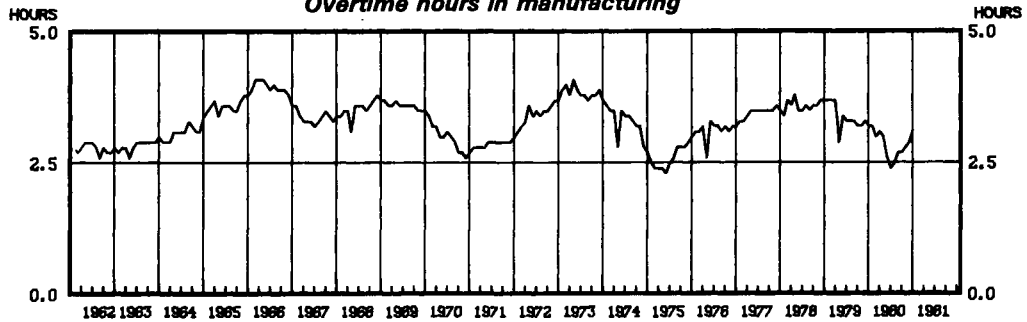


Chart 14. Average weekly hours in nonagricultural industries
(Seasonally adjusted)



Overtime hours in manufacturing

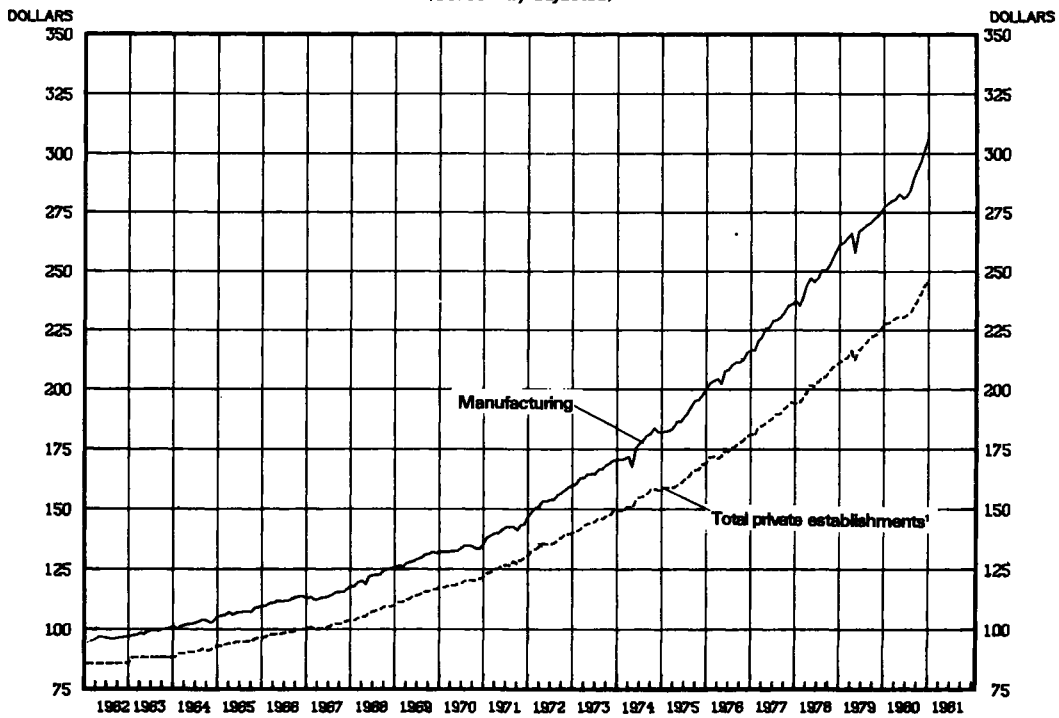


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries
(Seasonally adjusted)

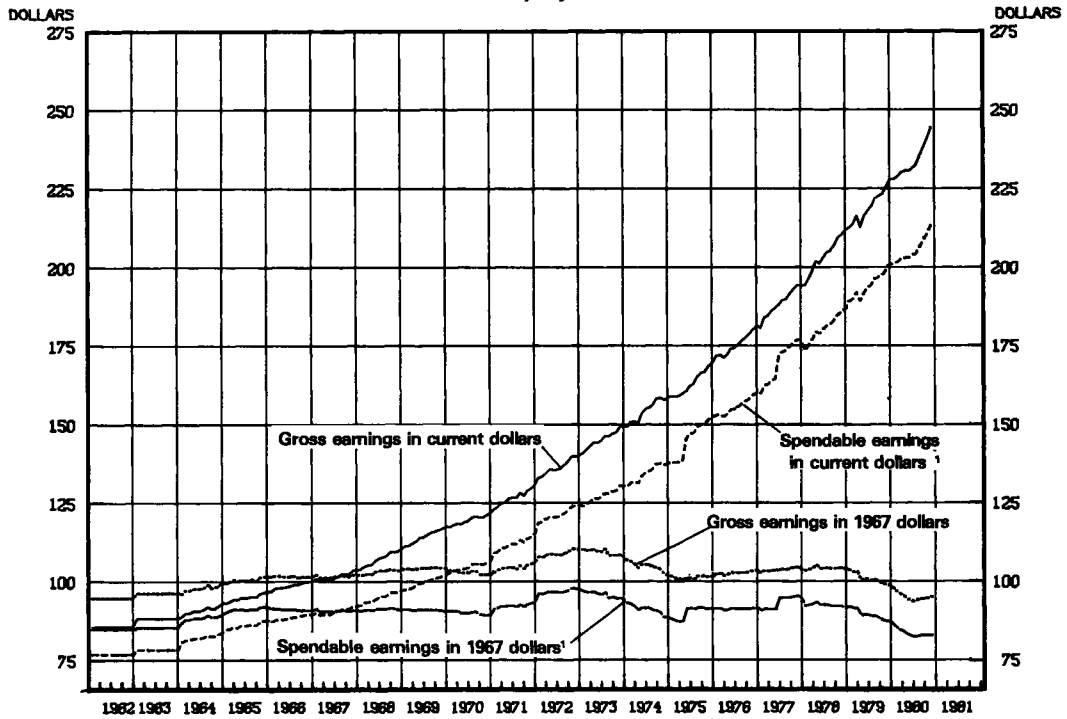


¹Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

Chart 16. Total private gross and spendable weekly earnings
(Seasonally adjusted)

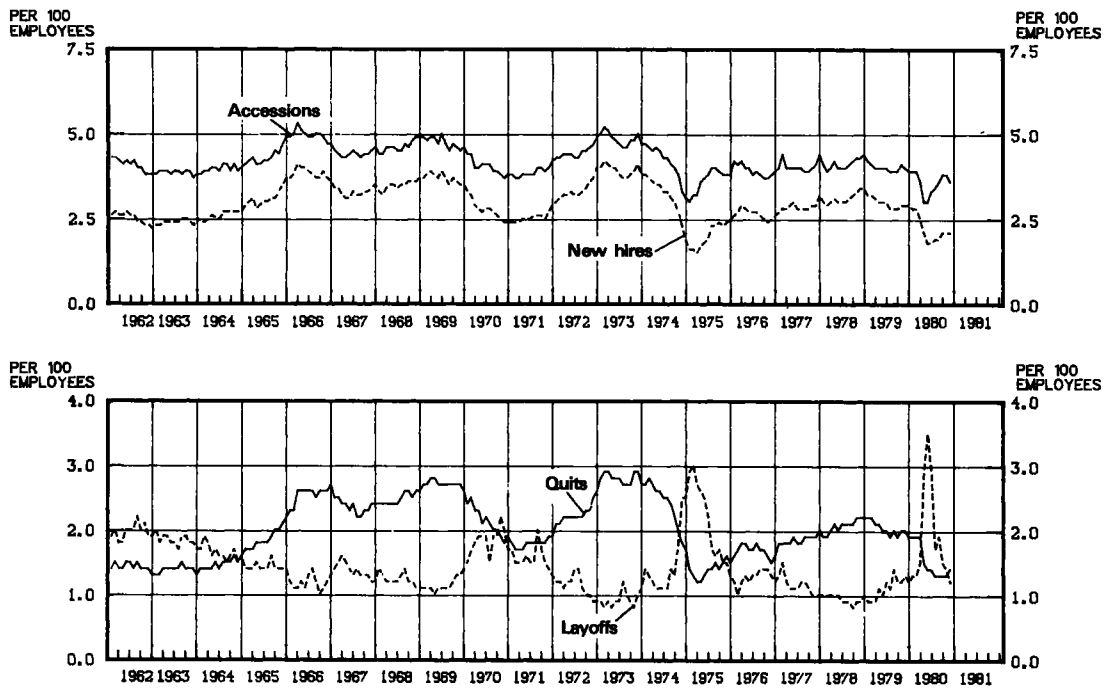


¹ Married worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-9.

Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	103,418	63,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,856	59.9	62,208	59,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ¹	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,405	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,331	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962.....	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,842	3.5	53,602
1970.....	140,182	85,933	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,953	5.9	55,666
1972.....	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,186	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	161,056	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	64.3	104,719	97,270	3,310	93,960	7,448	7.1	59,425
Monthly data, seasonally adjusted²										
1979:										
December..	164,898	106,142	64.4	104,053	97,781	3,323	94,458	6,272	6.0	58,756
1980:										
January..	165,101	106,289	64.4	104,208	97,708	3,287	94,421	6,500	6.2	58,812
February..	165,298	106,357	64.3	104,271	97,817	3,329	94,488	6,454	6.2	58,940
March.....	165,506	106,261	64.2	104,171	97,628	3,337	94,291	6,543	6.3	59,245
April.....	165,692	106,519	64.3	104,427	97,225	3,262	93,963	7,202	6.5	59,174
May.....	165,886	107,148	64.6	105,060	97,116	3,352	93,764	7,944	7.6	58,739
June.....	166,105	106,683	64.2	104,591	96,780	3,232	93,548	7,811	7.5	59,422
July.....	166,391	107,119	64.4	105,020	96,999	3,267	93,732	8,021	7.6	59,273
August....	166,578	107,059	64.3	104,945	97,003	3,210	93,793	7,942	7.6	59,519
September..	166,789	107,101	64.2	104,980	97,180	3,399	93,781	7,800	7.4	59,687
October..	167,005	107,288	64.2	105,167	97,206	3,319	93,887	7,961	7.6	59,717
November..	167,201	107,404	64.2	105,285	97,339	3,340	93,994	7,946	7.5	59,797
December..	167,396	107,191	64.0	105,067	97,282	3,394	93,688	7,785	7.4	60,205

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

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

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

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Sex, year, and month	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force					Not in labor force	
		Number	Percent of popula- tion	Total	Employed			Unemployed		
					Total	Agri- cultural	Nonagri- cultural indus- tries	Number		Percent of labor force
MALES										
Annual averages										
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,021	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,252	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
1978 ¹	77,165	60,535	78.4	58,542	55,491	2,681	52,810	3,051	5.2	16,634
1979.....	78,397	61,466	78.4	59,517	56,499	2,645	53,854	3,018	5.1	16,931
1980.....	79,642	62,088	78.0	60,145	55,988	2,664	53,324	4,157	6.9	17,554
Monthly data, seasonally adjusted ²										
1979:										
December	79,009	61,797	78.2	59,858	56,617	2,690	53,927	3,241	5.4	17,212
1980:										
January	79,104	61,838	78.2	59,906	56,458	2,681	53,777	3,448	5.8	17,267
February	79,196	61,946	78.2	60,009	56,631	2,700	53,931	3,378	5.6	17,250
March	79,295	61,923	78.1	59,989	56,489	2,691	53,796	3,500	5.8	17,372
April	79,382	61,983	78.1	60,048	56,054	2,623	53,431	3,994	6.7	17,399
May	79,472	62,366	78.5	60,457	55,914	2,669	53,245	4,543	7.5	17,664
June	79,575	62,028	77.9	60,093	55,597	2,605	52,992	4,456	7.5	17,548
July	79,710	62,206	78.0	60,271	55,678	2,635	53,043	4,593	7.6	17,502
August	79,798	62,096	77.8	60,147	55,589	2,605	52,984	4,558	7.6	17,760
September	79,897	62,278	77.9	60,320	55,754	2,726	53,026	4,566	7.6	17,619
October	80,000	62,335	77.9	60,375	55,881	2,668	53,213	4,458	7.4	17,665
November	80,091	62,342	77.8	60,388	55,897	2,691	53,206	4,491	7.4	17,749
December	80,183	62,213	77.6	60,254	55,920	2,651	53,269	4,334	7.2	17,970
FEMALES										
Annual averages										
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,574	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
1978 ¹	83,890	42,002	50.1	41,878	38,882	661	38,221	2,996	7.2	41,887
1979.....	85,223	43,531	51.1	43,391	40,446	652	39,794	2,945	6.8	41,692
1980.....	86,604	44,733	51.7	44,574	41,283	646	40,637	3,291	7.4	41,871
Monthly data, seasonally adjusted ²										
1979:										
December	85,889	44,345	51.6	44,195	41,164	633	40,531	3,031	6.9	41,544
1980:										
January	85,997	44,451	51.7	44,302	41,250	606	40,644	3,052	6.9	41,545
February	86,102	44,412	51.6	44,262	41,186	629	40,557	3,076	6.9	41,690
March	86,211	44,335	51.4	44,182	41,139	646	40,493	3,043	6.9	41,672
April	86,311	44,536	51.6	44,379	41,171	639	40,532	3,208	7.2	41,775
May	86,414	44,759	51.8	44,603	41,202	683	40,519	3,401	7.6	41,655
June	86,530	44,655	51.6	44,498	41,183	627	40,556	3,315	7.4	41,875
July	86,681	44,910	51.8	44,749	41,321	632	40,689	3,428	7.7	41,771
August	86,780	44,961	51.8	44,798	41,414	605	40,809	3,384	7.6	41,819
September	86,892	44,823	51.6	44,660	41,426	673	40,753	3,234	7.2	42,068
October	87,006	44,953	51.7	44,788	41,325	651	40,674	3,463	7.7	42,053
November	87,110	45,062	51.7	44,897	41,442	649	40,793	3,455	7.7	42,048
December	87,213	44,978	51.6	44,813	41,362	743	40,619	3,451	7.7	42,235

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

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

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

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

(Numbers in thousands)

Sex, age, and race	December 1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	61,704	77.0	55,745	55,644	4,100	6.9	18,479	420	4,737	1,568	11,755
16 to 21 years	8,160	64.7	7,511	6,246	1,265	16.8	4,449	20	3,926	32	471
16 to 19 years	4,742	57.1	4,460	3,604	857	19.2	3,565	11	3,246	11	297
16 to 17 years	1,804	44.3	1,781	1,408	373	20.9	2,264	4	2,132	1	126
18 to 19 years	2,939	69.3	2,679	2,195	483	18.0	1,302	7	1,114	10	171
20 to 64 years	55,123	89.0	53,446	50,249	3,198	6.0	6,816	220	1,489	1,109	3,998
20 to 24 years	8,856	85.0	8,114	7,135	979	12.1	1,564	19	1,114	48	383
25 to 54 years	39,145	94.2	38,212	36,221	1,990	5.2	2,414	117	364	594	1,339
25 to 29 years	8,845	94.2	8,481	7,831	650	7.7	544	18	228	52	245
30 to 34 years	8,303	95.9	8,046	7,614	432	5.4	359	15	82	74	187
35 to 39 years	6,606	96.0	6,418	6,144	274	4.3	275	11	20	76	168
40 to 44 years	5,442	95.3	5,354	5,125	229	4.3	268	24	16	71	156
45 to 49 years	5,005	93.8	4,976	4,748	228	4.6	330	27	9	106	188
50 to 54 years	4,944	88.6	4,937	4,760	177	3.6	638	21	5	215	354
55 to 64 years	7,123	71.5	7,121	6,893	229	3.2	2,839	85	10	468	2,276
55 to 59 years	4,382	81.5	4,381	4,245	137	3.1	992	34	7	237	714
60 to 64 years	2,740	59.7	2,740	2,648	92	3.4	1,846	51	3	231	1,561
65 years and over	1,838	18.5	1,838	1,792	46	2.5	8,098	189	2	447	7,460
65 to 69 years	1,066	27.8	1,066	1,036	28	2.6	2,772	53	2	142	2,574
70 years and over	772	12.7	772	754	18	2.4	5,326	136	--	304	4,886
White											
16 years and over	54,752	77.8	53,234	49,596	3,238	6.1	15,658	321	3,802	1,241	10,294
16 to 21 years	7,147	67.0	6,658	5,690	968	14.5	3,513	8	3,144	22	338
16 to 19 years	4,182	59.8	3,966	3,305	661	16.7	2,816	7	2,581	8	220
16 to 17 years	1,626	47.7	1,608	1,329	279	17.3	1,780	1	1,675	1	98
18 to 19 years	2,556	71.2	2,358	1,976	382	16.2	1,036	6	902	6	122
20 to 64 years	48,895	89.8	47,593	45,054	2,538	5.3	5,583	160	1,219	865	3,339
20 to 24 years	7,700	86.3	7,148	6,392	756	10.6	1,224	6	922	33	262
25 to 54 years	34,715	94.9	33,967	32,377	1,589	4.7	1,853	87	288	451	1,028
25 to 29 years	15,095	95.7	14,608	13,768	840	5.7	685	28	246	105	306
30 to 34 years	10,725	96.3	10,495	10,074	421	4.0	406	27	25	104	246
35 to 44 years	8,896	92.1	8,864	8,535	329	3.7	762	33	13	242	475
55 to 64 years	6,479	72.1	6,478	6,285	193	3.0	2,506	66	8	381	2,051
55 to 59 years	3,984	82.3	3,983	3,871	112	2.8	855	23	4	204	623
60 to 64 years	2,495	60.2	2,495	2,414	81	3.3	1,651	44	3	177	1,427
65 years and over	1,675	18.8	1,675	1,637	39	2.3	7,259	153	2	369	6,735
Black and other											
16 years and over	6,951	71.1	6,511	5,648	862	13.2	2,821	99	935	326	1,461
16 to 21 years	1,013	52.0	853	555	298	34.9	935	12	782	9	132
16 to 19 years	560	42.8	495	295	196	39.6	749	3	665	4	77
16 to 17 years	177	26.8	174	80	94	54.2	484	2	453	--	28
18 to 19 years	382	59.0	321	219	102	31.6	265	1	212	4	49
20 to 64 years	6,229	83.5	5,854	5,194	660	11.3	1,234	60	270	245	658
20 to 24 years	1,156	77.3	965	742	223	23.1	340	13	191	14	122
25 to 54 years	4,428	88.7	4,245	3,844	400	9.4	560	28	78	144	312
25 to 29 years	2,053	90.4	1,919	1,677	242	12.6	218	5	65	21	127
30 to 34 years	1,323	90.7	1,277	1,195	83	6.5	136	8	7	43	78
35 to 44 years	1,053	83.6	1,048	972	76	7.3	207	15	5	79	107
55 to 64 years	644	65.9	644	608	36	5.6	333	19	2	87	225
55 to 59 years	399	74.3	398	374	25	6.2	138	12	2	32	91
60 to 64 years	245	55.7	245	234	11	4.5	195	7	--	54	134
65 years and over	162	16.2	162	155	7	4.5	838	35	--	78	725

HOUSEHOLD DATA

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

(Numbers in thousands)

Sex, age, and race	December 1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	45,198	51.8	45,033	41,900	3,133	7.0	42,015	31,939	4,517	1,057	4,502
16 to 21 years	6,968	56.5	6,903	6,010	893	12.9	5,371	1,288	3,725	17	341
16 to 19 years	4,184	51.5	4,156	3,567	589	14.2	3,533	602	3,114	5	212
16 to 17 years	1,645	41.8	1,643	1,375	268	16.3	2,290	160	2,046	2	82
18 to 19 years	2,539	60.7	2,513	2,191	321	12.8	1,643	442	1,066	3	130
20 to 64 years	39,906	61.5	35,768	37,254	2,515	6.3	24,991	21,323	1,396	504	1,767
20 to 24 years	7,207	69.2	7,126	6,427	699	9.8	3,202	1,964	931	27	279
25 to 54 years	28,121	64.9	28,064	26,442	1,623	5.8	15,234	13,753	447	235	758
25 to 29 years	6,460	67.5	6,421	5,904	517	8.1	3,111	2,734	176	28	174
30 to 34 years	5,761	64.8	5,749	5,407	342	5.9	3,130	2,826	133	15	156
35 to 39 years	4,814	66.6	4,811	4,517	293	6.1	2,474	2,225	71	35	83
40 to 44 years	4,018	66.3	4,017	3,640	176	4.4	2,043	1,872	36	38	95
45 to 49 years	3,551	63.0	3,550	3,399	151	4.3	2,083	1,909	16	40	116
50 to 54 years	3,517	58.9	3,517	3,374	143	4.1	2,453	2,187	12	80	174
55 to 64 years	4,577	41.1	4,577	4,385	192	4.2	6,556	5,607	17	243	690
55 to 59 years	2,865	48.4	2,865	2,749	116	4.0	3,051	2,661	14	126	250
60 to 64 years	1,712	32.8	1,712	1,636	77	4.5	3,505	2,945	3	117	440
65 years and over	1,109	7.8	1,109	1,080	29	2.6	13,091	10,014	7	548	2,523
65 to 69 years	702	14.7	702	681	21	3.0	4,080	3,269	7	104	700
70 years and over	407	4.3	407	399	8	2.1	9,012	6,745	--	444	1,623
White											
16 years and over	39,066	51.6	38,944	36,594	2,351	6.0	36,664	28,475	3,551	835	3,802
16 to 21 years	6,176	59.7	6,128	5,465	664	10.8	4,172	1,012	2,521	8	231
16 to 19 years	3,751	55.2	3,731	3,277	454	12.2	3,041	469	2,426	2	145
16 to 17 years	1,501	45.8	1,500	1,291	209	14.0	1,777	128	1,586	2	61
18 to 19 years	2,250	64.0	2,231	1,986	245	11.0	1,264	340	840	--	64
20 to 64 years	34,327	61.2	34,225	32,351	1,874	5.5	21,761	18,829	1,119	382	1,433
20 to 24 years	6,260	71.4	6,201	5,706	495	8.0	2,513	1,568	736	15	194
25 to 54 years	24,028	64.3	23,985	22,770	1,215	5.1	13,317	12,124	370	174	650
25 to 29 years	10,313	65.5	10,275	9,656	619	6.0	5,438	4,890	247	38	264
30 to 34 years	7,579	66.1	7,575	7,208	367	4.8	3,892	3,604	96	46	146
35 to 44 years	6,136	60.6	6,135	5,507	228	3.7	3,986	3,631	26	90	239
55 to 64 years	4,039	40.5	4,038	3,875	164	4.1	5,932	5,137	14	192	590
55 to 59 years	2,534	48.0	2,534	2,431	103	4.1	2,750	2,425	10	97	218
60 to 64 years	1,505	32.1	1,505	1,444	61	4.0	3,162	2,712	3	95	371
65 years and over	989	7.7	989	966	23	2.3	11,861	9,178	6	452	2,224
Black and other											
16 years and over	6,132	53.4	6,088	5,307	782	12.8	5,351	3,464	965	222	700
16 to 21 years	793	39.8	775	546	229	29.6	1,159	277	804	9	110
16 to 19 years	433	32.7	425	290	135	31.7	892	133	668	3	68
16 to 17 years	144	21.9	143	85	58	40.8	513	32	460	--	21
18 to 19 years	289	43.3	282	205	76	27.1	379	102	228	3	46
20 to 64 years	5,579	63.3	5,543	4,902	641	11.6	3,229	2,495	278	123	334
20 to 24 years	947	57.9	926	721	204	22.1	689	396	196	12	86
25 to 54 years	4,093	68.1	4,079	3,671	408	10.0	1,916	1,629	75	61	148
25 to 29 years	1,909	70.4	1,896	1,656	240	12.7	803	671	61	5	66
30 to 34 years	1,253	68.9	1,252	1,150	102	8.2	565	493	13	27	32
35 to 44 years	932	62.9	932	866	66	7.1	549	465	4	29	50
55 to 64 years	538	46.3	538	510	28	5.3	623	470	3	50	100
55 to 59 years	331	52.4	331	318	13	3.8	301	236	3	29	32
60 to 64 years	208	39.2	208	192	16	7.6	323	233	--	21	68
65 years and over	120	8.9	120	114	6	4.9	1,231	636	--	96	299

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
MALES								
16 years and over	61,351	61,704	77.7	77.0	59,412	59,745	77.1	76.4
16 to 19 years	5,030	4,742	59.8	57.1	4,745	4,460	58.4	55.6
16 to 17 years	2,015	1,804	48.6	44.3	1,996	1,781	48.4	44.0
18 to 19 years	3,016	2,939	70.6	69.3	2,749	2,679	68.7	67.3
20 to 24 years	8,863	8,856	85.9	85.0	8,132	8,114	84.9	83.8
25 to 54 years	38,453	39,145	94.5	94.2	37,531	38,212	94.4	94.1
25 to 34 years	16,653	17,148	95.6	95.0	16,042	16,527	95.4	94.8
35 to 44 years	11,771	12,047	95.9	95.7	11,496	11,773	95.8	95.6
45 to 54 years	10,029	9,949	91.2	91.1	9,993	9,912	91.2	91.1
55 to 64 years	7,111	7,123	72.2	71.5	7,110	7,121	72.2	71.5
55 to 59 years	4,396	4,382	81.9	81.5	4,395	4,381	81.9	81.5
60 to 64 years	2,715	2,740	60.7	59.7	2,715	2,740	60.7	59.7
65 years and over	1,894	1,838	19.4	18.5	1,894	1,838	19.4	18.5
White								
16 years and over	54,523	54,752	78.4	77.8	53,014	53,234	78.0	77.3
16 to 19 years	4,502	4,182	63.3	59.8	4,289	3,966	62.1	58.5
16 to 17 years	1,843	1,626	52.9	47.7	1,828	1,608	52.7	47.5
18 to 19 years	2,659	2,556	73.3	71.2	2,461	2,358	71.7	69.5
20 to 24 years	7,681	7,700	86.7	86.3	7,132	7,148	85.9	85.4
25 to 54 years	34,126	34,715	95.1	94.9	33,381	33,967	95.0	94.8
25 to 34 years	14,692	15,095	96.2	95.7	14,209	14,608	96.0	95.5
35 to 44 years	10,478	10,725	96.5	96.3	10,249	10,495	96.4	96.3
45 to 54 years	8,955	8,896	91.9	92.1	8,923	8,864	91.8	92.1
55 to 64 years	6,510	6,479	73.2	72.1	6,509	6,478	73.2	72.1
55 to 59 years	4,014	3,984	82.9	82.3	4,013	3,983	82.9	82.3
60 to 64 years	2,495	2,495	61.5	60.2	2,495	2,495	61.5	60.2
65 years and over	1,704	1,675	19.4	18.8	1,704	1,675	19.4	18.8
Black and other								
16 years and over	6,828	6,951	71.9	71.1	6,398	6,511	70.6	69.8
16 to 19 years	528	560	40.6	42.8	456	495	37.2	39.8
16 to 17 years	171	177	26.0	26.8	167	174	25.5	26.4
18 to 19 years	357	382	55.7	59.0	289	321	50.5	54.7
20 to 24 years	1,182	1,156	81.0	77.3	1,000	965	78.3	73.9
25 to 54 years	4,326	4,428	90.0	88.7	4,150	4,245	89.6	88.3
25 to 34 years	1,960	2,053	91.3	90.4	1,833	1,919	90.7	89.8
35 to 44 years	1,293	1,323	91.4	90.7	1,248	1,277	91.1	90.4
45 to 54 years	1,074	1,053	86.1	83.6	1,070	1,048	86.1	83.5
55 to 64 years	601	644	63.4	65.9	601	644	63.4	65.9
55 to 59 years	382	399	72.0	74.3	382	398	72.0	74.3
60 to 64 years	220	245	52.5	55.7	220	245	52.5	55.7
65 years and over	190	162	19.5	16.2	190	162	19.5	16.2

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
FEMALES								
16 years and over	44,622	45,198	52.0	51.8	44,472	45,033	51.9	51.7
16 to 19 years	4,441	4,184	54.0	51.5	4,414	4,156	53.9	51.4
16 to 17 years	1,825	1,645	45.5	41.8	1,823	1,643	45.5	41.8
18 to 19 years	2,616	2,539	62.1	60.7	2,592	2,513	61.9	60.5
20 to 24 years	7,105	7,207	69.0	69.2	7,032	7,126	68.8	69.0
25 to 54 years	27,251	28,121	64.2	64.9	27,201	28,064	64.1	64.8
25 to 34 years	11,665	12,221	65.5	66.2	11,619	12,170	65.4	66.1
35 to 44 years	8,526	8,832	65.8	66.5	8,522	8,827	65.8	66.4
45 to 54 years	7,062	7,068	60.3	60.9	7,061	7,067	60.3	60.9
55 to 64 years	4,667	4,577	42.4	41.1	4,667	4,577	42.4	41.1
55 to 59 years	2,904	2,865	45.2	48.4	2,904	2,865	49.2	48.4
60 to 64 years	1,763	1,712	34.6	32.8	1,763	1,712	34.6	32.8
65 years and over	1,157	1,109	8.3	7.8	1,157	1,109	8.3	7.8
White								
16 years and over	38,608	39,066	51.7	51.6	38,495	38,944	51.6	51.5
16 to 19 years	3,943	3,751	57.1	55.2	3,924	3,731	57.0	55.1
16 to 17 years	1,643	1,501	49.0	45.8	1,641	1,500	48.9	45.8
18 to 19 years	2,300	2,250	64.8	64.0	2,282	2,231	64.6	63.8
20 to 24 years	6,135	6,260	70.5	71.4	6,080	6,201	70.3	71.2
25 to 54 years	23,338	24,028	63.6	64.3	23,300	23,985	63.6	64.3
25 to 34 years	9,879	10,313	64.8	65.5	9,845	10,275	64.7	65.4
35 to 44 years	7,300	7,579	65.2	66.1	7,297	7,575	65.2	66.1
45 to 54 years	6,159	6,136	60.1	60.6	6,158	6,135	60.1	60.6
55 to 64 years	4,172	4,039	42.2	40.5	4,172	4,038	42.2	40.5
55 to 59 years	2,591	2,534	49.1	48.0	2,591	2,534	49.1	48.0
60 to 64 years	1,581	1,505	34.4	32.1	1,581	1,505	34.4	32.1
65 years and over	1,020	989	8.1	7.7	1,020	989	8.1	7.7
Black and other								
16 years and over	6,014	6,132	54.0	53.4	5,977	6,088	53.8	53.2
16 to 19 years	498	433	37.8	32.7	491	425	37.4	32.3
16 to 17 years	182	144	27.7	21.9	181	143	27.7	21.8
18 to 19 years	316	289	47.7	43.3	309	282	47.1	42.7
20 to 24 years	970	947	60.8	57.9	952	926	60.3	57.3
25 to 54 years	3,914	4,093	67.6	68.1	3,902	4,079	67.5	68.0
25 to 34 years	1,786	1,909	65.4	70.4	1,775	1,896	69.3	70.2
35 to 44 years	1,226	1,253	69.7	68.9	1,225	1,252	69.7	68.9
45 to 54 years	903	932	61.7	62.9	903	932	61.7	62.9
55 to 64 years	494	538	43.9	46.3	494	538	43.9	46.3
55 to 59 years	313	331	50.4	52.4	313	331	50.4	52.4
60 to 64 years	182	208	36.0	39.2	182	208	36.0	39.2
65 years and over	138	120	10.5	8.9	138	120	10.5	8.9

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

[Numbers in thousands]

Sex and age	December 1980						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL	10,627	9,128	190	8,938	1,499	14.1	6,984
16 years and over	799	485	19	466	314	39.3	1,434
16 to 17 years	277	132	5	127	144	52.2	876
18 to 19 years	523	353	14	339	170	32.5	558
20 to 24 years	1,612	1,222	15	1,207	390	24.2	871
25 to 54 years	6,958	6,228	111	6,116	731	10.5	2,031
25 to 34 years	3,169	2,731	34	2,698	438	13.8	804
35 to 44 years	2,129	1,965	31	1,934	164	7.7	586
45 to 54 years	1,660	1,531	46	1,485	125	7.8	641
55 to 64 years	1,012	957	28	929	55	5.4	852
55 to 59 years	621	584	15	570	36	5.9	384
60 to 64 years	391	372	13	359	19	4.8	468
65 years and over	246	237	17	220	5	3.7	1,796
Males							
16 years and over	5,460	4,689	166	4,523	771	14.1	2,428
16 to 19 years	437	248	14	235	188	43.0	642
18 to 17 years	158	65	4	61	91	57.6	416
18 to 19 years	280	183	9	174	97	34.6	226
20 to 24 years	811	619	14	605	192	23.7	268
25 to 54 years	3,537	3,182	96	3,085	357	10.1	479
25 to 34 years	1,584	1,367	29	1,339	216	13.6	173
35 to 44 years	1,077	1,004	27	977	72	6.7	118
45 to 54 years	877	809	40	769	68	7.8	187
55 to 64 years	539	510	25	484	29	5.4	310
55 to 59 years	334	309	15	295	23	6.9	127
60 to 64 years	205	200	10	189	6	2.9	183
65 years and over	136	131	17	114	5	3.7	709
Females							
16 years and over	5,167	4,439	24	4,415	728	14.1	4,556
16 to 19 years	362	237	5	231	126	34.7	792
18 to 17 years	119	67	1	66	53	44.1	460
18 to 19 years	243	170	5	165	73	30.2	332
20 to 24 years	801	603	1	602	198	24.7	583
25 to 54 years	3,421	3,046	15	3,031	374	10.9	1,552
25 to 34 years	1,585	1,364	5	1,359	222	14.0	631
35 to 44 years	1,052	961	4	957	92	8.7	468
45 to 54 years	783	722	6	716	61	7.8	454
55 to 64 years	473	447	3	445	26	5.5	542
55 to 59 years	287	275	--	275	13	4.4	257
60 to 64 years	186	172	3	170	13	7.2	285
65 years and over	110	106	--	106	4	3.5	1,087

NOTE: Data relate to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group.

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

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
TOTAL								
Total noninstitutional population	164,898	167,396	70,594	71,875	77,666	79,097	16,638	16,424
Total labor force	105,973	106,502	56,320	56,961	40,181	41,015	5,471	8,926
Percent of population	64.3	63.9	79.8	79.3	51.7	51.9	56.5	54.3
Civilian labor force	103,884	104,778	54,666	55,284	40,057	40,677	9,160	8,616
Employed	98,047	97,545	52,335	52,041	37,954	38,334	7,759	7,170
Agriculture	2,995	3,044	2,292	2,228	466	545	237	270
Nonagricultural industries	95,052	94,501	50,043	49,812	37,487	37,788	7,522	6,901
Unemployed	5,836	7,233	2,331	3,244	2,104	2,544	1,401	1,445
Percent of labor force	5.6	6.9	4.3	5.9	5.3	6.2	15.3	16.8
Not in labor force	58,925	60,494	14,274	14,914	37,485	38,082	7,166	7,498
White								
Total noninstitutional population	144,267	146,140	62,404	63,412	67,844	68,938	14,019	13,790
Total labor force	93,131	93,819	50,021	50,570	34,665	35,316	8,445	7,933
Percent of population	64.6	64.2	80.2	79.7	51.1	51.2	60.2	57.5
Civilian labor force	91,509	92,179	48,725	49,268	34,571	35,214	8,213	7,696
Employed	86,993	86,590	46,906	46,691	32,975	33,317	7,113	6,581
Agriculture	2,709	2,798	2,060	2,036	427	513	222	249
Nonagricultural industries	84,284	83,792	44,846	44,655	32,548	32,804	6,890	6,333
Unemployed	4,516	5,589	1,819	2,577	1,597	1,897	1,100	1,115
Percent of labor force	4.9	6.1	3.7	5.2	4.6	5.4	13.4	14.5
Not in labor force	51,136	52,322	12,383	12,842	33,179	33,622	5,574	5,857
Black and other								
Total noninstitutional population	20,631	21,255	8,191	8,463	9,822	10,159	2,618	2,634
Total labor force	12,842	13,083	6,300	6,391	5,516	5,699	1,026	993
Percent of population	62.2	61.6	76.9	75.5	56.2	56.1	39.2	37.7
Civilian labor force	12,374	12,599	5,941	6,016	5,466	5,663	947	920
Employed	11,054	10,955	5,429	5,349	4,979	5,016	646	589
Agriculture	286	246	232	192	40	32	14	21
Nonagricultural industries	10,768	10,709	5,197	5,157	4,939	4,984	632	568
Unemployed	1,321	1,644	512	667	507	647	301	330
Percent of labor force	10.7	13.0	8.6	11.1	9.2	11.4	31.8	35.9
Not in labor force	7,789	8,172	1,891	2,072	4,306	4,460	1,592	1,641

NOTE: Corrected values for employed white workers in agriculture are 3,156 in Oct. 1979, 2,985 in Nov. 1979, 3,288 in Oct. 1980, and 2,972 in Nov. 1980.

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

(Numbers in thousands)

Employment status and major activity	December 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,947	12,608	12,339	21,008	10,660	10,347	3,939	1,948	1,992
Total labor force	15,128	8,160	6,968	13,323	7,147	6,176	1,805	1,013	793
Percent of population	60.6	64.7	56.5	63.4	67.0	59.7	45.8	52.0	35.8
Civilian labor force	14,414	7,511	6,903	12,786	6,658	6,128	1,628	853	775
Employed	12,256	6,246	6,010	11,155	5,690	5,465	1,101	555	546
Agriculture	390	314	76	364	293	70	26	21	6
Nonagricultural industries	11,866	5,931	5,935	10,791	5,397	5,395	1,075	535	540
Unemployed	2,158	1,265	893	1,631	968	664	527	298	229
Looking for full-time work	1,372	843	529	1,042	663	380	325	180	150
Looking for part-time work	786	422	364	589	305	284	157	118	80
Percent of labor force	15.0	16.8	12.9	12.8	14.5	10.8	32.4	34.9	29.6
Not in labor force	9,820	4,449	5,371	7,685	3,513	4,172	2,134	935	1,199
Major activity: going to school									
Civilian labor force	4,351	2,209	2,141	3,896	1,962	1,934	454	247	207
Employed	3,610	1,781	1,829	3,362	1,663	1,699	247	117	130
Agriculture	119	101	18	114	96	18	5	5	--
Nonagricultural industries	3,490	1,680	1,811	3,248	1,567	1,681	242	112	130
Unemployed	741	429	312	534	299	235	207	130	77
Looking for full-time work	81	52	29	47	35	12	34	17	17
Looking for part-time work	660	377	283	487	264	222	173	113	61
Percent of labor force	17.0	19.4	14.6	13.7	15.2	12.1	45.6	52.5	37.3
Not in labor force	7,652	3,926	3,725	6,065	3,144	2,921	1,586	782	804
Major activity: other									
Civilian labor force	10,063	5,301	4,762	8,890	4,696	4,194	1,173	606	568
Employed	8,646	4,465	4,181	7,792	4,027	3,766	854	438	416
Agriculture	270	213	57	249	198	52	21	16	5
Nonagricultural industries	8,376	4,252	4,124	7,543	3,829	3,714	832	422	410
Unemployed	1,417	836	581	1,097	669	429	320	168	152
Looking for full-time work	1,291	791	500	995	628	367	256	163	133
Looking for part-time work	126	45	81	102	40	62	24	5	19
Percent of labor force	14.1	15.8	12.2	12.3	14.2	10.2	27.3	27.7	26.8
Not in labor force	2,168	522	1,646	1,620	369	1,251	548	153	395

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

(Numbers in thousands)

Sex, age, and race	December 1980								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part-time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	88,881	78,717	4,166	5,998	6.7	15,896	14,661	1,235	7.8
16 to 21 years	8,572	6,281	919	1,372	16.0	5,842	5,056	786	13.5
16 to 19 years	3,933	2,639	535	756	19.2	4,683	3,993	689	14.7
16 to 17 years	571	291	121	159	27.8	2,854	2,372	482	16.9
18 to 19 years	3,363	2,348	417	597	17.8	1,829	1,621	207	11.3
20 years and over	84,948	76,079	3,627	5,242	6.2	11,214	10,668	546	4.9
20 to 24 years	12,960	10,603	857	1,501	11.6	2,280	2,102	178	7.8
25 years and over	71,987	65,476	2,771	3,741	5.2	8,934	8,565	368	4.1
25 to 54 years	60,088	54,525	2,220	3,343	5.6	6,188	5,918	269	4.3
55 years and over	11,899	10,950	551	398	3.3	2,746	2,647	99	3.6
Males, 16 years and over	54,639	49,046	2,022	3,571	6.5	5,106	4,576	529	10.4
16 to 21 years	4,708	3,460	406	843	17.9	2,802	2,380	422	15.1
16 to 19 years	2,179	1,466	238	476	21.8	2,281	1,900	381	16.7
20 years and over	52,460	47,580	1,785	3,095	5.9	2,825	2,676	149	5.3
20 to 24 years	7,173	5,824	438	911	12.7	940	872	68	7.2
25 years and over	45,286	41,756	1,346	2,184	4.8	1,885	1,803	81	4.3
25 to 54 years	37,469	34,462	1,056	1,951	5.2	743	703	39	5.2
55 years and over	7,817	7,293	290	233	3.0	1,142	1,100	42	3.7
Females, 16 years and over	34,242	29,672	2,144	2,427	7.1	10,791	10,085	706	6.5
16 to 21 years	3,863	2,821	513	529	13.7	3,040	2,676	364	12.0
16 to 19 years	1,754	1,172	301	280	16.0	2,402	2,093	309	12.8
20 years and over	32,488	28,499	1,843	2,147	6.6	8,389	7,992	397	4.7
20 to 24 years	5,787	4,779	418	590	10.2	1,339	1,230	110	8.2
25 years and over	26,701	23,720	1,425	1,557	5.8	7,049	6,762	287	4.1
25 to 54 years	22,619	20,063	1,164	1,393	6.2	5,446	5,215	230	4.2
55 years and over	4,082	3,657	261	164	4.0	1,604	1,547	57	3.6
White									
Males, 16 years and over	48,686	44,143	1,697	2,846	5.8	4,548	4,156	392	8.6
16 to 21 years	4,155	3,156	336	663	16.0	2,503	2,198	305	12.2
16 to 19 years	1,936	1,354	201	380	19.6	2,030	1,749	281	13.8
20 years and over	46,750	42,789	1,496	2,466	5.3	2,518	2,407	111	4.4
20 to 24 years	6,303	5,246	351	706	11.2	846	796	50	5.9
25 years and over	40,448	37,543	1,146	1,760	4.4	1,672	1,611	61	3.6
25 to 54 years	33,335	30,879	897	1,561	4.7	631	603	28	4.4
55 years and over	7,112	6,665	249	199	2.8	1,041	1,008	33	3.2
Females, 16 years and over	29,152	25,592	1,780	1,780	6.1	9,792	9,222	571	5.8
16 to 21 years	3,370	2,544	447	380	11.3	2,758	2,474	284	10.3
16 to 19 years	1,553	1,068	263	222	14.3	2,178	1,946	232	10.6
20 years and over	27,599	24,525	1,517	1,558	5.6	7,615	7,276	339	4.5
20 to 24 years	4,980	4,222	357	400	8.0	1,221	1,126	95	7.7
25 years and over	22,619	20,303	1,160	1,157	5.1	6,394	6,150	245	3.8
25 to 54 years	19,005	17,033	952	1,020	5.4	4,981	4,786	195	3.9
55 years and over	3,614	3,270	207	137	3.8	1,413	1,364	50	3.5
Black and other									
Males, 16 years and over	5,953	4,903	325	725	12.2	558	420	138	24.7
16 to 21 years	553	303	70	180	32.5	300	182	118	39.3
16 to 19 years	244	112	36	95	39.2	251	151	100	40.0
20 years and over	5,709	4,791	289	629	11.0	307	269	37	12.2
20 to 24 years	871	579	87	205	23.5	95	76	18	15.1
25 years and over	4,838	4,212	201	424	8.8	212	193	20	5.4
25 to 54 years	4,133	3,564	159	389	9.4	111	100	11	9.9
55 years and over	705	628	42	35	5.0	101	92	9	8.9
Females, 16 years and over	5,090	4,079	364	647	12.7	998	863	135	13.5
16 to 21 years	493	278	66	150	30.3	282	202	80	28.3
16 to 19 years	201	105	38	58	28.9	224	147	77	34.2
20 years and over	4,889	3,975	326	589	12.0	774	716	58	7.5
20 to 24 years	807	557	61	189	23.5	119	104	15	12.8
25 years and over	4,083	3,418	265	400	9.8	655	612	43	6.6
25 to 54 years	3,615	3,030	212	373	10.3	465	429	35	7.5
55 years and over	468	388	53	27	5.8	190	183	7	3.7

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

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

[Numbers in thousands]

Family relationship	December 1980									
	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	104,778	63.4	97,545	7,233	6.9	60,494	32,359	9,254	2,625	16,257
Husbands	38,970	80.6	37,421	1,549	4.0	9,407	168	196	1,001	8,042
With employed wife	21,205	91.5	20,643	741	3.5	1,982	57	114	326	1,486
With unemployed wife	1,150	90.5	995	154	13.4	121	2	9	31	79
With wife not in labor force	16,615	69.5	15,962	653	3.9	7,303	109	73	644	6,477
Wives	24,458	50.6	23,187	1,271	5.2	23,918	21,744	325	314	1,535
With employed husband	21,459	57.3	20,463	995	4.6	15,962	14,995	268	99	601
With unemployed husband	896	57.8	741	154	17.2	653	591	15	11	36
With husband not in labor force	2,104	22.4	1,982	121	5.8	7,303	6,158	42	204	899
Relatives in married-couple families	12,776	60.2	11,169	1,607	12.6	8,434	922	6,007	277	1,227
16 to 19 years	5,812	53.3	4,984	828	14.2	5,082	134	4,671	8	269
20 to 24 years	4,756	74.6	4,233	524	11.0	1,617	126	1,221	30	240
25 years and over	2,208	56.0	1,952	255	11.5	1,735	662	115	239	718
Females who maintain families	5,329	59.5	4,798	531	10.0	3,625	2,870	125	140	490
Relatives in families maintained by females	4,396	55.2	3,484	912	20.8	3,570	887	1,599	238	847
16 to 19 years	1,325	46.0	932	393	29.7	1,557	109	1,270	5	173
20 to 24 years	1,331	69.0	1,055	276	20.7	599	119	284	28	168
25 years and over	1,740	55.2	1,497	243	14.0	1,414	659	45	205	506
Males who maintain families	1,789	77.4	1,663	127	7.1	523	22	32	44	425
Relatives in families maintained by males	1,354	57.3	1,167	187	13.8	1,008	425	279	52	252
16 to 19 years	289	55.0	225	64	22.2	236	24	184	-	29
20 to 24 years	398	74.6	335	63	15.8	136	30	79	3	24
25 years and over	667	51.2	607	60	9.0	636	371	16	49	199
Persons living alone	9,720	53.7	9,206	514	5.3	8,395	4,852	200	463	2,880
Males	5,060	71.7	4,737	323	6.4	1,992	129	129	199	1,535
Females	4,660	42.1	4,469	191	4.1	6,403	4,723	71	264	1,345
All others¹	5,986	78.8	5,450	535	8.9	1,614	469	491	96	559

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

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

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	3,067	4,100	5.2	6.9	2,749	3,133	6.2	7.0
Married, spouse present	1,164	1,652	2.9	4.1	1,166	1,333	4.7	5.4
Widowed, divorced, or separated	327	447	6.8	8.8	529	651	6.3	7.5
Single (never married)	1,595	2,001	11.0	13.6	1,054	1,145	9.3	10.0
White, 16 years and over	2,430	3,238	4.6	6.1	2,085	2,351	5.4	6.0
Married, spouse present	988	1,425	2.7	3.9	1,005	1,146	4.5	5.1
Widowed, divorced, or separated	223	331	5.8	8.1	388	465	5.8	6.7
Single (never married)	1,220	1,482	9.7	11.7	693	740	7.2	7.6
Black and other, 16 years and over	656	862	10.3	13.2	664	782	11.1	12.8
Married, spouse present	177	228	4.9	6.5	161	187	6.3	7.3
Widowed, divorced, or separated	104	116	11.3	12.0	142	186	8.7	10.5
Single (never married)	375	518	19.8	25.3	361	409	20.2	22.5
Total, 20 to 64 years of age	2,277	3,198	4.3	6.0	2,075	2,515	5.3	6.3
Married, spouse present	1,099	1,600	2.9	4.2	1,069	1,253	4.5	5.2
Widowed, divorced, or separated	311	437	6.8	9.1	500	615	6.5	7.8
Single (never married)	868	1,159	8.7	11.2	506	642	6.9	8.3
White, 20 to 64 years of age	1,777	2,538	3.8	5.3	1,572	1,874	4.7	5.5
Married, spouse present	934	1,380	2.7	4.0	920	1,075	4.3	5.0
Widowed, divorced, or separated	211	323	5.8	8.3	362	438	5.9	6.9
Single (never married)	633	834	7.4	9.5	285	360	4.8	5.7
Black and other, 20 to 64 years of age	501	660	8.7	11.3	503	641	9.4	11.6
Married, spouse present	165	220	4.8	6.5	148	178	6.0	7.1
Widowed, divorced, or separated	100	115	11.3	12.6	138	181	9.0	11.2
Single (never married)	235	325	16.2	20.7	216	282	16.4	19.9

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A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	5,836	7,233	5.6	6.9	5.2	6.9	6.2	7.0
White-collar workers	1,509	1,875	2.9	3.5	1.9	2.6	3.8	4.3
Professional and technical	297	364	1.9	2.2	1.4	1.6	2.5	2.7
Managers and administrators, except farm	216	264	2.0	2.3	1.6	1.8	3.3	3.7
Sales workers	218	255	3.2	3.7	2.4	3.4	4.1	4.2
Clerical workers	777	993	4.1	5.2	3.1	5.0	4.4	5.2
Blue-collar workers	2,579	3,482	7.5	10.3	6.9	9.7	9.8	12.9
Craft and kindred workers	620	914	4.6	6.9	4.5	6.9	5.1	7.7
Carpenters and other construction craft workers	332	424	7.7	10.4	7.8	10.3	(1)	(1)
All other	288	490	3.1	5.4	2.9	5.2	4.8	6.6
Operatives, except transport	1,070	1,432	8.8	12.2	7.8	10.9	10.4	14.1
Transport equipment operatives	208	337	5.4	8.9	5.7	9.0	2.1	8.5
Nonfarm laborers	681	799	13.5	15.8	13.2	16.1	15.3	13.5
Construction laborers	213	239	20.4	25.0	20.0	24.5	(1)	(1)
All other	468	560	11.7	13.7	11.2	13.9	14.5	11.9
Service workers	900	1,035	6.5	7.4	6.4	7.2	6.5	7.5
Private household	62	46	5.2	4.2	(1)	(1)	5.1	4.3
All other	838	989	6.6	7.6	6.4	7.2	6.8	8.0
Farm workers	138	136	5.5	5.2	3.7	4.8	14.6	6.9
No previous work experience	710	705	--	--	--	--	--	--
16 to 19 years	470	550	--	--	--	--	--	--
20 to 24 years	156	103	--	--	--	--	--	--
25 years and over	86	52	--	--	--	--	--	--

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

A-12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	100.0	100.0	5.6	6.9	5.2	6.9	6.2	7.0
Nonagricultural private wage and salary workers	74.1	77.5	5.6	7.3	5.4	7.3	5.9	7.3
Mining	.5	1.0	3.2	7.1	3.3	7.5	2.0	4.6
Construction	10.2	9.5	11.3	13.9	11.7	14.0	6.9	12.2
Manufacturing	23.1	26.5	5.8	8.4	4.9	7.2	7.9	11.0
Durable goods	12.9	16.0	5.4	8.4	5.0	7.6	6.6	10.6
Lumber and wood products	.7	1.0	6.4	10.6	6.6	11.0	5.2	7.9
Furniture and fixtures	.3	.6	3.6	7.8	3.6	7.5	3.6	8.2
Stone, clay, and glass products	.8	.9	5.8	10.7	5.0	9.3	8.9	16.2
Primary metal industries	1.4	1.5	5.9	8.9	5.9	9.3	5.6	8.4
Fabricated metal products	1.6	2.1	5.9	9.2	5.2	7.7	8.4	14.7
Machinery, except electrical equipment	2.0	2.7	4.1	6.7	3.6	6.0	6.1	9.3
Electrical equipment	1.2	2.2	3.0	6.4	2.3	4.1	3.8	9.4
Transportation equipment	3.5	3.9	9.0	12.4	8.4	11.4	12.1	16.7
Automobiles	2.7	2.8	12.6	17.0	12.0	14.7	15.4	27.2
Other transportation equipment	.8	1.1	4.5	7.1	3.7	7.5	8.2	5.7
Instruments and related products	.3	.3	2.9	3.4	1.6	2.4	4.7	4.6
Other durable goods industries	1.1	.8	7.9	7.7	5.6	5.5	10.8	11.2
Nondurable goods	10.2	10.5	6.4	8.5	4.5	6.3	9.1	11.3
Food and kindred products	2.8	2.8	8.4	10.6	6.0	7.6	13.2	16.8
Textile mill products	.7	1.0	4.4	8.4	3.9	9.3	5.0	7.7
Apparel and other textile products	2.3	2.5	9.6	13.7	4.5	9.9	10.8	14.6
Paper and allied products	.5	.6	3.7	6.3	2.9	5.6	6.0	8.2
Printing and publishing	1.1	1.1	4.2	5.3	3.9	5.0	4.7	5.8
Chemicals and allied products	.9	.8	4.0	4.4	3.0	3.5	6.6	6.8
Rubber and plastics products	1.3	1.1	10.0	11.3	7.7	10.5	13.9	12.4
Other nondurable goods industries	.7	.6	6.1	7.0	4.3	2.1	9.1	12.6
Transportation and public utilities	3.9	3.7	4.1	4.8	4.0	5.3	4.5	3.1
Railroads and railway express	.2	.5	1.9	6.2	1.6	6.1	(1)	(1)
Other transportation	2.9	2.8	6.3	7.5	6.1	8.1	7.1	5.5
Communication and other public utilities	.9	.4	2.2	1.3	1.7	1.3	2.9	1.2
Wholesale and retail trade	19.1	20.1	5.8	7.5	5.2	7.1	6.4	8.1
Finance, insurance, and real estate	2.6	2.6	2.8	3.5	1.9	3.2	3.4	3.6
Service industries	14.7	14.1	5.0	5.7	4.8	6.0	5.1	5.5
Professional services	5.8	5.7	3.4	3.9	3.1	3.2	3.5	4.1
All other service industries	8.9	8.5	7.3	8.4	6.4	8.5	8.1	8.3
Agricultural wage and salary workers	3.0	2.6	12.4	13.4	8.8	13.2	28.0	14.2
All other classes of workers	10.7	10.1	2.5	2.8	2.1	2.7	3.0	3.0
No previous work experience	12.2	9.7	--	--	--	--	--	--

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

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands.....	5,836	7,233	2,331	3,244	2,104	2,544	1,401	1,445	4,516	5,589	1,321	1,644
Job losers.....	2,794	4,143	1,600	2,441	876	1,341	318	361	2,209	3,302	585	841
On layoff.....	969	1,413	581	844	310	485	78	85	822	1,207	148	207
Other job losers.....	1,825	2,730	1,019	1,597	566	856	240	276	1,387	2,095	437	634
Job leavers.....	724	721	266	300	308	295	150	127	603	554	121	128
Reentrants.....	1,607	1,664	381	440	762	816	464	409	1,206	1,231	401	433
New entrants.....	710	704	84	63	157	92	470	549	497	462	213	242
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	47.9	57.2	68.6	75.2	41.7	52.7	22.7	25.0	48.9	59.1	44.3	51.2
On layoff.....	16.6	19.5	24.9	26.0	14.8	19.1	5.6	5.9	18.2	21.6	11.2	12.6
Other job losers.....	31.3	37.7	43.7	49.2	26.9	33.6	17.1	19.1	30.7	37.5	33.1	38.6
Job leavers.....	12.4	10.0	11.4	9.2	14.7	11.6	10.7	8.8	13.4	10.6	9.2	7.8
Reentrants.....	27.5	23.0	16.3	13.6	36.2	32.1	33.1	28.3	26.7	22.0	30.4	26.4
New entrants.....	12.2	9.7	3.6	1.9	7.4	3.6	33.5	38.0	11.0	8.3	16.1	14.7
UNEMPLOYMENT RATE												
Total unemployment rate.....	5.6	6.9	4.3	5.9	5.3	6.2	15.3	16.8	4.9	6.1	10.7	13.0
Job loser rate ¹	2.7	3.9	3.0	4.4	2.2	3.3	3.5	4.2	2.4	3.6	4.7	6.6
Job leaver rate ¹.....	.7	.7	.5	.5	.8	.7	1.6	1.5	.7	.6	1.0	1.0
Reentrant rate ¹	1.5	1.6	.7	.8	1.9	2.0	5.1	4.7	1.3	1.3	3.2	3.4
New entrant rate ¹.....	.7	.7	.2	.1	.4	.2	5.1	6.4	.5	.5	1.7	1.9

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

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

[Percent distribution]

Reason, sex, and age	December 1980						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	7,233	100.0	37.6	31.4	31.0	16.6	14.4
Job losers.....	4,143	100.0	32.7	31.1	36.3	17.9	18.3
On layoff.....	1,413	100.0	44.6	27.1	28.3	13.3	15.0
Other job losers.....	2,730	100.0	26.5	33.1	40.4	20.3	20.1
Job leavers.....	721	100.0	38.9	35.0	26.1	16.4	9.7
Reentrants.....	1,664	100.0	44.2	31.6	24.2	14.1	10.0
New entrants.....	704	100.0	49.2	29.5	21.2	14.6	6.6
Males, 20 years and over.....	3,244	100.0	32.0	30.5	37.5	17.9	19.5
Job losers.....	2,441	100.0	30.6	30.1	39.3	18.3	21.0
On layoff.....	844	100.0	40.6	30.0	29.4	14.5	14.9
Other job losers.....	1,597	100.0	25.3	30.1	44.5	20.4	24.2
Job leavers.....	300	100.0	30.4	37.6	32.0	15.5	12.5
Reentrants.....	440	100.0	41.2	26.0	32.8	15.5	17.2
New entrants.....	63	100.0	(1)	(1)	(1)	(1)	(1)
Females, 20 years and over.....	2,544	100.0	38.1	33.1	28.8	15.7	13.1
Job losers.....	1,341	100.0	32.6	32.2	35.2	18.2	17.0
On layoff.....	485	100.0	45.4	24.1	30.5	13.5	17.0
Other job losers.....	856	100.0	25.3	36.8	37.9	20.9	17.0
Job leavers.....	295	100.0	41.7	34.8	23.6	13.7	5.5
Reentrants.....	816	100.0	44.2	34.6	21.2	12.0	9.2
New entrants.....	92	100.0	53.5	27.9	18.6	17.9	.7
Both sexes, 16 to 19 years.....	1,445	100.0	48.9	30.7	20.4	15.0	5.3
Job losers.....	361	100.0	47.1	33.3	19.6	13.9	5.6
On layoff.....	85	100.0	79.7	15.5	4.8	1.2	3.7
Other job losers.....	276	100.0	37.2	38.7	24.1	17.9	6.2
Job leavers.....	127	100.0	52.5	29.6	18.0	15.2	2.8
Reentrants.....	409	100.0	47.4	31.7	20.9	16.9	3.5
New entrants.....	549	100.0	50.5	28.5	21.0	14.3	6.8

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

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

Sex, age, and race	December 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,233	5,755	28.5	5.6	73.8	30.7	13.0	5.0	1.57
16 to 19 years	1,445	1,350	18.2	2.4	80.7	21.3	12.4	3.0	1.38
20 to 24 years	1,678	1,336	32.9	6.3	75.0	30.5	13.8	3.5	1.62
25 to 34 years	1,941	1,530	30.8	7.2	71.8	37.1	11.1	5.9	1.64
35 to 44 years	973	662	32.2	5.0	73.7	34.6	14.4	3.9	1.64
45 to 54 years	699	521	35.3	6.3	62.4	32.2	13.8	10.7	1.61
55 to 64 years	421	294	26.2	7.5	67.7	28.5	15.6	8.2	1.54
65 years and over	75	62	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	4,100	3,177	30.8	5.5	75.2	27.9	15.1	6.6	1.61
16 to 19 years	857	806	18.9	1.7	80.5	22.3	15.0	2.5	1.41
20 to 24 years	979	754	35.4	6.6	79.7	27.7	17.2	4.0	1.71
25 to 34 years	1,082	806	36.1	7.7	72.0	34.1	11.8	8.2	1.70
35 to 44 years	503	322	37.6	4.0	73.9	30.4	16.1	6.8	1.69
45 to 54 years	405	298	35.2	7.7	65.4	25.8	16.4	16.1	1.67
55 to 64 years	229	153	25.5	6.5	62.7	22.2	20.3	13.7	1.51
65 years and over	46	38	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,133	2,577	25.7	5.6	72.1	34.2	10.3	3.1	1.51
16 to 19 years	589	544	17.3	3.5	80.9	19.7	8.6	4.0	1.34
20 to 24 years	699	581	29.6	5.9	68.8	34.4	9.5	2.9	1.51
25 to 34 years	859	724	25.0	6.6	71.7	40.5	10.4	3.5	1.58
35 to 44 years	469	340	27.1	5.9	73.2	38.5	12.6	1.2	1.59
45 to 54 years	294	223	35.9	4.5	58.3	40.4	10.3	3.6	1.53
55 to 64 years	192	141	27.0	9.2	73.0	36.2	11.3	2.8	1.60
65 years and over	29	24	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,589	4,329	26.7	6.1	74.6	33.1	13.5	5.2	1.59
Males	3,238	2,442	29.7	5.7	76.2	29.9	15.6	6.8	1.64
Females	2,351	1,887	22.7	6.7	72.4	37.1	10.8	3.1	1.53
Black and other, 16 years and over	1,644	1,426	34.1	3.9	71.3	23.6	11.2	4.6	1.49
Males	862	736	34.4	5.2	71.5	21.2	13.3	6.0	1.51
Females	782	690	33.8	2.6	71.0	26.2	8.8	3.2	1.46

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

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

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

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

Sex and reason	December 1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total jobseekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,233	5,755	28.5	5.6	73.8	30.7	13.0	5.0	1.57
Job losers	4,143	2,730	35.2	6.6	73.7	31.8	13.6	6.0	1.67
Job leavers	721	738	27.2	6.4	76.3	37.8	14.9	3.1	1.66
Reentrants	1,664	1,584	22.8	5.1	70.9	31.4	11.1	5.1	1.46
New entrants	704	703	16.6	1.8	77.8	17.5	12.4	3.3	1.29
Males, 16 years and over	4,100	3,177	30.8	5.5	75.2	27.9	15.1	6.6	1.61
Job losers	2,699	1,809	35.7	6.8	75.2	29.5	15.3	7.8	1.70
Job leavers	363	371	26.7	4.6	79.0	33.2	15.6	3.8	1.63
Reentrants	681	639	25.4	4.9	73.4	26.8	14.7	7.8	1.53
New entrants	358	359	20.1	1.1	74.1	16.4	14.5	1.4	1.28
Females, 16 years and over	3,133	2,577	25.7	5.6	72.1	34.2	10.3	3.1	1.51
Job losers	1,444	921	34.3	6.1	70.8	36.4	10.4	2.4	1.60
Job leavers	358	367	27.8	8.2	73.6	42.5	14.2	2.7	1.69
Reentrants	984	546	21.1	5.3	69.1	34.6	8.7	3.2	1.42
New entrants	346	344	13.1	2.3	81.7	18.3	9.9	5.2	1.31

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	5,836	7,233	100.0	100.0	4,482	5,998	100.0	100.0
Less than 5 weeks	2,608	2,716	44.7	37.6	1,811	2,022	40.4	33.7
5 to 14 weeks	2,055	2,274	35.2	31.4	1,648	1,889	36.8	31.5
15 to 26 weeks	1,468	1,636	25.2	22.6	1,188	1,349	26.5	22.5
27 to 51 weeks	587	638	10.1	8.8	460	539	10.3	9.0
52 weeks and over	1,173	2,242	20.1	31.0	1,023	2,087	22.8	34.8
Average (mean) duration, in weeks	11.0	14.0	--	--	12.1	15.3	--	--
Median duration, in weeks	6.1	7.9	--	--	6.9	9.1	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
	December 1980								Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	7,233	2,716	2,274	1,199	1,044	14.0	7.9	44.7	37.6	20.1	31.0
16 to 21 years	2,158	977	702	334	144	10.2	6.1	53.7	45.3	13.8	22.2
16 to 19 years	1,445	708	444	217	77	9.3	5.3	56.3	48.9	12.0	20.4
20 to 24 years	1,678	655	535	279	210	13.2	7.0	43.6	39.0	19.8	29.1
25 to 34 years	1,941	666	593	357	326	15.5	8.7	40.6	34.3	21.3	35.2
35 to 44 years	973	331	290	170	182	15.6	10.0	41.2	34.0	24.9	36.1
45 to 54 years	699	188	230	111	171	19.3	10.9	36.9	26.9	25.1	40.3
55 to 64 years	421	144	157	53	67	14.1	8.0	37.8	34.1	29.8	28.6
65 years and over	75	26	27	12	11	16.1	8.5	42.6	34.7	30.4	29.8
Males, 16 years and over	4,100	1,435	1,254	722	689	15.4	8.6	43.8	35.0	21.8	34.4
16 to 21 years	1,265	536	422	215	92	10.8	6.6	51.9	42.3	15.1	24.3
16 to 19 years	857	396	266	140	55	10.2	5.9	55.5	46.2	13.0	22.8
20 to 24 years	979	338	318	181	142	14.1	8.1	43.7	34.5	19.6	33.0
25 to 34 years	1,082	334	303	218	227	17.9	9.9	37.5	30.9	24.7	41.1
35 to 44 years	503	167	145	83	108	17.3	11.3	38.7	33.2	26.2	38.0
45 to 54 years	405	105	135	63	103	19.7	10.7	37.5	25.9	31.6	40.8
55 to 64 years	229	82	70	30	47	15.6	8.5	35.4	35.7	31.8	33.9
65 years and over	46	14	17	8	7	16.8	8.5	(1)	(1)	(1)	(1)
Females, 16 years and over	3,133	1,281	1,020	476	355	12.3	7.1	45.6	40.9	18.2	26.5
16 to 21 years	893	442	280	119	52	9.5	5.2	55.9	45.4	12.3	19.2
18 to 19 years	589	312	178	77	22	8.0	4.7	57.2	53.0	10.8	16.9
20 to 24 years	659	317	217	99	68	11.9	6.0	43.3	45.3	20.0	23.8
25 to 34 years	855	331	290	138	99	12.5	7.4	43.9	38.6	17.7	27.7
35 to 44 years	469	164	145	87	74	13.8	9.0	43.7	35.0	23.6	34.2
45 to 54 years	294	83	95	48	68	18.8	11.1	36.3	28.3	18.7	39.6
55 to 64 years	192	62	87	23	20	12.2	7.6	35.6	32.3	27.3	22.2
65 years and over	29	12	9	4	3	15.0	8.6	(1)	(1)	(1)	(1)
White, 16 years and over	5,589	2,122	1,781	916	770	13.5	7.6	46.9	38.0	18.4	30.2
Males	3,238	1,163	981	574	519	14.9	8.2	46.9	35.9	19.8	33.8
Females	2,351	959	799	342	251	11.7	6.9	47.0	40.6	16.9	25.2
Black and other, 16 years and over	1,644	595	493	283	273	15.8	8.9	37.1	36.2	25.8	33.8
Males	862	273	272	148	169	17.1	10.2	32.6	31.6	29.4	36.8
Females	782	322	221	135	104	14.2	7.5	41.5	41.2	22.2	30.5
Males, 16 years and over:											
Married, spouse present	1,652	537	503	299	314	16.1	9.2	43.0	32.5	24.8	37.1
Widowed, divorced, or separated	447	144	131	81	91	18.1	10.5	33.8	32.3	29.7	38.5
Single (never married)	2,001	754	620	342	284	14.1	7.8	46.5	37.7	18.0	31.3
Females, 16 years and over:											
Married, spouse present	1,333	523	445	185	180	12.9	7.1	46.3	35.2	16.9	27.4
Widowed, divorced, or separated	651	233	229	115	74	12.6	8.4	38.5	35.7	20.5	25.1
Single (never married)	1,149	526	346	176	101	11.5	6.2	48.5	45.8	18.3	24.1

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		16 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	6 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
	December 1980							Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
OCCUPATION											
White-collar workers	1,875	654	640	296	286	14.1	8.7	41.4	34.9	20.1	31.0
Professional and managerial	628	187	225	118	98	14.9	9.5	42.1	25.8	25.1	34.2
Sales workers	255	93	89	31	41	14.1	8.5	33.4	36.6	17.3	28.5
Clerical workers	593	374	325	147	147	13.6	8.1	43.2	37.7	17.6	25.6
Blue-collar workers	3,482	1,208	1,051	623	600	15.4	8.7	43.6	34.7	21.4	35.1
Craft and kindred workers	914	342	283	158	132	14.4	7.8	41.6	37.4	21.1	31.7
Operatives, except transport	1,432	494	404	265	269	15.8	9.5	45.0	34.5	21.7	37.3
Transport equipment operatives	337	98	118	55	65	16.7	9.7	38.1	29.1	24.7	35.8
Nonfarm laborers	799	275	246	144	133	15.4	8.1	45.1	34.4	20.2	34.8
Service workers	1,035	451	317	165	101	12.3	6.4	45.5	43.6	17.0	25.7
INDUSTRY¹											
Agriculture	190	85	72	16	16	9.9	5.9	56.8	45.0	6.7	17.0
Construction	725	308	233	97	87	12.4	6.2	49.4	42.5	12.9	25.3
Manufacturing	1,521	596	523	394	408	16.9	10.8	41.8	31.0	23.1	41.8
Durable goods	1,155	306	279	264	306	19.2	14.7	41.4	25.5	23.7	49.4
Non-durable goods	766	290	244	130	102	13.4	7.1	42.3	37.8	22.4	30.3
Transportation and public utilities	302	103	87	60	51	16.0	9.1	43.9	34.2	25.5	37.0
Wholesale and retail trade	1,459	543	516	201	200	13.3	7.8	42.1	37.2	16.7	27.5
Finance and service industries	1,493	560	515	237	181	13.6	7.8	43.9	37.5	20.5	28.0
Public administration	232	79	65	58	29	15.6	9.5	25.8	34.1	22.6	37.7
No previous work experience	705	347	209	103	47	10.6	5.2	52.2	45.2	22.0	21.2

¹ Includes wage and salary workers only.

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

(In thousands)

Industry and age	Total		Males		Females	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
All industries	98,047	97,545	56,325	55,644	41,722	41,900
16 to 19 years	7,759	7,170	3,990	3,604	3,765	3,567
18 to 17 years	3,162	2,784	1,625	1,408	1,537	1,375
18 to 19 years	4,597	4,387	2,365	2,195	2,232	2,191
20 to 24 years	13,740	13,562	7,352	7,135	6,387	6,427
25 to 54 years	62,125	62,664	36,215	36,221	25,905	26,442
25 to 34 years	26,321	26,756	15,352	15,445	10,568	11,311
35 to 44 years	19,281	19,627	11,132	11,269	8,149	8,358
45 to 54 years	16,523	16,260	9,731	9,508	6,792	6,773
55 to 84 years	11,456	11,277	6,928	6,893	4,528	4,365
55 to 59 years	7,120	6,953	4,293	4,245	2,827	2,745
60 to 64 years	4,336	4,284	2,635	2,648	1,701	1,636
65 years and over	2,968	2,872	1,840	1,792	1,125	1,060
Nonagricultural industries	95,052	94,501	53,833	53,192	41,220	41,305
16 to 19 years	7,522	6,901	3,789	3,379	3,733	3,521
18 to 17 years	3,044	2,652	1,523	1,302	1,521	1,351
18 to 19 years	4,479	4,248	2,266	2,078	2,212	2,171
20 to 24 years	13,395	13,246	7,049	6,888	6,345	6,358
25 to 54 years	60,496	60,996	34,914	34,933	25,582	26,062
25 to 34 years	25,705	26,165	14,843	14,957	10,861	11,208
35 to 44 years	18,796	19,089	10,755	10,877	8,041	8,211
45 to 54 years	15,995	15,742	9,316	9,099	6,675	6,643
55 to 84 years	10,978	10,777	6,513	6,462	4,465	4,315
55 to 59 years	6,878	6,730	4,088	4,021	2,750	2,710
60 to 64 years	4,100	4,047	2,426	2,442	1,675	1,605
65 years and over	2,662	2,582	1,566	1,528	1,056	1,053
Agriculture	2,995	3,044	2,492	2,453	502	591
16 to 19 years	237	270	201	224	36	46
18 to 17 years	118	131	102	106	16	25
18 to 19 years	119	138	99	118	20	21
20 to 24 years	345	316	303	247	42	65
25 to 54 years	1,629	1,668	1,300	1,288	328	360
25 to 34 years	616	591	509	488	107	103
35 to 44 years	485	538	377	392	108	148
45 to 54 years	528	538	415	408	113	130
55 to 84 years	478	500	415	430	63	70
55 to 59 years	242	263	206	224	37	39
60 to 64 years	236	237	209	206	27	31
65 years and over	306	290	273	264	33	27

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

[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
	TOTAL	98,047	97,545	52,335	52,041	37,954	38,334	3,990	3,604	3,769	3,567
White-collar workers	50,683	51,733	22,762	23,357	25,169	25,777	729	677	2,023	1,922
Professional and technical	15,505	16,012	8,405	8,745	6,902	7,090	103	78	96	99
Health workers	2,853	2,969	952	958	1,883	1,585	5	7	14	21
Teachers, except college	3,373	3,381	970	1,006	2,378	2,351	4	6	21	18
Other professional and technical	9,279	9,662	6,483	6,781	2,641	2,754	94	65	61	60
Managers and administrators, except farm	10,529	10,988	7,774	8,026	2,637	2,865	51	53	67	44
Salaries workers	8,808	9,084	6,467	6,595	2,221	2,399	51	49	67	41
Self-employed workers in retail trade	810	803	533	511	276	290	1	2	--	--
Self-employed workers, except retail trade	511	1,101	773	519	139	177	--	2	--	3
Sales workers	6,653	6,543	3,257	3,283	2,563	2,499	303	252	530	510
Retail trade	3,598	3,407	1,055	1,015	1,786	1,728	253	200	505	464
Other industries	3,054	3,136	2,202	2,268	777	771	50	52	25	46
Clerical workers	17,997	18,189	3,326	3,304	13,067	13,323	274	255	1,330	1,268
Stenographers, typists, and secretaries	4,856	4,967	68	60	4,441	4,593	9	5	338	310
Other clerical workers	13,141	13,222	3,258	3,244	8,626	8,730	265	250	952	958
Blue-collar workers	32,012	30,305	23,749	22,736	5,663	5,459	2,186	1,750	415	361
Craft and kindred workers	12,973	12,305	11,701	11,076	736	773	500	403	36	53
Carpenters	1,245	1,152	1,158	1,078	18	16	67	56	2	1
Construction craft workers, except carpenters	2,717	2,501	2,567	2,389	42	28	104	62	4	3
Mechanics and repairers	3,362	3,265	3,123	3,053	53	67	182	144	5	--
Metal craft workers	1,335	1,234	1,251	1,149	44	47	35	35	2	4
Blue-collar worker supervisors, not elsewhere classified	1,891	1,798	1,661	1,555	210	224	15	9	4	10
All other	2,421	2,355	1,941	1,851	369	392	52	77	15	35
Operatives, except transport	11,035	10,310	5,976	5,701	4,138	3,943	638	450	283	215
Durable goods manufacturing	4,984	4,505	3,016	2,785	1,649	1,521	213	137	107	62
Nondurable goods manufacturing	3,440	3,236	1,331	1,279	1,899	1,783	102	77	109	97
Other industries	2,611	2,568	1,630	1,636	589	639	323	236	68	57
Transport equipment operatives	3,644	3,437	3,141	3,001	316	279	175	145	13	12
Drivers, motor vehicles	3,084	2,945	2,636	2,555	291	246	145	132	12	13
All other	560	492	505	446	25	33	29	13	--	--
Nonfarm laborers	4,360	4,253	2,930	2,958	473	464	873	751	84	80
Construction	831	719	651	602	18	27	161	89	1	1
Manufacturing	974	948	725	712	148	156	87	72	14	9
Other industries	2,555	2,586	1,554	1,644	307	282	625	590	69	70
Service workers	12,980	13,008	3,954	4,061	6,790	6,700	927	997	1,308	1,250
Private household workers	1,141	1,058	20	25	855	790	11	15	255	228
Service workers, except private household	11,838	11,949	3,934	4,036	5,936	5,909	916	982	1,053	1,022
Food service workers	4,314	4,462	812	917	2,243	2,193	539	651	720	701
Protective service workers	1,447	1,415	1,271	1,255	137	125	28	22	10	14
All other	6,077	6,072	1,851	1,864	3,556	3,591	349	309	323	307
Farm workers	2,372	2,499	1,871	1,887	332	396	148	179	22	35
Farmers and farm managers	1,378	1,473	1,240	1,283	126	176	11	14	1	--
Farm laborers and supervisors	995	1,026	631	604	206	222	137	165	21	35
Paid workers	781	798	606	568	70	88	92	121	13	21
Unpaid family workers	213	228	25	36	136	134	45	44	8	14

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

(Percent distribution)

Occupation and race	Total		Males		Females	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
TOTAL						
Total, 16 years and over (thousands)	98,047	97,545	56,325	55,644	41,722	41,900
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.7	53.0	41.7	43.2	65.2	66.1
Professional and technical	15.8	16.4	15.1	15.9	16.8	17.2
Managers and administrators, except farm	10.7	11.3	13.9	14.5	6.5	6.9
Sales workers	6.8	6.7	6.3	6.4	7.4	7.2
Clerical workers	18.4	18.6	6.4	6.5	34.8	34.6
Blue-collar workers	32.6	31.1	46.0	44.0	14.6	13.5
Craft and kindred workers	13.2	12.6	21.7	20.6	1.8	2.0
Operatives, except transport	11.3	10.6	11.7	11.1	10.6	9.9
Transport equipment operatives	3.7	3.5	5.9	5.7	.8	.7
Nonfarm laborers	4.4	4.4	6.8	6.7	1.3	1.3
Service workers	13.2	13.3	8.7	9.1	19.4	19.0
Private household workers	1.2	1.1	.1	.1	2.7	2.4
Other service workers	12.1	12.2	8.6	9.0	16.8	16.5
Farm workers	2.4	2.6	3.6	3.7	.8	1.0
Farmers and farm managers	1.4	1.5	2.2	2.3	.3	.4
Farm laborers and supervisors	1.0	1.1	1.4	1.4	.5	.6
White						
Total, 16 years and over (thousands)	86,993	86,590	50,584	49,996	36,410	36,594
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.4	54.7	43.4	44.9	67.4	68.1
Professional and technical	16.3	16.9	15.7	16.5	17.0	17.4
Managers and administrators, except farm	11.4	12.0	14.7	15.4	6.5	7.3
Sales workers	7.3	7.2	6.8	6.8	8.0	7.7
Clerical workers	18.5	18.7	6.3	6.2	35.4	35.7
Blue-collar workers	32.0	30.5	45.1	43.0	14.0	13.3
Craft and kindred workers	13.7	13.0	22.1	21.0	1.9	2.1
Operatives, except transport	10.7	10.1	11.3	10.7	10.0	9.3
Transport equipment operatives	3.5	3.3	5.5	5.3	.8	.7
Nonfarm laborers	4.1	4.0	6.1	6.1	1.2	1.3
Service workers	12.0	12.1	7.9	8.3	17.8	17.4
Private household workers	.9	.9	(1)	.1	2.1	1.9
Other service workers	11.1	11.3	7.9	8.2	15.7	15.5
Farm workers	2.5	2.7	3.6	3.8	.9	1.1
Farmers and farm managers	1.5	1.7	2.4	2.5	.3	.5
Farm laborers and supervisors	.9	1.0	1.2	1.3	.5	.6
Black and other						
Total, 16 years and over (thousands)	11,054	10,955	5,741	5,648	5,313	5,307
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	38.0	39.8	26.9	28.3	50.0	52.0
Professional and technical	12.4	12.7	10.0	10.3	14.9	15.3
Managers and administrators, except farm	5.4	5.7	7.2	7.1	3.5	4.2
Sales workers	2.9	3.2	2.5	2.5	3.4	3.8
Clerical workers	17.3	18.3	7.3	8.4	28.2	28.8
Blue-collar workers	37.4	35.8	54.7	52.7	18.7	17.8
Craft and kindred workers	9.7	9.5	17.6	17.1	1.2	1.4
Operatives, except transport	15.4	14.3	15.9	14.6	14.9	14.1
Transport equipment operatives	5.0	5.1	9.1	9.1	.6	.6
Nonfarm laborers	7.2	6.9	12.1	12.0	2.0	1.5
Service workers	22.7	22.7	15.3	16.2	30.7	29.7
Private household workers	3.3	2.9	.2	.2	6.7	5.8
Other service workers	19.4	19.8	15.1	16.0	24.0	23.9
Farm workers	1.9	1.7	3.1	2.8	.6	.5
Farmers and farm managers	.4	.3	.6	.6	.1	.1
Farm laborers and supervisors	1.5	1.4	2.5	2.2	.5	.5

¹ Less than 0.05 percent.

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

[In thousands]

Age and sex	December 1980								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	87,158	1,147	15,868	70,143	6,988	355	1,225	1,587	232
16 to 19 years	6,768	267	489	6,012	95	38	189	22	59
16 to 17 years	2,588	199	140	2,249	43	22	88	10	33
18 to 19 years	4,180	68	349	3,763	52	16	101	11	26
20 to 24 years	12,901	71	1,490	11,340	322	22	235	63	18
25 to 34 years	24,416	137	4,688	19,592	1,686	62	310	253	28
35 to 44 years	17,290	128	3,671	13,491	1,706	53	186	311	41
45 to 54 years	14,191	195	3,165	10,832	1,470	81	142	346	51
55 to 64 years	9,563	155	2,006	7,362	1,180	35	114	371	16
55 to 59 years	6,001	113	1,266	4,622	714	15	58	158	7
60 to 64 years	3,562	82	740	2,740	465	20	55	173	9
65 years and over	2,028	155	360	1,513	529	25	48	222	20
Males, 16 years and over	48,273	139	7,745	40,389	4,863	56	986	1,385	81
16 to 19 years	3,309	49	203	3,057	42	28	158	22	45
16 to 17 years	1,266	34	67	1,164	21	15	67	11	29
18 to 19 years	2,043	15	136	1,892	22	13	91	11	16
20 to 24 years	6,658	5	646	6,007	220	10	173	59	14
25 to 34 years	13,784	18	2,203	11,563	1,169	4	261	222	6
35 to 44 years	9,714	9	1,777	7,927	1,163	1	143	246	3
45 to 54 years	8,052	19	1,692	6,341	1,044	3	113	294	1
55 to 64 years	5,613	15	1,010	4,588	847	2	94	335	1
55 to 59 years	3,510	7	633	2,871	511	--	51	173	--
60 to 64 years	2,103	9	377	1,717	337	2	43	162	1
65 years and over	1,144	24	215	906	377	8	44	208	11
Females, 16 years and over	38,886	1,008	8,123	29,754	2,125	299	238	202	151
16 to 19 years	3,460	218	287	2,955	52	9	32	--	14
16 to 17 years	1,322	165	73	1,084	22	6	21	--	4
18 to 19 years	2,137	53	213	1,871	30	3	10	--	10
20 to 24 years	6,244	66	844	5,334	102	12	62	4	4
25 to 34 years	10,632	119	2,484	8,029	518	58	50	31	22
35 to 44 years	7,576	119	1,893	5,564	543	92	43	65	38
45 to 54 years	6,139	175	1,473	4,491	426	78	29	51	50
55 to 64 years	3,950	180	996	2,774	332	32	20	36	15
55 to 59 years	2,491	106	633	1,752	204	15	8	24	7
60 to 64 years	1,459	73	363	1,022	129	18	12	11	8
65 years and over	885	131	146	608	152	17	4	14	8

A-24. Employed persons by industry and occupation

[In thousands]

Industry	December 1980											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,044	79	45	4	76	63	27	25	207	--	19	2,499
Mining	979	143	89	8	137	227	296	41	29	--	8	--
Construction	5,958	194	800	31	449	3,223	293	196	719	--	54	--
Manufacturing	21,334	2,469	1,576	606	2,715	4,128	7,741	721	948	--	425	--
Durable goods	12,905	1,692	943	250	1,609	2,775	4,505	330	559	--	241	--
Nondurable goods	8,429	777	633	357	1,106	1,353	3,236	390	389	--	184	--
Transportation and public utilities	6,451	589	688	87	1,476	1,334	173	1,513	427	--	163	--
Wholesale and retail trade	19,871	381	3,764	4,302	3,485	1,435	914	673	1,255	--	3,657	--
Wholesale trade	3,708	125	768	894	768	320	192	341	255	--	45	--
Retail trade	16,162	256	2,996	3,407	2,717	1,115	723	333	1,004	--	3,612	--
Finance, insurance, and real estate	5,918	367	1,139	1,294	2,685	109	14	6	49	--	255	--
Services	28,864	10,764	2,213	205	5,321	1,550	783	225	484	1,058	6,261	--
Private households	1,228	14	2	--	11	5	7	93	1,058	--	31	--
Other service industries	27,636	10,750	2,211	203	5,310	1,545	778	218	391	--	6,230	--
Public administration	5,126	1,027	675	6	1,844	234	67	38	131	--	1,103	--

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980
Total, 16 years and over	3,287	3,458	3,140	3,282	1,292	1,431	1,477	1,353
Vacation	958	1,099	928	1,067	642	732	216	212
Illness	1,309	1,401	1,274	1,362	488	534	666	685
Bad weather	70	95	56	59	--	--	--	--
Industrial dispute	131	49	131	49	--	--	--	--
All other reasons	819	813	750	745	162	165	594	456
Males, 16 years and over	1,894	1,992	1,766	1,844	828	855	721	665
Vacation	631	695	607	669	455	497	108	95
Illness	709	759	679	725	292	283	303	352
All other reasons ³	553	538	480	450	81	75	310	219
Females, 16 years and over	1,394	1,466	1,374	1,438	465	577	755	688
Vacation	326	404	321	399	187	235	109	117
Illness	600	642	595	637	196	251	363	333
All other reasons ³	467	420	457	403	81	90	284	237

¹Excludes private household workers.

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

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

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

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

Hours of work	December 1980					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total, 16 years and over	94,087	91,219	2,868	100.0	100.0	100.0
1-34 hours	22,708	21,826	882	24.1	23.9	30.8
1-4 hours	745	699	46	.8	.8	1.6
5-14 hours	4,444	4,228	216	4.7	4.6	7.5
15-29 hours	11,324	10,910	414	12.0	12.0	14.4
30-34 hours	6,195	5,989	206	6.6	6.6	7.2
35 hours and over	71,378	69,393	1,985	75.9	76.1	69.2
35-39 hours	6,974	6,814	160	7.4	7.5	5.6
40 hours	40,310	39,795	515	42.8	43.6	18.0
41 hours and over	24,094	22,784	1,310	25.6	25.0	45.7
41 to 48 hours	9,508	9,250	258	10.1	10.1	9.0
49 to 59 hours	8,229	7,835	394	8.7	8.6	13.7
60 hours and over	6,357	5,699	658	6.8	6.2	23.0
Average hours, total at work	38.5	38.4	42.4	--	--	--
Average hours, workers on full-time schedules	43.0	42.8	50.9	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	December 1980					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	22,708	6,426	16,282	21,826	6,120	15,706
Economic reasons	4,166	1,738	2,428	3,893	1,566	2,327
Slack work	2,334	1,486	848	2,085	1,259	766
Material shortages or repairs to plant and equipment	43	43	--	43	43	--
New job started during week	146	146	--	146	146	--
Job terminated during week	64	64	--	62	62	--
Could find only part-time work	1,580	--	1,580	1,542	--	1,542
Other reasons	18,542	4,688	13,854	17,930	4,552	13,378
Does not want, or unavailable for, full-time work	11,766	--	11,766	11,398	--	11,398
Vacation	815	815	--	806	806	--
Illness	2,242	2,069	173	2,202	2,043	159
Bad weather	346	346	--	287	287	--
Industrial dispute	18	18	--	18	18	--
Legal or religious holiday	102	102	--	102	102	--
Full time for this job	1,437	--	1,437	1,386	--	1,386
All other reasons	1,815	1,337	478	1,730	1,255	435
Average hours:						
Economic reasons	21.6	23.4	20.3	21.7	23.6	20.4
Other reasons	20.6	26.4	18.7	20.7	26.5	18.7
Worked 30 to 34 hours:						
Economic reasons	1,359	758	601	1,276	700	576
Other reasons	4,836	2,510	2,326	4,713	2,463	2,256

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

[Numbers in thousands]

Industry	December 1980								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
Total				40 hours or less	41 to 48 hours	49 hours or more				
Total, 16 years and over	91,219	3,893	13,378	73,948	51,164	9,250	13,534	38.4	42.6	
Wage and salary workers	84,331	3,391	12,137	68,803	48,804	8,737	11,262	38.2	42.4	
Construction	4,594	355	227	4,012	3,006	406	600	38.6	41.3	
Manufacturing	20,237	550	733	18,954	13,418	2,953	2,583	40.9	42.2	
Durable goods	12,273	207	321	11,745	8,287	1,881	1,577	41.4	42.3	
Nondurable goods	7,964	344	412	7,208	5,129	1,073	1,006	40.2	42.1	
Transportation and public utilities	5,864	187	424	5,253	3,560	650	1,043	41.0	43.4	
Wholesale and retail trade	17,431	975	4,583	11,873	7,545	1,903	2,425	36.0	43.4	
Finance, insurance, and real estate	5,242	134	507	4,601	3,527	432	642	38.6	41.0	
Service industries	25,105	1,124	5,379	18,602	13,680	1,789	3,133	36.0	42.2	
Private households	1,105	190	605	310	194	31	85	22.6	45.7	
All other industries	24,000	934	4,774	18,292	13,486	1,758	3,048	36.6	42.1	
Public administration	4,951	51	269	4,631	3,560	474	557	40.2	41.7	
Self-employed workers	6,532	494	1,092	4,946	2,242	493	2,211	41.0	48.4	
Unpaid family workers	355	9	149	197	117	20	60	34.5	44.9	

¹ Includes mining, not shown separately.

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

(Numbers in thousands)

Sex, age, race, and marital status	December 1980							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	91,219	3,693	13,378	73,948	51,164	22,784	38.4	42.8
16 to 21 years	11,595	863	4,766	5,966	4,636	1,330	29.4	40.7
16 to 19 years	6,765	499	3,764	2,502	1,979	523	25.5	40.4
16 to 17 years	2,601	110	2,232	259	213	46	17.7	30.7
18 to 19 years	4,164	388	1,531	2,245	1,769	476	30.4	40.6
20 years and over	84,454	3,395	9,614	71,445	45,184	22,261	39.4	42.9
20 to 24 years	12,668	820	1,959	10,089	7,480	2,609	36.9	41.6
25 years and over	71,586	2,574	7,655	61,357	41,707	19,650	39.8	43.1
25 to 44 years	43,876	1,600	4,019	38,257	25,569	12,688	40.4	43.3
45 to 64 years	25,315	882	2,508	21,925	15,325	6,600	40.0	42.9
65 years and over	2,395	93	1,128	1,174	810	364	29.5	42.5
Males, 16 years and over	51,347	1,814	4,066	45,467	28,283	17,184	41.3	44.2
16 to 21 years	5,808	369	2,203	3,236	2,301	935	31.2	41.9
16 to 19 years	3,314	208	1,750	1,356	994	362	27.0	41.5
16 to 17 years	1,275	59	1,070	146	116	30	18.3	39.2
18 to 19 years	2,038	148	681	1,209	876	333	32.4	41.7
20 years and over	48,034	1,605	2,316	44,113	27,291	16,822	42.3	44.3
20 to 24 years	6,713	415	819	5,479	3,680	1,799	38.6	42.6
25 years and over	41,321	1,192	1,497	38,632	23,609	15,023	42.9	44.5
25 to 44 years	25,089	751	499	23,839	14,157	9,642	43.7	44.8
45 to 64 years	14,824	375	397	14,048	8,929	5,119	42.9	44.1
65 years and over	1,408	60	600	748	486	262	31.0	42.4
Females, 16 years and over	39,871	2,081	9,312	28,478	22,878	5,600	34.6	40.6
16 to 21 years	5,787	494	2,563	2,730	2,335	395	27.6	39.3
16 to 19 years	3,451	291	2,014	1,146	986	160	24.1	39.2
16 to 17 years	1,326	51	1,163	112	95	17	17.1	30.0
18 to 19 years	2,126	239	851	1,036	802	144	28.4	39.4
20 years and over	36,420	1,789	7,298	27,333	21,894	5,439	35.6	40.6
20 to 24 years	6,155	406	1,140	4,609	3,799	810	35.1	40.2
25 years and over	30,265	1,385	6,159	22,721	18,094	4,627	35.6	40.7
25 to 44 years	18,787	649	3,520	14,418	11,373	3,045	36.0	40.7
45 to 64 years	10,491	503	2,110	7,878	6,357	1,481	35.8	40.8
65 years and over	987	33	528	426	325	101	27.4	40.8
RACE								
White	80,978	3,233	12,238	65,507	44,249	21,258	38.5	43.0
Males	46,131	1,510	3,697	40,924	24,773	16,151	41.6	44.4
Females	34,848	1,724	8,541	24,583	19,476	5,107	34.4	40.7
Black and other	10,240	660	1,140	8,440	6,913	1,527	37.5	41.2
Males	5,217	304	370	4,543	3,509	1,034	39.3	42.1
Females	5,024	357	771	3,896	3,403	493	35.6	40.0
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	35,313	905	1,141	33,267	20,019	13,248	43.2	44.6
Widowed, divorced, or separated	4,241	188	194	3,859	2,455	1,404	42.0	44.2
Single (never married)	11,793	719	2,731	8,343	5,811	2,532	35.6	42.8
Females, 16 years and over:								
Married, spouse present	22,289	1,080	5,253	15,956	13,033	2,923	34.6	40.4
Widowed, divorced, or separated	7,576	410	1,064	6,102	4,697	1,405	37.3	41.1
Single (never married)	10,007	591	2,995	6,421	5,150	1,271	32.4	40.6

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

(Numbers in thousands)

Occupation and sex	December 1980								
	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 40 hours	40 hours or more		
Total, 16 years and over	91,738	3,953	13,479	74,306	51,353	9,288	13,665	38.4	42.8
White-collar workers	50,107	1,274	7,218	41,615	28,163	4,839	8,613	39.1	43.1
Professional and technical	15,525	282	1,829	13,414	8,512	1,546	2,956	40.0	43.2
Managers and administrators, except farm	10,576	137	520	9,919	5,000	1,344	3,575	45.1	46.7
Sales workers	6,358	312	1,583	4,463	2,755	565	1,143	36.6	43.9
Clerical workers	17,648	543	3,287	13,818	11,494	1,385	939	35.6	40.0
Blue-collar workers	29,048	1,663	2,071	25,314	17,605	3,688	4,021	39.7	42.6
Craft and kindred workers	11,618	559	481	10,778	7,267	1,593	1,918	40.9	42.9
Operatives, except transport	9,863	537	539	8,787	6,518	1,284	985	39.6	41.8
Transport equipment operatives	3,281	190	339	2,752	1,546	401	805	41.4	45.7
Nonfarm laborers	4,087	377	712	2,998	2,275	410	313	35.3	41.2
Service workers	12,583	1,016	4,190	7,377	5,585	761	1,031	32.3	42.1
Private household	1,015	162	560	297	185	34	78	22.9	44.6
Other service workers	11,564	854	3,630	7,080	5,400	727	953	33.1	42.0
Males, 16 years and over	51,711	1,859	4,103	45,749	28,426	6,385	10,538	41.3	44.2
White-collar workers	23,356	355	1,554	21,447	11,985	2,838	6,624	43.3	45.5
Professional and technical	8,611	111	488	8,012	4,839	950	2,223	42.8	44.6
Managers and administrators, except farm	7,785	89	220	7,476	3,456	975	3,041	46.6	47.7
Sales workers	3,460	95	414	2,951	1,584	401	966	41.6	45.5
Clerical workers	3,500	61	432	3,007	2,105	508	354	38.9	42.2
Blue-collar workers	23,450	1,251	1,395	20,804	13,981	3,120	3,703	40.4	43.1
Craft and kindred workers	11,022	517	361	10,144	6,801	1,497	1,846	41.2	43.0
Operatives, except transport	5,879	242	250	5,387	3,734	867	786	40.9	42.8
Transport equipment operatives	2,997	164	209	2,624	1,449	387	788	42.5	45.9
Nonfarm laborers	3,552	328	576	2,648	1,996	369	283	35.5	41.3
Service workers	4,905	253	1,154	3,498	2,460	427	611	36.1	43.3
Private household	37	8	20	9	6	3	--	17.8	39.4
Other service workers	4,868	245	1,134	3,489	2,455	424	610	36.2	43.3
Females, 16 years and over	40,027	2,094	9,376	28,557	22,526	2,903	2,728	34.5	40.6
White-collar workers	26,751	920	5,664	20,167	16,177	2,001	1,989	35.4	40.6
Professional and technical	6,913	171	1,341	5,401	4,672	596	733	36.4	41.2
Managers and administrators, except farm	2,791	49	299	2,443	1,544	365	534	41.0	43.8
Sales workers	2,658	217	1,169	1,512	1,172	163	177	30.6	40.9
Clerical workers	14,148	482	2,854	10,812	9,391	876	545	34.8	39.4
Blue-collar workers	5,598	411	676	4,511	3,625	568	318	36.8	40.5
Craft and kindred workers	756	42	120	634	466	96	72	37.3	41.7
Operatives, except transport	3,984	295	290	3,399	2,763	417	195	37.7	40.3
Transport equipment operatives	283	26	130	127	58	13	16	29.8	41.7
Nonfarm laborers	535	49	136	350	278	41	31	33.5	40.4
Service workers	7,678	763	3,036	3,879	3,124	334	421	29.9	41.0
Private household	561	155	540	286	177	31	78	23.1	44.6
Other service workers	6,696	608	2,496	3,592	2,947	303	342	30.9	40.7

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

(Numbers in thousands)

Employment status	December 1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,433	3,780	3,652	6,162	3,142	3,020	1,270	638	632
Civilian labor force	1,126	602	524	1,059	565	494	67	37	30
Employed	973	512	461	932	489	443	41	23	18
Agriculture	75	60	19	78	59	19	--	1	--
Nonagricultural industries	894	452	443	853	429	424	41	22	19
Unemployed	153	90	63	127	76	51	26	14	12
Unemployment rate	13.6	15.0	12.0	12.0	13.5	10.3	(1)	(1)	(1)
Not in labor force	6,307	3,179	3,128	5,103	2,577	2,526	1,204	601	603
Keeping house	46	12	33	43	14	29	5	--	5
Going to school	6,184	3,132	3,052	4,994	2,533	2,461	1,190	595	591
Unable to work	5	5	--	5	5	--	--	--	--
All other reasons	72	29	43	61	26	36	11	4	7

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

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

Class of worker and occupation	December 1980					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	973	512	461	100.0	100.0	100.0
Nonagricultural industries	894	452	443	92.0	88.5	96.3
Wage and salary workers	805	384	421	82.8	75.1	91.5
Private household workers	307	50	257	31.6	5.8	55.9
Government workers	42	22	20	4.3	4.3	4.3
Other wage and salary workers	456	312	143	46.9	61.1	31.1
Self-employed workers	82	64	18	8.4	12.5	3.9
Unpaid family workers	7	3	4	.7	.6	.9
Agriculture	79	60	19	8.1	11.7	4.1
Wage and salary workers	42	29	13	4.3	5.7	2.8
Self-employed workers	5	3	2	.5	.8	.4
Unpaid family workers	31	28	3	3.2	5.5	.7
OCCUPATION						
Total	973	512	461	100.0	100.0	100.0
White-collar workers	318	212	106	32.6	41.6	22.9
Professional and technical	8	4	4	.8	.8	.9
Managers and administrators, except farm	1	1	--	.1	.2	--
Sales workers	248	185	62	25.5	36.3	13.4
Clerical workers	62	22	40	6.4	4.3	8.7
Blue-collar workers	108	95	13	11.1	18.6	2.8
Craft and kindred workers	7	6	1	.7	1.2	.2
Operatives, except transport	24	19	5	2.5	3.7	1.1
Transport equipment operatives	3	3	--	.3	.6	--
Nonfarm laborers	74	66	8	7.6	12.9	1.7
Service workers	473	148	324	48.6	29.0	70.1
Private household workers	288	28	260	29.6	5.5	56.3
Other service workers	185	120	65	19.0	23.5	14.1
Farm workers	74	57	17	7.6	11.2	3.7
Farmers and farm managers	3	--	2	.3	--	.4
Farm laborers and supervisors	71	56	15	7.3	11.0	3.2

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

[Numbers in thousands]

Employment status, sex, and age	1979		1980										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL													
Total noninstitutional population ¹	164,898	165,101	165,298	165,506	165,693	165,886	166,105	166,391	166,578	166,789	167,005	167,201	167,396
Armed Forces ¹	2,089	2,081	2,086	2,090	2,092	2,088	2,092	2,099	2,114	2,121	2,121	2,119	2,124
Civilian noninstitutional population ¹	162,809	163,020	163,211	163,416	163,601	163,799	164,013	164,293	164,464	164,667	164,884	165,082	165,272
Civilian labor force	104,053	104,208	104,271	104,171	104,427	105,060	104,591	105,020	104,945	104,980	105,167	105,285	105,067
Percent of civilian population	63.9	63.9	63.9	63.7	63.8	64.1	63.8	63.9	63.8	63.8	63.8	63.8	63.6
Employed	97,781	97,708	97,817	97,628	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282
Percent of total population	59.3	59.2	59.2	59.0	58.7	58.5	58.3	58.3	58.2	58.3	58.2	58.2	58.1
Agriculture	3,323	3,287	3,329	3,337	3,262	3,352	3,232	3,267	3,210	3,399	3,319	3,340	3,394
Nonagricultural industries	94,458	94,421	94,488	94,291	93,963	93,764	93,548	93,732	93,793	93,781	93,887	93,999	93,888
Unemployed	6,272	6,500	6,454	6,543	7,202	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785
Unemployment rate	6.2	6.2	6.2	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4
Not in labor force	58,756	58,812	58,940	59,245	59,174	58,739	59,422	59,273	59,519	59,687	59,717	59,797	60,205
Males, 20 years and over													
Total noninstitutional population ¹	70,594	70,695	70,792	70,896	70,988	71,083	71,190	71,326	71,430	71,544	71,661	71,768	71,875
Civilian noninstitutional population ¹	68,940	69,047	69,140	69,238	69,329	69,428	69,532	69,664	69,756	69,864	69,967	70,095	70,198
Civilian labor force	54,799	54,852	55,017	54,966	55,127	55,440	55,182	55,344	55,403	55,475	55,495	55,535	55,470
Percent of civilian population	79.5	79.5	79.6	79.4	79.5	79.9	79.4	79.4	79.4	79.4	79.3	79.2	79.0
Employed	52,364	52,263	52,436	52,230	51,935	51,871	51,624	51,714	51,791	51,823	51,963	52,007	52,045
Percent of total population	74.2	73.9	74.1	73.7	73.2	73.0	72.5	72.5	72.5	72.4	72.5	72.5	72.4
Agriculture	2,404	2,401	2,418	2,386	2,334	2,377	2,301	2,306	2,301	2,389	2,351	2,372	2,331
Nonagricultural industries	49,960	49,862	50,018	49,844	49,601	49,494	49,323	49,408	49,490	49,434	49,612	49,635	49,714
Unemployed	2,435	2,629	2,581	2,736	3,192	3,569	3,558	3,630	3,612	3,652	3,532	3,532	3,425
Unemployment rate	4.4	4.8	4.7	5.0	5.8	6.4	6.4	6.6	6.6	6.6	6.6	6.4	6.2
Not in labor force	14,141	14,155	14,123	14,272	14,202	13,988	14,350	14,320	14,353	14,389	14,452	14,556	14,728
Females, 20 years and over													
Total noninstitutional population ¹	77,666	77,779	77,890	78,005	78,110	78,219	78,340	78,493	78,607	78,732	78,860	78,979	79,097
Civilian noninstitutional population ¹	77,542	77,656	77,766	77,876	77,981	78,090	78,211	78,360	78,473	78,598	78,723	78,842	78,959
Civilian labor force	39,697	39,852	39,871	39,845	40,096	40,193	40,182	40,383	40,523	40,317	40,486	40,629	40,570
Percent of civilian population	51.2	51.3	51.3	51.2	51.4	51.5	51.4	51.5	51.6	51.3	51.4	51.5	51.4
Employed	37,421	37,538	37,560	37,550	37,597	37,600	37,613	37,728	37,890	37,804	37,754	37,905	37,820
Percent of total population	48.2	48.3	48.2	48.1	48.1	48.1	48.0	48.1	48.2	48.0	47.9	48.0	47.8
Agriculture	570	543	588	577	560	598	550	564	555	592	576	574	665
Nonagricultural industries	36,851	36,995	36,992	36,973	37,037	37,002	37,063	37,164	37,335	37,212	37,178	37,335	37,155
Unemployed	2,276	2,314	2,311	2,295	2,501	2,593	2,569	2,655	2,633	2,513	2,702	2,720	2,750
Unemployment rate	5.7	5.8	5.8	5.8	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8
Not in labor force	37,845	37,804	37,895	38,031	37,883	37,897	38,029	37,977	37,950	38,281	38,237	38,213	38,389
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,638	16,627	16,616	16,606	16,595	16,584	16,575	16,572	16,541	16,512	16,484	16,454	16,424
Civilian noninstitutional population ¹	16,326	16,317	16,305	16,302	16,291	16,281	16,271	16,268	16,235	16,205	16,174	16,145	16,114
Civilian labor force	9,557	9,464	9,383	9,360	9,202	9,427	9,227	9,293	9,019	9,188	9,166	9,117	9,027
Percent of civilian population	58.5	58.0	57.5	57.4	56.5	57.9	56.7	57.1	55.5	56.7	56.8	56.5	56.0
Employed	7,996	7,907	7,821	7,848	7,693	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417
Percent of total population	48.1	47.6	47.1	47.3	46.4	46.1	45.5	45.6	44.3	45.7	45.4	45.1	45.2
Agriculture	349	343	343	374	366	377	381	397	354	418	352	354	398
Nonagricultural industries	7,647	7,564	7,478	7,474	7,325	7,268	7,162	7,160	6,968	7,135	7,057	7,029	7,019
Unemployed	1,561	1,557	1,562	1,512	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610
Unemployment rate	16.3	16.5	16.6	16.2	16.4	18.5	18.3	18.7	18.8	17.8	18.8	18.8	17.8
Not in labor force	6,769	6,853	6,922	6,942	7,089	6,854	7,044	6,975	7,216	7,017	6,958	7,028	7,087

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Full- and part-time status	1979		1980										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	88,557	88,625	88,773	88,628	89,096	89,739	89,226	89,384	89,345	89,862	89,896	90,043	90,040
Employed	83,646	83,495	83,659	83,363	83,271	83,153	82,796	82,753	82,792	83,346	83,337	83,411	83,491
Unemployed	4,911	5,130	5,114	5,265	5,825	6,586	6,430	6,631	6,553	6,516	6,559	6,632	6,549
Unemployment rate	5.5	5.8	5.8	5.9	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3
PART TIME													
Total, 16 years and over:													
Civilian labor force	15,499	15,626	15,504	15,425	15,361	15,329	15,473	15,716	15,560	15,105	15,284	15,250	15,023
Employed	14,155	14,268	14,134	14,124	14,009	13,942	14,110	14,340	14,211	13,754	13,693	13,938	13,798
Unemployed	1,344	1,358	1,370	1,301	1,352	1,387	1,363	1,376	1,349	1,311	1,391	1,312	1,225
Unemployment rate	8.7	8.7	8.8	8.4	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work. Data in this table have been revised. See article in this issue for additional information.

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

[Numbers in thousands]

Race, sex, and age	1979		1980										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
WHITE													
Total, 16 years and over:													
Civilian labor force	91,651	91,783	91,873	91,802	92,044	92,501	92,134	92,335	92,288	92,317	92,516	92,562	92,383
Employed	86,809	86,760	86,869	86,723	86,389	86,251	86,007	86,075	86,667	86,307	86,371	86,405	86,377
Unemployed	4,842	5,023	5,004	5,079	5,655	6,250	6,127	6,260	6,221	6,010	6,145	6,153	6,006
Unemployment rate	5.3	5.5	5.4	5.5	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5
Males, 20 years and over:													
Civilian labor force	48,860	48,948	49,066	49,049	49,192	49,483	49,268	49,321	49,356	49,415	49,461	49,481	49,449
Employed	46,961	46,891	47,047	46,856	46,651	46,627	46,442	46,442	46,500	46,556	46,660	46,684	46,728
Unemployed	1,899	2,057	2,019	2,193	2,541	2,856	2,826	2,879	2,856	2,859	2,801	2,797	2,721
Unemployment rate	3.9	4.2	4.1	4.5	5.2	5.8	5.7	5.8	5.8	5.8	5.7	5.7	5.5
Females, 20 years and over:													
Civilian labor force	34,246	34,393	34,445	34,382	34,606	34,641	34,657	34,749	34,846	34,765	34,883	34,972	34,910
Employed	32,516	32,627	32,645	32,673	32,710	32,679	32,681	32,732	32,823	32,841	32,845	32,944	32,858
Unemployed	1,730	1,766	1,800	1,709	1,896	1,962	1,976	2,017	2,023	1,924	2,038	2,028	2,052
Unemployment rate	5.1	5.1	5.2	5.0	5.5	5.7	5.7	5.8	5.8	5.5	5.8	5.8	5.9
Both sexes, 16 to 19 years:													
Civilian labor force	8,545	8,442	8,362	8,371	8,246	8,377	8,209	8,265	8,086	8,137	8,172	8,109	8,024
Employed	7,332	7,242	7,177	7,194	7,028	6,945	6,884	6,961	6,744	6,910	6,866	6,781	6,791
Unemployed	1,213	1,200	1,185	1,177	1,218	1,432	1,325	1,364	1,342	1,227	1,306	1,328	1,233
Unemployment rate	14.2	14.2	14.2	14.1	14.8	17.1	16.1	16.5	16.6	15.1	16.0	16.4	15.4
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	12,421	12,453	12,395	12,320	12,401	12,546	12,491	12,661	12,630	12,677	12,686	12,706	12,668
Employed	10,993	10,974	10,945	10,856	10,838	10,842	10,809	10,962	10,902	10,894	10,884	10,922	10,895
Unemployed	1,428	1,479	1,450	1,464	1,563	1,704	1,682	1,759	1,728	1,783	1,802	1,784	1,773
Unemployment rate	11.5	11.9	11.7	11.9	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0
Males, 20 years and over:													
Civilian labor force	5,935	5,936	5,932	5,898	5,934	5,944	5,965	6,029	6,049	6,064	6,030	6,042	6,015
Employed	5,400	5,363	5,367	5,340	5,291	5,249	5,235	5,275	5,291	5,266	5,300	5,315	5,315
Unemployed	535	573	565	558	643	695	730	754	758	798	730	727	700
Unemployment rate	9.0	9.7	9.5	9.5	10.8	11.7	12.2	12.5	12.5	13.2	12.1	12.0	11.6
Females, 20 years and over:													
Civilian labor force	5,462	5,488	5,433	5,424	5,495	5,570	5,523	5,600	5,625	5,568	5,648	5,652	5,654
Employed	4,915	4,936	4,928	4,854	4,884	4,925	4,920	4,966	5,017	4,978	4,953	4,965	4,956
Unemployed	547	552	505	570	611	645	603	634	612	590	695	687	698
Unemployment rate	10.0	10.1	9.3	10.5	11.1	11.6	10.9	11.3	10.9	10.6	12.3	12.2	12.3
Both sexes, 16 to 19 years:													
Civilian labor force	1,024	1,029	1,030	998	972	1,032	1,003	1,032	952	1,045	1,008	1,012	999
Employed	678	675	650	662	663	668	654	661	594	650	631	642	624
Unemployed	346	354	380	336	309	364	349	371	358	395	377	370	375
Unemployment rate	33.8	34.4	36.9	33.7	31.8	35.3	34.8	35.9	37.6	37.8	37.4	36.6	37.5

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Category	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total (all civilian workers)	6.0	6.2	6.2	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4
Males, 20 years and over	4.4	4.8	4.7	5.0	5.8	6.4	6.4	6.6	6.5	6.6	6.4	6.4	6.2
Females, 20 years and over	5.7	5.8	5.8	5.8	6.2	6.5	6.4	6.6	6.5	6.2	6.7	6.7	6.8
Both sexes, 16-19 years	16.3	16.5	16.6	16.2	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8
White	5.3	5.5	5.4	5.5	6.1	6.8	6.7	6.8	6.7	6.5	6.6	6.6	6.5
Black and other	11.5	11.9	11.7	11.9	12.6	13.6	13.5	13.9	13.7	14.1	14.2	14.0	14.0
Married men, spouse present	3.0	3.4	3.2	3.4	4.0	4.6	4.6	4.9	4.8	4.7	4.6	4.4	4.3
Married women, spouse present	5.1	5.3	5.4	5.4	5.7	6.1	6.0	6.1	6.0	5.7	6.0	5.9	5.8
Women who maintain families	8.5	9.0	8.5	8.6	9.0	8.3	8.5	8.8	9.0	9.0	10.2	9.9	10.4
Full-time workers	5.5	5.8	5.8	5.9	6.5	7.3	7.2	7.4	7.3	7.3	7.3	7.4	7.3
Part-time workers	8.7	8.7	8.8	8.4	8.8	9.0	8.8	8.8	8.7	8.7	9.1	8.6	8.2
Unemployed 15 weeks and over ¹	1.2	1.3	1.2	1.3	1.5	1.6	1.7	1.8	2.0	2.2	2.2	2.2	2.3
Labor force time lost ²	6.5	6.7	6.6	6.8	7.6	8.6	8.1	8.4	8.3	8.2	8.4	8.3	8.2
OCCUPATION													
White-collar workers	3.3	3.4	3.4	3.4	3.7	3.8	3.7	3.7	3.7	3.8	3.9	3.9	4.0
Professional and technical	2.2	2.3	2.3	2.3	2.4	2.6	2.5	2.4	2.4	2.5	2.6	2.5	2.6
Managers and administrators, except farm	2.1	1.9	2.2	2.4	2.6	2.6	2.5	2.6	2.5	2.4	2.5	2.4	2.5
Sales workers	4.0	4.3	4.3	4.0	4.5	4.4	4.4	4.2	4.2	4.3	4.6	4.6	4.7
Clerical workers	4.6	4.8	4.7	4.8	5.1	5.3	5.2	5.4	5.4	5.4	5.6	5.6	5.8
Blue-collar workers	7.5	8.1	7.9	8.2	9.6	10.9	11.1	11.3	11.1	10.8	10.6	10.7	10.5
Craft and kindred workers	4.6	5.1	5.1	5.5	6.5	7.5	7.5	7.2	7.6	7.4	7.1	7.1	7.1
Operatives, except transport	9.3	10.0	9.3	9.4	11.6	13.7	13.4	14.4	13.3	13.0	13.2	13.0	12.9
Transport equipment operatives	5.3	6.9	6.8	6.9	8.4	8.7	10.0	10.0	9.8	10.4	10.6	10.6	8.8
Nonfarm laborers	12.6	12.7	12.5	13.3	14.1	14.9	15.7	15.8	16.1	15.2	15.3	15.0	14.8
Service workers	6.8	6.9	7.0	7.2	7.8	8.2	8.1	8.3	8.5	8.1	8.3	8.3	7.8
Farm workers	4.2	4.5	3.9	4.2	4.8	4.7	4.5	4.6	5.5	4.3	4.4	4.0	4.0
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.0	6.2	6.2	6.3	7.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.7
Construction	11.2	11.4	10.9	13.1	14.5	16.6	15.6	15.8	17.3	15.9	14.6	14.8	13.8
Manufacturing	6.1	6.7	6.7	6.6	7.9	9.7	9.7	9.8	9.3	9.2	9.2	8.9	8.8
Durable goods	5.8	6.7	6.5	6.5	8.3	10.4	10.9	10.7	10.1	10.0	9.5	9.0	8.0
Nondurable goods	6.5	6.8	6.9	6.8	7.3	8.6	8.6	7.9	8.5	8.0	7.9	8.9	8.6
Transportation	4.2	4.4	4.5	3.9	4.7	5.0	5.1	5.6	5.6	5.3	5.3	4.9	4.9
Wholesale and retail trade	6.4	6.6	6.6	6.4	7.0	7.5	7.7	7.6	7.7	7.7	7.8	8.2	8.3
Finance and service industries	4.7	4.7	4.7	4.9	5.1	5.6	5.6	5.6	5.5	5.4	5.6	5.5	5.5
Government workers	3.7	3.8	4.0	4.1	4.3	4.2	3.5	4.1	4.0	4.1	4.4	4.2	4.1
Agricultural wage and salary workers	9.6	10.4	9.5	10.3	11.7	11.4	10.4	10.8	13.2	10.7	11.1	10.1	10.6

¹ Unemployment as a percent of the civilian labor force.

as a percent of potentially available labor force hours.

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

³ Includes mining, not shown separately.

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

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

(Numbers in thousands)

Weeks of unemployment	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
DURATION													
Less than 5 weeks	2,984	3,163	3,049	3,005	3,258	3,714	3,281	3,317	3,255	3,042	3,186	3,108	3,115
5 to 14 weeks	2,000	1,994	2,134	2,207	2,373	2,589	2,812	2,649	2,533	2,586	2,500	2,524	2,217
15 weeks and over	1,247	1,315	1,295	1,391	1,599	1,686	1,777	1,935	2,150	2,295	2,292	2,329	2,378
15 to 26 weeks	717	776	794	796	931	980	1,024	1,093	1,239	1,366	1,256	1,213	1,231
27 weeks and over	530	543	505	595	668	706	753	842	911	929	1,036	1,116	1,147
Average (mean) duration, in weeks	10.6	10.6	10.7	11.0	11.2	10.6	11.7	11.8	12.5	13.0	13.3	13.6	13.5
Median duration, in weeks	5.6	5.3	5.7	5.9	5.9	5.8	6.4	7.1	7.4	8.0	7.5	7.7	7.3
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	47.9	48.8	47.0	45.5	45.1	46.5	41.7	42.0	41.0	38.4	39.9	39.0	40.4
5 to 14 weeks	32.1	30.8	32.9	33.4	32.8	32.4	35.7	33.5	31.9	32.6	31.3	31.7	28.8
15 weeks and over	20.0	20.4	20.0	21.1	22.1	21.1	22.6	24.5	27.1	29.0	28.7	29.3	30.8
15 to 26 weeks	11.5	12.0	12.2	12.1	12.9	12.3	13.0	13.8	15.6	17.2	15.7	15.2	16.0
27 weeks and over	8.5	8.4	7.8	9.0	9.2	8.8	9.6	10.7	11.5	11.7	13.0	14.0	14.9

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	6.0	6.2	6.2	6.3	6.9	7.6	7.5	7.6	7.6	7.4	7.6	7.5	7.4
16 to 19 years	16.3	16.5	16.6	16.2	16.4	18.9	18.3	18.7	18.8	17.8	18.5	18.6	17.8
16 to 17 years	18.4	19.0	18.8	17.7	19.0	21.2	20.0	20.5	22.1	20.1	20.9	21.4	19.9
18 to 19 years	14.7	14.3	15.2	15.1	14.5	17.4	17.6	17.4	16.5	16.0	16.7	16.5	16.4
20 to 24 years	10.0	10.2	9.9	9.9	11.3	12.5	12.1	12.1	12.0	12.0	12.3	12.1	11.7
25 years and over	4.0	4.3	4.2	4.4	5.0	5.3	5.4	5.5	5.4	5.4	5.4	5.4	5.3
25 to 54 years	4.3	4.5	4.6	4.8	5.3	5.6	5.8	5.9	5.9	5.9	5.9	5.9	5.8
55 years and over	2.8	3.4	2.8	2.8	3.3	3.4	3.3	3.4	3.4	3.4	3.4	3.3	3.5
Males, 16 years and over	5.4	5.8	5.6	5.8	6.7	7.5	7.5	7.6	7.6	7.6	7.4	7.4	7.2
16 to 19 years	15.9	16.3	16.0	15.2	16.3	19.4	19.1	19.5	19.9	18.9	19.8	19.8	19.0
16 to 17 years	18.4	19.0	18.2	16.5	18.8	21.5	21.5	20.9	23.7	21.2	21.8	22.3	20.5
18 to 19 years	13.8	14.2	14.5	14.5	14.4	17.6	18.8	18.4	17.1	16.9	18.1	17.6	17.8
20 to 24 years	9.9	10.5	10.3	10.7	12.3	13.5	13.4	13.2	13.6	13.5	13.8	13.2	12.5
25 years and over	3.4	3.8	3.7	4.0	4.7	5.1	5.2	5.4	5.3	5.4	5.1	5.1	4.9
25 to 54 years	3.6	3.9	3.9	4.3	4.9	5.4	5.6	5.8	5.7	6.0	5.6	5.6	5.4
55 years and over	2.7	3.4	2.8	2.8	3.3	3.4	3.6	3.6	3.6	3.5	3.3	3.3	3.3
Females, 16 years and over	6.9	6.9	6.9	6.9	7.2	7.6	7.4	7.7	7.6	7.2	7.7	7.7	7.7
16 to 19 years	16.8	16.6	17.4	17.2	16.5	18.3	17.3	17.7	17.6	16.6	17.0	17.2	16.5
16 to 17 years	18.4	19.1	19.4	19.2	19.3	20.9	18.3	20.1	20.2	18.8	19.8	20.3	19.3
18 to 19 years	15.7	14.5	16.1	15.8	14.8	17.2	16.3	16.2	15.9	15.1	15.1	15.1	14.8
20 to 24 years	10.2	9.8	9.4	9.0	10.1	11.3	10.6	10.9	10.2	10.2	10.6	10.8	10.8
25 years and over	4.8	4.9	5.0	5.1	5.4	5.5	5.5	5.7	5.7	5.8	5.9	5.8	5.9
25 to 54 years	5.2	5.3	5.4	5.5	5.8	6.0	6.0	6.1	6.2	5.9	6.4	6.2	6.3
55 years and over	2.9	3.3	2.9	2.9	3.3	3.3	2.9	3.1	3.1	3.3	3.4	3.4	3.9

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

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

[Numbers in thousands]

Reason for unemployment	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,828	3,038	2,979	3,102	3,581	4,164	4,468	4,364	4,319	4,387	4,240	4,229	4,226
On layoff	993	1,072	1,087	1,135	1,422	1,771	1,954	1,832	1,699	1,744	1,692	1,453	1,470
Other job losers	1,835	1,966	1,892	1,967	2,159	2,393	2,514	2,532	2,620	2,643	2,548	2,776	2,756
Job leavers	812	807	831	804	905	930	887	866	890	855	870	857	813
Reentrants	1,810	1,808	1,797	1,812	1,909	1,975	1,834	1,868	1,883	1,844	1,844	1,856	1,869
New entrants	876	814	825	815	752	871	872	853	870	862	880	890	868
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	44.7	47.0	46.3	47.5	50.1	52.4	55.4	54.6	54.2	55.2	53.0	53.5	54.3
On layoff	15.7	16.6	16.9	17.4	19.9	22.3	24.2	22.9	21.3	21.9	21.1	18.4	18.9
Other job losers	29.0	30.4	29.4	30.1	30.2	30.1	31.2	31.7	32.9	33.3	31.8	35.1	35.4
Job leavers	12.8	12.5	12.9	12.3	12.7	11.7	11.0	10.8	11.2	10.8	10.9	11.3	10.5
Reentrants	28.6	28.0	27.5	27.7	26.7	24.9	22.8	23.4	23.6	23.2	25.2	24.0	24.0
New entrants	13.8	12.6	12.8	12.5	10.5	11.0	10.8	11.2	10.9	10.6	11.0	11.2	11.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.7	2.9	2.9	3.0	3.4	4.0	4.3	4.2	4.1	4.2	4.0	4.0	4.0
Job leavers	.8	.8	.8	.8	.9	.9	.8	.8	.8	.8	.8	.9	.8
Reentrants	1.7	1.7	1.7	1.7	1.8	1.9	1.8	1.8	1.8	1.8	1.9	1.8	1.8
New entrants	.8	.8	.8	.8	.7	.8	.8	.9	.8	.8	.8	.8	.8

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Sex and age	1979		1980										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	97,781	97,708	97,817	97,628	97,225	97,116	96,780	96,999	97,003	97,180	97,206	97,339	97,282
16 to 19 years	7,996	7,907	7,821	7,848	7,693	7,645	7,543	7,557	7,322	7,553	7,489	7,423	7,417
16 to 17 years	3,291	3,222	3,125	3,189	3,066	3,049	3,039	3,056	2,837	3,003	2,963	2,916	2,906
18 to 19 years	4,715	4,702	4,696	4,643	4,629	4,576	4,473	4,510	4,477	4,550	4,526	4,507	4,506
20 to 24 years	13,813	13,796	13,797	13,752	13,620	13,572	13,442	13,547	13,541	13,543	13,554	13,593	13,633
25 years and over	75,985	76,037	76,154	76,015	75,872	75,891	75,852	75,965	76,119	76,096	76,150	76,231	76,242
25 to 54 years	61,633	61,733	61,750	61,676	61,589	61,530	61,520	61,594	61,729	61,845	61,916	62,110	62,142
55 years and over	14,362	14,324	14,446	14,336	14,306	14,333	14,293	14,331	14,415	14,263	14,216	14,159	14,095
Males, 16 years and over	56,617	56,458	56,631	56,489	56,054	55,914	55,597	55,678	55,589	55,754	55,881	55,897	55,920
16 to 19 years	4,253	4,155	4,155	4,259	4,119	4,043	3,973	3,964	3,798	3,931	3,916	3,890	3,875
16 to 17 years	1,773	1,735	1,717	1,788	1,666	1,643	1,616	1,640	1,489	1,579	1,566	1,564	1,555
18 to 19 years	2,480	2,470	2,478	2,464	2,451	2,397	2,326	2,338	2,305	2,396	2,339	2,330	2,317
20 to 24 years	7,478	7,434	7,442	7,415	7,284	7,271	7,140	7,185	7,149	7,175	7,174	7,190	7,245
25 years and over	44,899	44,842	44,983	44,819	44,612	44,586	44,509	44,555	44,671	44,649	44,683	44,791	44,806
25 to 54 years	36,143	36,104	36,105	36,008	35,851	35,820	35,785	35,820	35,894	35,977	36,076	36,128	36,131
55 years and over	8,765	8,747	8,879	8,809	8,765	8,772	8,734	8,732	8,768	8,691	8,677	8,670	8,682
Females, 16 years and over	41,164	41,250	41,186	41,139	41,171	41,202	41,183	41,321	41,414	41,426	41,325	41,442	41,362
16 to 19 years	3,743	3,712	3,626	3,589	3,574	3,602	3,570	3,593	3,524	3,622	3,571	3,533	3,542
16 to 17 years	1,518	1,487	1,408	1,401	1,394	1,406	1,423	1,416	1,348	1,424	1,375	1,352	1,351
18 to 19 years	2,230	2,232	2,218	2,179	2,178	2,175	2,147	2,172	2,172	2,202	2,196	2,185	2,189
20 to 24 years	6,335	6,362	6,355	6,337	6,336	6,301	6,302	6,362	6,392	6,366	6,420	6,403	6,388
25 years and over	31,086	31,155	31,211	31,196	31,266	31,305	31,343	31,410	31,448	31,447	31,347	31,440	31,436
25 to 54 years	25,490	25,629	25,645	25,668	25,738	25,710	25,735	25,774	25,835	25,868	25,840	25,982	26,011
55 years and over	5,597	5,577	5,569	5,527	5,541	5,561	5,559	5,599	5,647	5,572	5,539	5,485	5,413

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

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

[In thousands]

Sex and age	1979		1980										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	6,272	6,500	6,454	6,543	7,202	7,944	7,811	8,021	7,942	7,800	7,961	7,946	7,785
16 to 19 years	1,561	1,557	1,562	1,512	1,509	1,782	1,684	1,736	1,697	1,635	1,697	1,694	1,610
16 to 17 years	741	758	722	685	718	822	760	790	804	755	781	794	723
18 to 19 years	815	787	844	827	788	965	957	949	886	878	916	893	881
20 to 24 years	1,539	1,561	1,520	1,514	1,731	1,936	1,856	1,873	1,854	1,843	1,913	1,873	1,809
25 years and over	3,134	3,387	3,374	3,522	3,961	4,216	4,298	4,435	4,385	4,344	4,366	4,342	4,302
25 to 54 years	2,747	2,893	2,955	3,109	3,456	3,684	3,763	3,895	3,865	3,905	3,885	3,874	3,835
55 years and over	417	458	422	419	487	502	493	509	512	507	484	489	512
Males, 16 years and over	3,241	3,446	3,378	3,500	3,994	4,543	4,496	4,593	4,558	4,566	4,496	4,491	4,334
16 to 19 years	806	819	797	764	802	974	938	963	946	914	966	959	909
16 to 17 years	399	408	383	353	385	450	442	433	463	425	442	450	400
18 to 19 years	399	406	419	417	411	513	538	528	475	487	518	504	501
20 to 24 years	818	868	859	887	1,017	1,134	1,108	1,095	1,129	1,117	1,150	1,095	1,032
25 years and over	1,573	1,768	1,736	1,657	2,178	2,397	2,466	2,551	2,497	2,557	2,358	2,406	2,324
25 to 54 years	1,351	1,459	1,481	1,601	1,857	2,045	2,108	2,215	2,159	2,292	2,121	2,149	2,073
55 years and over	247	307	253	256	300	310	325	329	332	319	300	293	292
Females, 16 years and over	3,031	3,052	3,076	3,043	3,208	3,401	3,315	3,428	3,384	3,234	3,463	3,455	3,451
16 to 19 years	755	738	765	748	707	808	746	773	751	721	731	735	701
16 to 17 years	342	350	339	332	333	372	318	357	341	330	335	344	323
18 to 19 years	416	379	425	410	377	452	419	421	411	391	391	389	380
20 to 24 years	721	693	661	627	714	802	748	778	725	726	763	778	777
25 years and over	1,561	1,619	1,638	1,665	1,783	1,819	1,832	1,884	1,888	1,787	1,970	1,936	1,978
25 to 54 years	1,396	1,434	1,474	1,508	1,599	1,639	1,655	1,680	1,706	1,613	1,764	1,725	1,762
55 years and over	170	191	169	163	187	192	168	180	180	188	194	196	220

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

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Category	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTIC													
Total, 16 years and over	57,781	97,708	97,817	97,628	97,225	97,116	96,780	96,995	97,003	97,180	97,206	97,339	97,282
Married men, spouse present	38,848	38,714	38,827	38,706	38,373	38,197	38,220	38,045	37,987	38,027	38,142	38,167	38,231
Married women, spouse present	23,054	23,104	23,150	23,171	23,094	23,145	23,131	23,118	23,126	23,027	22,993	23,065	23,063
OCCUPATION													
White-collar workers	49,980	50,307	50,447	50,336	50,465	50,627	50,836	51,023	51,307	51,074	51,101	51,148	51,065
Professional and technical	15,303	15,353	15,423	15,408	15,528	15,540	15,682	15,717	15,751	15,540	15,780	15,663	15,610
Managers and administrators, except farm	10,532	10,638	10,953	10,765	10,773	10,877	10,901	10,999	11,109	11,007	10,979	11,016	11,009
Sales workers	6,291	6,383	6,175	6,132	6,048	6,072	6,046	6,130	6,140	6,316	6,277	6,155	6,175
Clerical workers	17,854	17,533	17,892	18,031	18,116	18,138	18,207	18,177	18,307	18,211	18,065	18,114	18,071
Blue-collar workers	32,125	31,770	31,669	31,568	31,120	30,800	30,443	30,276	30,232	30,436	30,521	30,550	30,373
Craft and kindred workers	13,023	12,806	12,722	12,740	12,713	12,551	12,357	12,403	12,346	12,446	12,485	12,424	12,337
Operatives, except transport equipment	10,531	10,691	10,648	10,556	10,450	10,379	10,233	10,189	10,147	10,262	10,210	10,247	10,194
operatives	3,614	3,591	3,557	3,551	3,495	3,458	3,429	3,354	3,478	3,434	3,443	3,425	3,402
Nonfarm laborers	4,557	4,682	4,742	4,721	4,462	4,412	4,424	4,330	4,261	4,310	4,383	4,450	4,440
Service workers	12,965	12,966	13,005	12,982	13,009	12,947	12,941	13,017	12,928	12,943	12,891	12,888	12,982
Farm workers	2,673	2,648	2,745	2,718	2,682	2,730	2,625	2,694	2,620	2,757	2,735	2,729	2,804
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,433	1,421	1,411	1,429	1,377	1,396	1,369	1,360	1,282	1,417	1,363	1,417	1,411
Self-employed workers	1,594	1,563	1,636	1,612	1,602	1,642	1,606	1,631	1,640	1,688	1,640	1,612	1,655
Unpaid family workers	305	294	293	255	287	292	278	295	280	309	325	324	305
Nonagricultural industries:													
Wage and salary workers	87,324	87,377	87,192	87,110	86,789	86,722	86,370	86,432	86,490	86,395	86,587	86,643	86,513
Government	15,440	15,457	15,539	15,605	15,635	15,720	15,817	15,718	15,531	15,575	15,597	15,651	15,653
Private industries	71,884	71,920	71,653	71,505	71,154	71,002	70,553	70,714	70,959	70,820	70,990	70,992	70,860
Private households	1,225	1,159	1,181	1,140	1,151	1,197	1,204	1,230	1,196	1,125	1,144	1,148	1,110
Other industries	70,659	70,761	70,472	70,365	70,003	69,805	69,349	69,484	69,763	69,695	69,846	69,844	69,750
Self-employed workers	6,726	6,751	6,841	6,807	6,804	6,698	6,728	6,801	6,881	6,977	7,005	6,943	6,973
Unpaid family workers	412	390	400	385	363	406	445	426	403	416	417	405	396
PERSONS AT WORK¹													
Nonagricultural industries	89,052	89,109	88,830	88,505	88,041	87,974	87,994	87,431	88,195	88,246	88,488	88,654	88,468
Full-time schedules	72,947	72,963	72,937	72,618	71,986	71,501	71,454	70,825	71,526	71,929	72,071	72,265	72,131
Part-time for economic reasons	3,541	3,545	3,454	3,470	3,803	4,276	3,969	4,086	4,143	4,183	4,220	4,176	4,218
Usually work full-time	1,526	1,562	1,415	1,481	1,680	1,998	1,734	1,794	1,709	1,701	1,665	1,620	1,647
Usually work part-time	2,015	1,987	2,039	1,989	2,123	2,278	2,235	2,292	2,434	2,482	2,535	2,556	2,571
Part time for noneconomic reasons	12,564	12,597	12,439	12,417	12,252	12,197	12,571	12,520	12,526	12,134	12,197	12,253	12,119

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

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

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

(Numbers in thousands)

Veteran status and age	Not seasonally adjusted									
	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
	Number						Percent of labor force			
Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	Dec. 1979	Dec. 1980	
VETERANS										
Total, 20 years and over	8,560	8,662	8,121	8,205	7,787	7,725	334	480	4.1	5.9
20 to 24 years	459	237	416	228	371	191	45	37	10.8	16.2
25 to 39 years	7,196	7,324	6,926	7,011	6,656	6,606	270	405	3.9	5.8
25 to 29 years	1,846	1,607	1,741	1,490	1,626	1,360	115	130	6.6	8.7
30 to 34 years	3,623	3,504	3,519	3,372	3,421	3,195	98	177	2.8	5.2
35 to 39 years	1,727	2,213	1,666	2,149	1,609	2,051	57	98	3.4	4.6
40 years and over	905	1,101	775	966	760	928	19	38	2.4	3.9
NONVETERANS										
Total, 25 to 39 years	14,998	15,864	14,268	15,033	13,675	14,152	593	881	4.2	5.9
25 to 29 years	6,860	7,238	6,489	6,823	6,210	6,327	279	496	4.3	7.3
30 to 34 years	4,340	4,861	4,154	4,635	3,968	4,382	186	253	4.5	5.5
35 to 39 years	3,798	3,765	3,625	3,575	3,497	3,443	128	132	3.5	3.7

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status, sex, age, and race	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Total noninstitutional population ¹	159,531	160,126	160,715	161,355	162,037	162,663	163,260	163,894	164,682	165,302	165,855	166,586	167,201
Armed Forces ¹	2,132	2,122	2,110	2,120	2,115	2,093	2,079	2,088	2,091	2,086	2,091	2,111	2,121
Civilian noninstitutional population ¹ ...	157,399	158,004	158,605	159,235	159,922	160,570	161,181	161,806	162,591	163,216	163,804	164,475	165,079
Civilian labor force.....	98,581	99,156	100,177	100,753	101,526	102,328	102,378	103,204	103,741	104,217	104,693	104,982	105,173
Percent of civilian population.....	62.6	62.8	63.2	63.3	63.5	63.7	63.5	63.8	63.8	63.9	63.9	63.8	63.7
Employed.....	92,061	92,916	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276
Percent of total population.....	57.7	58.0	58.6	58.7	59.0	59.2	59.2	59.4	59.2	59.1	59.0	58.3	58.2
Agriculture.....	3,282	3,327	3,341	3,369	3,316	3,297	3,245	3,319	3,327	3,318	3,282	3,292	3,351
Nonagricultural industries.....	88,778	89,589	90,871	91,405	92,265	93,062	93,329	93,963	94,245	94,400	93,758	93,769	93,925
Unemployed.....	6,520	6,240	5,965	5,979	5,945	5,969	5,804	5,922	6,169	6,495	7,652	7,921	7,897
Unemployment rate.....	6.6	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5
Males, 20 years and over													
Total noninstitutional population ¹	67,951	68,238	68,520	68,831	69,184	69,491	69,786	70,100	70,487	70,794	71,087	71,433	71,768
Civilian noninstitutional population ¹ ...	66,261	66,556	66,844	67,134	67,489	67,827	68,123	68,419	68,814	69,142	69,430	69,762	70,093
Civilian labor force.....	52,936	53,089	53,376	53,467	53,877	54,274	54,306	54,640	54,744	54,958	55,250	55,407	55,501
Percent of civilian population.....	79.9	79.8	79.9	79.6	79.8	80.0	79.7	79.9	79.6	79.5	79.6	79.4	79.2
Employed.....	50,410	50,670	51,168	51,327	51,682	52,082	52,191	52,426	52,360	52,310	51,810	51,776	52,005
Percent of total population.....	74.2	74.3	74.7	74.6	74.7	74.9	74.8	74.8	74.3	73.9	72.9	72.5	72.5
Agriculture.....	2,316	2,342	2,367	2,387	2,339	2,325	2,311	2,368	2,392	2,402	2,337	2,332	2,351
Nonagricultural industries.....	48,094	48,328	48,802	48,940	49,344	49,756	49,880	50,058	49,967	49,908	49,473	49,444	49,654
Unemployed.....	2,526	2,419	2,208	2,140	2,194	2,192	2,115	2,215	2,384	2,649	3,440	3,631	3,496
Unemployment rate.....	4.8	4.6	4.1	4.0	4.1	4.0	3.9	4.1	4.4	4.8	6.2	6.6	6.3
Females, 20 years and over													
Total noninstitutional population ¹	74,770	75,094	75,413	75,756	76,112	76,455	76,782	77,129	77,547	77,891	78,223	78,611	78,979
Civilian noninstitutional population ¹ ...	74,671	74,954	75,310	75,649	76,003	76,345	76,670	77,009	77,425	77,766	78,054	78,477	78,841
Civilian labor force.....	36,285	36,706	37,254	37,634	38,051	38,415	38,557	39,158	39,503	39,856	40,158	40,408	40,562
Percent of civilian population.....	48.6	48.9	49.5	49.7	50.1	50.3	50.3	50.8	51.0	51.3	51.4	51.5	51.4
Employed.....	33,844	34,480	35,018	35,346	35,866	36,181	36,390	36,957	37,260	37,549	37,603	37,807	37,828
Percent of total population.....	45.3	45.9	46.4	46.7	47.1	47.3	47.4	47.9	48.0	48.2	48.1	48.1	47.9
Unemployed.....	2,441	2,226	2,236	2,288	2,185	2,234	2,167	2,202	2,243	2,307	2,554	2,600	2,734
Unemployment rate.....	6.7	6.1	6.0	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,810	16,794	16,782	16,768	16,742	16,717	16,692	16,666	16,648	16,616	16,585	16,542	16,454
Civilian noninstitutional population ¹ ...	16,468	16,454	16,452	16,452	16,429	16,398	16,389	16,377	16,352	16,308	16,281	16,236	16,144
Civilian labor force.....	9,366	9,361	9,547	9,651	9,598	9,639	9,515	9,405	9,494	9,402	9,285	9,167	9,110
Percent of civilian population.....	56.8	56.9	58.0	58.5	58.4	58.8	58.1	57.4	58.1	57.7	57.0	56.5	56.4
Employed.....	7,806	7,766	8,026	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443
Percent of total population.....	46.4	46.2	47.8	48.3	48.0	48.4	47.9	47.4	47.8	47.3	46.0	45.2	45.2
Unemployed.....	1,554	1,595	1,521	1,551	1,566	1,543	1,522	1,506	1,542	1,544	1,658	1,665	1,667
Unemployment rate.....	16.6	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3
White													
Total noninstitutional population ¹	140,107	140,568	141,028	141,526	142,034	142,521	142,977	143,462	144,102	144,574	145,022	145,535	145,995
Civilian noninstitutional population ¹ ...	138,364	138,839	139,323	139,822	140,336	140,857	141,330	141,821	142,468	142,957	143,408	143,907	144,357
Civilian labor force.....	87,062	87,336	88,257	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,481
Percent of civilian population.....	62.9	62.9	63.3	63.5	63.7	64.0	63.8	64.1	64.1	64.2	64.3	64.1	64.1
Employed.....	82,074	82,567	83,716	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386
Percent of total population.....	58.6	58.7	59.4	59.5	59.8	60.0	60.0	60.1	60.1	60.0	59.5	59.2	59.2
Unemployed.....	4,987	4,769	4,540	4,574	4,542	4,566	4,413	4,585	4,755	5,035	6,011	6,164	6,101
Unemployment rate.....	5.7	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6
Black and other													
Total noninstitutional population ¹	19,424	19,557	19,687	19,829	20,003	20,142	20,282	20,432	20,581	20,728	20,872	21,011	21,206
Civilian noninstitutional population ¹ ...	19,035	19,164	19,282	19,413	19,585	19,713	19,851	19,985	20,123	20,259	20,397	20,568	20,723
Civilian labor force.....	11,541	11,788	11,932	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687
Percent of civilian population.....	60.6	61.5	61.9	61.9	61.8	61.9	61.7	61.8	61.7	61.2	61.2	61.5	61.2
Employed.....	10,010	10,319	10,506	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,899	10,900
Percent of total population.....	51.5	52.8	53.4	53.5	53.5	53.6	53.6	53.9	53.5	52.7	51.9	51.8	51.4
Unemployed.....	1,531	1,468	1,426	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,650	1,757	1,786
Unemployment rate.....	13.3	12.5	12.0	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1

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

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Full- and part-time status, sex, and age	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
FULL TIME													
Total, 16 years and over:													
Civilian labor force	83,800	84,401	85,274	85,976	86,395	87,207	87,463	87,866	88,432	88,675	89,354	89,530	89,993
Employed ¹	78,660	79,489	80,642	81,321	81,837	82,565	82,965	83,261	83,595	83,506	83,733	83,964	84,413
Unemployed	5,140	4,912	4,632	4,655	4,558	4,622	4,498	4,605	4,837	5,170	5,620	5,567	5,580
Unemployment rate	6.1	5.8	5.4	5.4	5.3	5.3	5.1	5.2	5.5	5.8	6.3	6.2	6.2
Males, 20 years and over:													
Civilian labor force	50,179	50,331	50,682	50,752	51,163	51,610	51,709	51,844	51,959	52,035	52,436	52,635	52,757
Employed ¹	47,861	48,121	48,655	48,768	49,156	49,585	49,762	49,814	49,749	49,564	49,202	49,178	49,433
Unemployed	2,318	2,210	2,027	1,984	2,007	2,025	1,946	2,030	2,210	2,471	3,234	3,458	3,325
Unemployment rate	4.6	4.4	4.0	3.9	3.9	3.9	3.8	3.9	4.3	4.7	6.2	6.6	6.3
Females, 20 years and over:													
Civilian labor force	28,503	29,021	29,339	29,822	30,101	30,386	30,597	30,931	31,297	31,560	31,955	32,064	32,357
Employed ¹	26,550	27,197	27,555	28,003	28,414	28,634	28,868	29,203	29,541	29,744	29,976	29,955	30,070
Unemployed	1,953	1,824	1,784	1,820	1,687	1,753	1,728	1,728	1,756	1,816	1,979	2,109	2,287
Unemployment rate	6.9	6.3	6.1	6.1	5.6	5.8	5.6	5.6	5.6	5.8	6.3	6.6	7.1
Both sexes, 16-19 years:													
Civilian labor force	5,118	5,049	5,254	5,402	5,131	5,212	5,158	5,091	5,176	5,081	4,962	4,812	4,878
Employed ¹	4,249	4,171	4,432	4,530	4,267	4,367	4,335	4,244	4,305	4,198	3,995	3,831	3,910
Unemployed	869	878	821	872	864	845	823	847	871	883	967	980	969
Unemployment rate	17.0	17.4	15.6	16.1	16.8	16.2	16.0	16.6	16.8	17.4	19.5	20.4	19.9
PART TIME													
Total, 16 years and over:													
Civilian labor force	14,761	14,710	14,929	14,757	15,100	15,093	14,964	15,333	15,297	15,518	15,388	15,460	15,186
Employed ¹	13,394	13,380	13,581	13,430	13,738	13,736	13,648	14,013	13,989	14,175	14,020	14,115	13,876
Unemployed	1,367	1,330	1,348	1,327	1,362	1,357	1,316	1,320	1,308	1,343	1,367	1,345	1,309
Unemployment rate	9.3	9.0	9.0	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6
Males, 20 years and over:													
Civilian labor force	2,760	2,720	2,746	2,690	2,716	2,649	2,646	2,770	2,785	2,894	2,845	2,750	2,752
Employed ¹	2,552	2,524	2,561	2,505	2,535	2,481	2,476	2,580	2,617	2,709	2,651	2,576	2,582
Unemployed	208	196	185	185	181	168	170	190	168	185	194	174	170
Unemployment rate	7.5	7.2	6.7	6.9	6.7	6.3	6.4	6.8	6.0	6.4	6.8	6.3	6.2
Females, 20 years and over:													
Civilian labor force	7,759	7,698	7,928	7,801	7,931	8,039	7,979	8,220	8,191	8,317	8,215	8,293	8,197
Employed ¹	7,284	7,284	7,463	7,341	7,449	7,549	7,530	7,754	7,714	7,818	7,734	7,838	7,748
Unemployed	475	414	465	460	482	490	449	466	477	499	481	455	449
Unemployment rate	6.1	5.4	5.9	5.9	6.1	6.1	5.6	5.7	5.8	6.0	5.9	5.5	5.5
Both sexes, 16-19 years:													
Civilian labor force	4,242	4,292	4,255	4,267	4,452	4,405	4,339	4,343	4,321	4,307	4,328	4,417	4,236
Employed ¹	3,558	3,573	3,557	3,564	3,754	3,706	3,642	3,679	3,657	3,648	3,636	3,701	3,546
Unemployed	684	720	698	682	699	699	697	664	664	659	692	716	690
Unemployment rate	16.1	16.8	16.4	16.0	15.7	15.9	16.1	15.3	15.4	15.3	16.0	16.2	16.3

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Employment status, race, sex, and age	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
WHITE													
Total, 16 years and over:													
Civilian labor force	87,062	87,336	88,257	88,743	89,437	90,119	90,129	90,839	91,346	91,819	92,226	92,313	92,487
Employed	82,074	82,567	83,716	84,169	84,895	85,552	85,715	86,254	86,591	86,784	86,216	86,150	86,386
Unemployed	4,987	4,769	4,540	4,574	4,542	4,566	4,413	4,585	4,755	5,035	5,510	6,164	6,101
Unemployment rate	5.7	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6
Males, 20 years and over:													
Civilian labor force	47,383	47,394	47,675	47,757	48,066	48,422	48,446	48,686	48,801	49,021	49,314	49,364	49,464
Employed	45,410	45,502	45,964	46,062	46,362	46,727	46,818	46,941	46,940	46,931	46,573	46,459	46,691
Unemployed	1,973	1,892	1,711	1,695	1,703	1,695	1,627	1,745	1,861	2,090	2,741	2,905	2,773
Unemployment rate	4.2	4.0	3.6	3.5	3.5	3.5	3.4	3.6	3.8	4.3	5.6	5.8	5.6
Females, 20 years and over:													
Civilian labor force	31,333	31,606	32,096	32,390	32,834	33,118	33,235	33,759	34,066	34,407	34,635	34,787	34,922
Employed	29,485	29,933	30,401	30,666	31,189	31,440	31,602	32,101	32,363	32,648	32,690	32,799	32,882
Unemployed	1,848	1,673	1,695	1,724	1,645	1,678	1,633	1,658	1,703	1,759	1,945	1,988	2,040
Unemployment rate	5.9	5.3	5.3	5.3	5.0	5.1	4.9	4.9	5.0	5.1	5.6	5.7	5.8
Both sexes, 16 to 19 years:													
Civilian labor force	8,345	8,336	8,486	8,596	8,537	8,579	8,448	8,394	8,480	8,392	8,277	8,163	8,102
Employed	7,179	7,132	7,351	7,421	7,344	7,386	7,295	7,212	7,289	7,204	6,952	6,852	6,813
Unemployed	1,166	1,204	1,135	1,175	1,193	1,193	1,153	1,182	1,191	1,187	1,325	1,311	1,289
Unemployment rate	14.0	14.4	13.4	13.7	14.0	13.9	13.6	14.1	14.0	14.1	16.0	16.1	15.9
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	11,541	11,788	11,932	12,012	12,107	12,193	12,258	12,346	12,412	12,389	12,479	12,656	12,687
Employed	10,010	10,315	10,506	10,603	10,711	10,788	10,863	11,009	11,008	10,925	10,830	10,895	10,900
Unemployed	1,531	1,468	1,426	1,409	1,396	1,405	1,395	1,336	1,404	1,464	1,649	1,761	1,786
Unemployment rate	13.3	12.5	12.0	11.7	11.5	11.5	11.4	10.8	11.3	11.8	13.2	13.9	14.1
Males, 20 years and over:													
Civilian labor force	5,553	5,666	5,724	5,717	5,806	5,839	5,878	5,956	5,934	5,922	5,948	6,047	6,029
Employed	5,002	5,146	5,232	5,243	5,319	5,338	5,397	5,481	5,415	5,357	5,258	5,277	5,310
Unemployed	551	520	492	474	487	501	482	475	519	565	689	770	719
Unemployment rate	9.9	9.2	8.6	8.3	8.4	8.6	8.2	8.0	6.0	5.5	11.6	12.7	11.9
Females, 20 years and over:													
Civilian labor force	4,970	5,096	5,164	5,226	5,237	5,289	5,329	5,382	5,455	5,448	5,529	5,599	5,651
Employed	4,380	4,542	4,614	4,667	4,700	4,736	4,786	4,840	4,918	4,906	4,910	4,987	4,958
Unemployed	590	555	550	559	537	553	543	542	538	542	619	612	693
Unemployment rate	11.9	10.9	10.6	10.7	10.3	10.4	10.2	10.1	9.9	10.0	11.2	10.9	12.3
Both sexes, 16 to 19 years:													
Civilian labor force	1,018	1,026	1,043	1,069	1,064	1,065	1,051	1,008	1,022	1,019	1,002	1,010	1,006
Employed	628	632	659	653	693	714	680	688	675	662	662	635	632
Unemployed	390	394	384	376	371	351	371	320	347	357	341	375	374
Unemployment rate	38.3	38.4	36.8	35.2	34.9	33.0	35.3	31.8	33.9	35.0	34.0	37.1	37.2

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTIC													
Total (all civilian workers)	6.6	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5
Males, 20 years and over	4.8	4.6	4.1	4.0	4.1	4.0	3.9	4.1	4.4	4.6	6.2	6.6	6.3
Females, 20 years and over	6.7	6.1	6.0	6.1	5.7	5.8	5.6	5.6	5.7	5.8	6.4	6.4	6.7
Both sexes, 16-19 years	16.6	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3
White	5.7	5.5	5.1	5.2	5.1	5.1	4.9	5.0	5.2	5.5	6.5	6.7	6.6
Black and other	13.3	12.5	12.0	11.7	11.5	11.5	11.4	10.8	11.3	11.6	13.2	13.9	14.1
Married men, spouse present	3.4	3.0	2.8	2.6	2.6	2.7	2.6	2.8	3.0	3.4	4.4	4.8	4.4
Married women, spouse present	6.2	5.5	5.5	5.6	5.4	5.3	5.1	5.0	5.0	5.4	5.9	5.9	5.9
Women who maintain families	8.9	8.2	9.2	8.7	7.8	8.1	8.5	8.0	8.4	8.7	8.6	8.9	10.2
Full-time workers	6.1	5.8	5.4	5.4	5.3	5.3	5.1	5.2	5.5	5.8	7.0	7.3	7.3
Part-time workers	9.3	9.0	9.0	9.0	9.0	9.0	8.8	8.6	8.6	8.7	8.9	8.7	8.6
Unemployed 15 weeks and over ¹	1.8	1.6	1.4	1.3	1.2	1.2	1.2	1.1	1.2	1.3	1.6	2.0	2.2
Labor force time lost ²	7.2	6.8	6.5	6.5	6.3	6.3	6.3	6.3	6.4	6.7	8.1	8.3	8.3
OCCUPATION													
White-collar workers	4.1	3.6	3.6	3.6	3.3	3.4	3.3	3.4	3.3	3.4	3.7	3.8	3.9
Professional and technical	2.8	2.7	2.5	2.6	2.7	2.4	2.3	2.5	2.4	2.3	2.5	2.4	2.6
Managers and administrators, except farm	2.7	2.2	2.0	2.1	2.0	2.0	2.1	2.2	2.1	2.2	2.5	2.5	2.5
Sales workers	5.0	4.2	4.3	4.3	3.8	4.0	4.0	3.9	3.9	4.2	4.4	4.3	4.7
Clerical workers	5.6	4.9	5.1	5.0	4.5	4.8	4.5	4.6	4.6	4.8	5.2	5.4	5.6
Blue-collar workers	7.5	7.4	6.6	6.6	6.7	6.7	6.6	6.5	7.5	8.1	10.5	11.1	10.7
Craft and kindred workers	5.2	5.1	4.4	4.3	4.6	4.6	4.1	4.3	4.8	5.2	7.2	7.4	7.1
Operatives, except transport	9.0	8.5	8.1	8.1	7.7	7.9	8.1	8.6	9.2	9.6	12.9	13.6	13.0
Transport equipment operatives	5.9	5.4	5.2	5.2	5.1	5.2	5.4	5.6	5.6	6.5	9.0	10.1	10.0
Nonfarm laborers	11.1	11.7	9.7	10.1	11.0	10.1	10.6	10.8	11.8	12.6	14.9	15.7	15.0
Service workers	7.8	7.6	7.4	7.3	7.4	7.5	7.1	6.9	6.8	7.0	8.0	8.3	8.1
Farm workers	4.1	4.3	3.4	3.7	3.7	3.2	3.4	4.0	4.3	4.2	4.7	4.8	4.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	6.6	6.2	5.8	5.8	5.7	5.7	5.6	5.8	5.9	6.2	7.7	7.9	7.8
Construction	11.3	11.2	9.8	10.0	11.5	10.7	9.8	9.4	10.6	11.8	15.6	16.3	14.4
Manufacturing	6.2	5.8	5.5	5.3	5.1	5.1	5.3	5.8	6.0	6.7	9.1	9.4	9.0
Durable goods	5.8	5.3	4.8	4.8	4.6	4.4	4.6	5.2	5.7	6.6	8.9	10.3	9.2
Nondurable goods	6.8	6.5	6.5	6.0	5.9	6.2	6.4	6.7	6.5	6.6	7.9	8.1	8.7
Transportation and public utilities	4.6	3.9	3.9	3.6	3.4	3.6	3.2	3.7	4.1	4.3	4.9	5.5	5.0
Wholesale and retail trade	7.5	7.3	6.7	6.7	6.7	6.5	6.4	6.4	6.4	6.5	7.4	7.7	8.1
Finance and service industries	5.7	5.3	5.0	5.2	4.9	5.0	4.8	4.9	4.7	4.6	5.4	5.5	5.5
Government workers	4.2	3.8	4.0	3.9	3.9	3.9	3.6	3.5	3.8	3.5	4.0	4.1	4.2
Agricultural wage and salary workers	9.7	9.7	8.2	8.6	8.4	8.1	8.6	9.6	9.8	10.1	11.2	11.5	10.6

¹ Unemployment as a percent of the civilian labor force.

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

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

as a percent of potentially available labor force hours.

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Weeks of unemployment	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
DURATION													
Both sexes, 16 years and over:													
Less than 5 weeks	2,778	2,758	2,740	2,861	2,820	2,778	2,805	2,927	2,977	3,072	3,418	3,205	3,136
5 to 14 weeks	2,007	1,923	1,845	1,844	1,863	1,916	1,830	1,871	1,547	2,112	2,591	2,569	2,414
15 weeks and over	1,746	1,549	1,384	1,260	1,247	1,261	1,184	1,130	1,216	1,336	1,687	2,127	2,333
15 to 28 weeks	870	828	730	667	717	714	671	640	693	789	978	1,233	1,233
27 weeks and over	876	721	654	613	530	547	513	490	524	546	709	854	1,100
Average (mean duration, in weeks)	13.7	12.7	12.1	11.6	11.2	11.4	10.8	10.5	10.6	10.8	11.2	12.4	13.5
Median duration, in weeks	6.9	6.5	5.9	5.8	5.7	5.8	5.6	5.4	5.5	5.6	6.0	7.5	7.5
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	42.5	44.3	45.9	47.8	47.6	46.7	48.2	49.4	48.5	47.1	44.4	40.5	35.8
5 to 14 weeks	30.7	30.9	30.9	30.8	31.4	32.2	31.4	31.6	31.7	32.4	33.7	32.7	30.6
15 weeks and over	26.7	24.9	23.2	21.4	21.0	21.2	20.4	19.1	19.8	20.5	21.9	26.8	29.6
15 to 26 weeks	13.3	13.3	12.2	11.1	12.1	12.0	11.5	10.8	11.3	12.1	12.7	15.6	15.6
27 weeks and over	13.4	11.6	11.0	10.2	8.9	9.2	8.8	8.3	8.5	8.4	9.2	11.3	13.9

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

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

Sex and age	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	6.6	6.3	6.0	5.9	5.9	5.8	5.7	5.7	5.9	6.2	7.3	7.5	7.5
16 to 19 years	16.6	17.0	15.9	16.1	16.3	16.0	16.0	16.0	16.2	16.4	17.9	18.4	18.3
16 to 17 years	18.6	19.6	18.7	19.3	19.4	18.6	18.4	17.3	18.0	18.5	20.1	20.9	20.7
18 to 19 years	15.1	15.1	14.1	13.6	13.9	14.1	14.4	15.0	14.8	14.5	16.5	16.6	16.5
20 to 24 years	10.3	10.4	9.4	9.3	8.9	8.9	8.7	9.1	9.4	10.0	12.0	12.1	12.1
25 years and over	4.6	4.1	4.0	4.0	3.9	4.0	3.8	3.9	4.0	4.3	5.2	5.5	5.4
25 to 54 years	4.8	4.3	4.2	4.2	4.2	4.2	4.0	4.1	4.3	4.6	5.6	5.9	5.9
55 years and over	4.1	3.3	3.1	3.1	3.0	3.0	3.0	3.0	2.9	3.0	3.3	3.4	3.4
Males, 16 years and over	5.7	5.6	5.1	5.0	5.1	5.1	4.9	5.0	5.3	5.7	7.2	7.6	7.4
16 to 19 years	15.9	16.4	15.1	15.3	16.2	16.3	15.4	15.8	15.7	15.8	18.3	19.4	19.5
16 to 17 years	17.6	19.6	18.4	18.7	19.9	19.3	17.8	16.8	17.6	17.9	20.6	21.9	21.5
18 to 19 years	14.5	14.1	12.8	12.4	13.2	14.1	13.9	14.9	14.0	14.4	16.5	17.5	17.9
20 to 24 years	9.7	10.2	8.7	8.6	8.6	8.4	8.1	8.6	9.1	10.5	13.1	13.4	13.2
25 years and over	3.9	3.5	3.3	3.2	3.2	3.3	3.1	3.3	3.5	3.8	5.0	5.4	5.0
25 to 54 years	3.9	3.6	3.3	3.3	3.4	3.4	3.2	3.3	3.7	4.0	5.3	5.8	5.5
55 years and over	3.9	3.3	3.2	2.9	2.8	2.9	2.9	3.0	2.8	3.0	3.4	3.6	3.3
Females, 16 years and over	7.9	7.3	7.2	7.3	6.9	6.9	6.8	6.7	6.8	6.9	7.4	7.5	7.7
16 to 19 years	17.4	17.8	16.9	17.0	16.5	15.7	16.6	16.3	16.8	17.1	17.4	17.3	16.9
16 to 17 years	19.8	20.0	19.1	20.0	18.8	17.8	19.1	18.0	18.4	19.2	19.5	19.7	19.8
18 to 19 years	15.8	16.2	15.4	14.8	14.7	14.1	15.0	15.1	15.7	15.5	16.1	15.7	15.0
20 to 24 years	10.9	10.5	10.4	10.1	9.3	9.4	9.4	9.7	9.7	9.4	10.7	10.4	10.8
25 years and over	5.8	5.1	5.1	5.2	4.9	5.0	4.8	4.7	4.8	5.0	5.5	5.6	5.9
25 to 54 years	6.1	5.4	5.5	5.5	5.3	5.4	5.2	5.1	5.2	5.4	6.0	6.1	6.3
55 years and over	4.3	3.4	3.1	3.4	3.3	3.3	3.1	3.2	3.1	3.0	3.2	3.2	3.6

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

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

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

(Numbers in thousands)

Reason for unemployment	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	2,866	2,640	2,500	2,412	2,449	2,497	2,396	2,553	2,786	3,040	4,071	4,357	4,232
On layoff	774	726	643	676	718	796	763	828	974	1,098	1,716	1,758	1,538
Other job losers	2,092	1,914	1,857	1,736	1,731	1,701	1,633	1,725	1,812	1,942	2,355	2,598	2,693
Job leavers	890	878	831	848	853	882	857	846	829	814	807	670	860
Reentrants	1,887	1,839	1,762	1,846	1,806	1,759	1,746	1,770	1,755	1,806	1,906	1,865	1,926
New entrants	875	898	865	861	846	833	804	750	800	816	832	875	879
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	44.0	42.2	42.0	40.4	41.1	41.8	41.3	43.1	45.1	46.9	52.8	54.7	53.6
On layoff	11.9	11.6	10.8	11.3	12.1	13.3	13.1	14.0	15.8	17.0	22.2	22.1	19.5
Other job losers	32.1	30.6	31.2	29.1	29.1	28.5	28.1	29.1	29.4	30.0	30.5	32.6	34.1
Job leavers	13.7	14.0	13.9	14.2	14.3	14.8	14.8	14.3	13.4	12.6	11.8	10.5	10.9
Reentrants	29.0	29.4	29.6	30.9	30.3	29.5	30.1	29.9	26.4	27.9	24.7	23.4	24.4
New entrants	13.4	14.4	14.5	14.4	14.2	13.9	13.9	12.7	13.0	12.6	10.8	11.0	11.1
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.9	2.7	2.5	2.4	2.4	2.4	2.3	2.5	2.7	2.9	3.9	4.1	4.0
Job leavers .....	.9	.9	.8	.8	.8	.9	.8	.8	.8	.8	.9	.8	.8
Reentrants	1.9	1.9	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.8	1.8	1.8
New entrants .....	.9	.9	.9	.9	.8	.8	.8	.7	.8	.8	.8	.8	.8

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

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

(In thousands)

Sex and age	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	92,061	92,916	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276
16 to 19 years	7,806	7,766	8,026	8,100	8,032	8,096	7,993	7,900	7,952	7,859	7,627	7,477	7,443
16 to 17 years	3,200	3,158	3,299	3,334	3,282	3,332	3,255	3,219	3,278	3,179	3,049	2,965	2,928
18 to 19 years	4,612	4,601	4,708	4,783	4,761	4,760	4,716	4,685	4,693	4,680	4,559	4,528	4,522
20 to 24 years	13,080	13,170	13,474	13,602	13,736	13,884	13,899	13,927	13,856	13,782	13,545	13,544	13,607
25 years and over	71,170	71,982	72,710	73,063	73,809	74,390	74,683	75,456	75,755	76,082	75,872	76,060	76,208
25 to 54 years	57,249	58,000	58,538	58,920	59,576	60,003	60,378	61,113	61,388	61,720	61,546	61,723	62,056
55 years and over	13,934	13,974	14,166	14,153	14,244	14,382	14,292	14,347	14,375	14,369	14,311	14,336	14,157
Males, 16 years and over	54,679	54,886	55,462	55,657	55,953	56,356	56,445	56,640	56,572	56,526	55,855	55,674	55,899
16 to 19 years	4,269	4,216	4,293	4,329	4,270	4,274	4,253	4,214	4,212	4,216	4,045	3,898	3,894
16 to 17 years	1,795	1,747	1,781	1,795	1,742	1,776	1,763	1,746	1,759	1,747	1,642	1,569	1,569
18 to 19 years	2,473	2,464	2,501	2,552	2,535	2,492	2,475	2,472	2,462	2,471	2,391	2,346	2,329
20 to 24 years	7,151	7,146	7,336	7,379	7,448	7,516	7,541	7,561	7,518	7,430	7,232	7,170	7,203
25 years and over	43,258	43,519	43,822	43,954	44,235	44,567	44,638	44,873	44,844	44,881	44,569	44,625	44,800
25 to 54 years	34,608	34,878	35,088	35,217	35,414	35,717	35,874	36,046	36,051	36,072	35,819	35,897	36,112
55 years and over	8,655	8,639	8,738	8,739	8,817	8,853	8,768	8,829	8,783	8,812	8,757	8,730	8,676
Females, 16 years and over	37,382	38,030	38,751	39,117	39,628	40,003	40,130	40,642	41,000	41,192	41,185	41,387	41,376
16 to 19 years	3,538	3,550	3,732	3,771	3,762	3,822	3,740	3,685	3,740	3,642	3,582	3,580	3,549
16 to 17 years	1,405	1,411	1,518	1,539	1,540	1,556	1,492	1,473	1,518	1,432	1,408	1,396	1,359
18 to 19 years	2,139	2,138	2,207	2,230	2,225	2,269	2,241	2,213	2,231	2,210	2,166	2,182	2,193
20 to 24 years	5,930	6,024	6,138	6,223	6,288	6,368	6,358	6,366	6,338	6,351	6,313	6,374	6,404
25 years and over	27,912	28,463	28,889	29,109	29,574	29,823	30,045	30,583	30,911	31,201	31,303	31,435	31,408
25 to 54 years	22,641	23,122	23,451	23,703	24,162	24,286	24,504	25,067	25,337	25,647	25,728	25,826	25,944
55 years and over	5,279	5,335	5,428	5,415	5,428	5,528	5,524	5,519	5,592	5,558	5,584	5,606	5,480

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

[In thousands]

Category	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTIC													
Total, 16 years and over	92,061	92,916	94,212	94,774	95,581	96,359	96,574	97,282	97,572	97,718	97,040	97,061	97,276
Married men, spouse present	38,546	38,489	38,643	38,716	38,909	39,152	39,042	39,253	38,921	38,749	38,263	38,021	38,180
Married women, spouse present	21,303	21,575	21,755	21,920	22,271	22,483	22,524	22,901	22,991	23,142	23,123	23,090	23,040
OCCUPATION													
White-collar workers	46,237	46,546	46,970	47,332	47,975	48,729	49,149	49,594	49,896	50,363	50,643	51,135	51,105
Professional and technical	14,037	14,023	14,203	14,255	14,514	14,904	15,053	15,090	15,164	15,395	15,583	15,669	15,818
Managers and administrators, except farm	9,944	10,068	10,104	10,109	10,122	10,366	10,459	10,631	10,613	10,785	10,850	11,036	11,001
Sales workers	5,749	5,866	5,934	5,960	6,035	6,053	6,142	6,163	6,285	6,231	6,055	6,195	6,202
Clerical workers	16,507	16,569	16,729	17,008	17,304	17,406	17,496	17,710	17,835	17,952	18,154	18,232	18,083
Blue-collar workers	30,541	30,881	31,611	31,690	31,913	32,090	31,942	32,188	32,032	31,669	30,788	30,315	30,481
Craft and kindred workers	12,078	12,127	12,308	12,498	12,600	12,819	12,827	12,924	12,943	12,756	12,540	12,413	12,415
Operatives, except transport	10,364	10,646	10,966	10,909	10,970	10,944	10,821	10,972	10,886	10,632	10,354	10,179	10,217
Transport equipment operatives	3,498	3,517	3,533	3,514	3,600	3,595	3,626	3,625	3,599	3,566	3,461	3,422	3,425
Nonfarm laborers	4,601	4,590	4,805	4,768	4,744	4,732	4,667	4,667	4,604	4,715	4,433	4,300	4,424
Service workers	12,555	12,692	12,845	12,862	12,960	12,801	12,827	12,759	12,952	12,985	12,966	12,963	12,920
Farm workers	2,769	2,800	2,790	2,822	2,770	2,750	2,662	2,706	2,698	2,704	2,679	2,690	2,756
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,380	1,384	1,425	1,433	1,423	1,401	1,409	1,409	1,431	1,420	1,381	1,353	1,397
Self-employed workers	1,575	1,591	1,617	1,616	1,598	1,572	1,539	1,597	1,610	1,604	1,617	1,653	1,636
Unpaid family workers	335	343	300	321	302	317	294	309	301	294	286	295	318
Nonagricultural industries:													
Wage and salary workers	82,188	82,840	84,092	84,623	85,435	86,094	86,288	86,686	87,096	87,226	86,627	86,435	86,581
Government	15,362	15,282	15,253	15,266	15,343	15,296	15,385	15,362	15,428	15,534	15,724	15,608	15,634
Private industries	66,826	67,559	68,839	69,357	70,091	70,799	70,903	71,324	71,668	71,693	70,903	70,831	70,947
Private households	1,383	1,384	1,401	1,357	1,306	1,296	1,202	1,238	1,225	1,160	1,184	1,164	1,134
Other industries	65,443	66,175	67,437	68,000	68,785	69,503	69,700	70,086	70,443	70,533	69,719	69,647	69,813
Self-employed workers	6,132	6,255	6,325	6,248	6,396	6,522	6,591	6,733	6,762	6,800	6,743	6,886	6,974
Unpaid family workers	473	482	481	461	463	467	465	466	419	392	405	415	406
PERSONS AT WORK¹													
Nonagricultural industries:													
Full-time schedules	63,286	63,887	65,950	66,106	66,750	67,476	67,577	68,826	68,707	68,815	68,003	67,957	68,550
Part time for economic reasons	3,262	3,186	3,271	3,242	3,155	3,230	3,266	3,228	3,412	3,491	4,016	4,137	4,205
Usually work full time	1,252	1,202	1,255	1,291	1,243	1,267	1,268	1,326	1,447	1,466	1,604	1,735	1,651
Usually work part time	2,010	1,985	2,016	1,951	1,912	1,964	1,998	1,902	1,965	2,005	2,212	2,403	2,554
Part time for noneconomic reasons	11,736	11,646	12,103	11,823	12,098	12,098	12,018	12,415	12,327	12,484	12,340	12,393	12,190

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

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

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

(In thousands)

Reason, sex, and race	1977	1978				1979				1980			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Total not in labor force	58,818	58,848	58,428	58,482	58,396	58,242	58,803	58,602	58,850	58,999	59,111	59,493	59,906
Do not want job now	53,121	53,628	53,085	52,826	53,071	53,282	53,552	52,835	53,574	53,573	53,851	54,231	54,521
Current activity:													
Going to school	6,214	6,265	6,201	5,919	5,991	5,949	5,939	5,846	6,037	6,038	6,185	6,594	6,224
Ill, disabled	4,399	4,475	4,572	4,459	4,633	4,519	4,533	4,535	4,534	4,627	4,446	4,124	4,293
Keeping house	30,064	29,829	29,612	29,393	29,224	29,466	29,166	28,686	28,659	28,376	28,688	28,646	28,842
Retired	9,052	9,401	9,200	9,379	9,499	9,553	9,994	9,954	10,254	10,576	10,536	10,917	10,538
Other	3,392	3,653	3,500	3,676	3,724	3,795	3,921	3,809	4,090	3,954	3,994	3,950	4,224
Want a job now	5,585	5,438	5,289	5,339	5,283	5,252	5,193	5,437	5,333	5,548	5,431	5,605	5,586
Reason not looking:													
School attendance	1,506	1,423	1,316	1,425	1,339	1,360	1,388	1,503	1,478	1,453	1,461	1,517	1,466
Ill health, disability	761	691	749	698	742	739	695	760	785	771	728	759	710
Home responsibilities	1,222	1,223	1,245	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179
Think cannot get job	990	906	842	850	787	713	814	729	766	949	921	961	1,055
Job-market factors	638	643	542	603	494	492	518	525	465	603	626	669	697
Personal factors	352	263	301	247	294	221	296	264	301	345	294	292	358
Other reasons ¹	1,107	1,195	1,137	1,147	1,192	1,219	1,059	1,191	1,058	1,040	1,127	1,133	1,176
Males													
Total not in labor force	16,418	16,589	16,583	16,735	16,687	16,602	16,947	16,937	17,220	17,296	17,344	17,607	17,795
Do not want job now	14,665	14,880	14,865	15,050	14,954	14,996	15,361	15,174	15,482	15,570	15,663	15,942	16,081
Want a job now	1,700	1,739	1,660	1,679	1,672	1,671	1,555	1,760	1,731	1,710	1,753	1,625	1,827
Reason not looking:													
School attendance	741	720	647	711	690	681	686	776	733	699	745	765	720
Ill health, disability	325	311	337	322	333	356	276	346	355	324	338	338	307
Think cannot get job	324	331	312	284	296	276	272	281	291	347	315	367	370
Other reasons ¹	310	378	364	362	352	358	321	377	353	340	351	355	430
Females													
Total not in labor force	42,400	42,259	41,845	41,747	41,709	41,640	41,856	41,665	41,630	41,702	41,769	41,886	42,111
Do not want job now	38,456	38,748	38,220	37,776	38,117	38,286	38,191	37,661	38,092	38,003	38,188	38,288	38,441
Want a job now	3,885	3,699	3,629	3,660	3,611	3,581	3,638	3,657	3,602	3,838	3,678	3,780	3,759
Reason not looking:													
School attendance	765	703	668	714	649	679	702	727	746	754	716	751	746
Ill health, disability	436	381	412	375	409	384	419	414	430	447	390	421	403
Home responsibilities	1,222	1,223	1,245	1,219	1,222	1,221	1,237	1,253	1,245	1,335	1,195	1,235	1,179
Think cannot get job	666	575	531	566	491	437	542	448	475	602	601	594	685
Other reasons ¹	797	817	773	785	840	861	738	815	705	700	776	778	746
White													
Total not in labor force	51,302	51,503	51,066	51,079	50,895	50,738	51,201	50,982	51,122	51,138	51,182	51,594	51,870
Do not want job now	46,950	47,417	47,174	46,893	46,855	46,852	47,292	46,826	46,973	46,874	47,198	47,545	47,744
Want a job now	4,304	4,154	3,983	4,201	3,928	3,982	3,934	4,192	4,042	4,255	4,094	4,135	4,124
Reason not looking:													
School attendance	1,105	1,048	962	1,156	982	1,001	971	1,153	1,113	1,051	1,087	1,084	1,059
Ill health, disability	559	497	534	519	523	536	505	529	527	559	533	514	513
Home responsibilities	985	954	967	955	914	942	952	972	985	1,104	940	957	907
Think cannot get job	722	655	577	580	544	516	578	534	551	673	611	681	686
Other reasons ¹	934	1,000	543	991	966	988	929	1,004	866	871	923	903	960
Black and other													
Total not in labor force	7,494	7,376	7,350	7,401	7,478	7,520	7,593	7,639	7,711	7,870	7,918	7,912	8,036
Do not want job now	6,246	6,067	6,051	6,164	6,156	6,236	6,338	6,345	6,460	6,544	6,581	6,449	6,642
Want a job now	1,246	1,330	1,277	1,201	1,316	1,281	1,217	1,309	1,236	1,322	1,315	1,526	1,402
Reason not looking:													
School attendance	401	379	340	313	359	362	402	385	369	400	357	461	406
Ill health, disability	192	209	222	170	206	215	195	223	236	228	205	228	187
Home responsibilities	233	289	261	269	306	290	266	255	258	243	239	285	269
Think cannot get job	257	275	252	279	234	211	216	204	197	296	292	293	354
Other reasons ¹	164	178	202	170	211	203	138	202	176	155	221	258	186

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

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

HOUSEHOLD DATA QUARTERLY AVERAGES

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

(In thousands)

Reason and sex	Total		Age								
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	
TOTAL											
Total not in labor force	58,744	59,919	7,233	7,417	4,584	4,639	21,376	21,453	25,551	26,411	
Do not want a job now	53,717	54,676	5,921	6,160	3,788	3,816	18,992	18,903	25,019	25,798	
Current activity:											
Going to school	7,676	7,908	5,199	5,359	1,740	1,868	715	669	25	14	
Ill, disabled	4,445	4,217	34	27	138	115	2,053	2,016	2,220	2,059	
Keeping house	28,440	28,643	390	480	1,607	1,467	14,197	14,037	12,247	12,658	
Retired	10,050	10,698	—	—	—	2	205	248	9,843	10,448	
Other	3,106	3,210	298	294	303	364	1,822	1,933	684	619	
Want a job now	5,026	5,243	1,311	1,255	796	823	2,385	2,549	535	614	
Reason not looking:											
School attendance	1,414	1,399	1,024	949	235	252	150	185	4	11	
Ill health, disability	768	695	28	13	67	44	500	468	173	170	
Home responsibilities	1,167	1,098	61	61	242	206	827	788	38	42	
Think cannot get job	700	973	99	103	86	152	377	518	137	200	
Job-market factors	438	658	56	59	62	119	268	392	54	89	
Personal factors	262	316	45	45	25	33	107	128	83	111	
Other reasons ¹	977	1,078	99	129	166	169	531	590	183	191	
Males											
Total not in labor force	17,502	18,184	3,423	3,482	1,413	1,519	3,152	3,303	9,513	9,881	
Do not want a job now	15,911	16,523	2,803	2,888	1,169	1,250	2,686	2,801	9,253	9,583	
Current activity:											
Going to school	3,878	4,010	2,650	2,700	915	1,007	311	299	2	2	
Ill, disabled	2,415	2,388	25	21	64	64	1,175	1,145	1,151	1,159	
Keeping house	272	298	10	—	12	10	65	81	186	206	
Retired	7,597	7,938	—	—	—	—	180	198	7,414	7,739	
Other	1,749	1,889	118	167	178	169	955	1,078	500	477	
Want a job now	1,590	1,661	619	593	244	270	468	502	260	298	
Reason not looking:											
School attendance	699	688	527	477	120	140	52	67	—	4	
Ill health, disability	333	286	17	8	36	20	199	169	81	89	
Think cannot get job	243	304	57	45	45	50	81	107	61	102	
Other reasons ¹	315	383	18	63	43	60	136	159	118	103	
Females											
Total not in labor force	41,242	41,735	3,809	3,935	3,171	3,120	18,223	18,150	16,038	16,530	
Do not want a job now	37,806	38,153	3,118	3,272	2,619	2,565	16,306	16,102	15,764	16,215	
Current activity:											
Going to school	3,799	3,898	2,548	2,658	824	858	403	370	23	11	
Ill, disabled	2,030	1,829	9	6	74	52	879	870	1,068	901	
Keeping house	28,168	28,345	380	480	1,595	1,458	14,133	13,956	12,060	12,452	
Retired	2,453	2,761	—	—	—	2	25	51	2,429	2,708	
Other	1,356	1,320	181	128	126	195	866	855	184	143	
Want a job now	3,435	3,582	690	663	552	554	1,918	2,049	274	316	
Reason not looking:											
School attendance	714	711	497	472	115	114	98	119	4	7	
Ill health, disability	435	409	11	5	31	24	301	300	93	80	
Home responsibilities	1,167	1,098	61	61	242	206	827	788	38	42	
Think cannot get job	457	669	42	58	41	101	297	410	76	99	
Other reasons	662	695	79	67	123	109	395	432	63	88	

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(In thousands)

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
WHITE												
Total not in labor force	51,036	51,876	9,337	9,479	18,590	18,564	23,108	23,832	14,885	15,431	36,151	36,445
Do not want a job now	47,204	47,983	7,807	7,995	16,719	16,665	22,682	23,325	13,648	14,213	33,556	33,770
Current activity:												
Going to school	6,166	6,413	5,573	5,829	570	572	25	13	3,105	3,291	3,061	3,122
Ill, disabled	3,585	3,442	111	105	1,598	1,622	1,876	1,714	2,028	1,969	1,557	1,473
Keeping house	25,807	25,860	1,691	1,628	12,845	12,681	11,273	11,555	200	233	25,607	25,627
Retired	9,097	9,708	--	--	203	232	8,892	9,475	6,895	7,214	2,202	2,494
Other	2,549	2,560	432	433	1,503	1,558	616	568	1,420	1,506	1,129	1,054
Want a job now	3,831	3,892	1,530	1,481	1,872	1,906	428	505	1,236	1,218	2,595	2,674
Reason not looking:												
School attendance	1,044	999	930	865	108	120	4	11	532	504	512	495
Ill health, disability	535	512	76	51	339	338	121	125	256	196	279	316
Home responsibilities	927	846	204	179	686	627	37	40	--	--	927	846
Think cannot get job	518	644	130	145	283	333	106	167	178	194	340	450
Other reasons ¹	807	891	190	241	456	488	160	162	270	324	537	567
BLACK AND OTHER												
Total not in labor force	7,708	8,044	2,479	2,575	2,785	2,889	2,443	2,579	2,617	2,753	5,091	5,290
Do not want a job now	6,511	6,692	1,904	1,977	2,266	2,242	2,340	2,472	2,261	2,310	4,250	4,382
Current activity:												
Going to school	1,510	1,495	1,366	1,395	142	98	--	--	772	719	738	776
Ill, disabled	858	775	61	37	453	392	345	344	386	419	472	356
Keeping house	2,633	2,782	307	321	1,352	1,358	975	1,103	72	65	2,561	2,717
Retired	953	991	--	--	2	19	951	973	702	724	251	267
Other	557	649	170	224	317	375	69	52	329	383	228	266
Want a job now	1,196	1,352	575	595	516	644	103	110	355	442	841	910
Reason not looking:												
School attendance	370	400	329	336	43	64	--	--	168	184	202	216
Ill health, disability	233	182	20	6	162	131	51	45	77	89	156	93
Home responsibilities	240	253	98	89	142	162	--	2	--	--	240	253
Think cannot get job	183	329	55	109	94	186	31	33	65	110	118	219
Other reasons ¹	170	188	73	55	75	101	21	30	45	59	125	129

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

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

(In thousands)

Reason and sex	4th Quarter 1980						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	135	13	--	29	94	118	17
Lacks education or training	99	19	15	63	2	81	18
Other personal handicap	82	13	18	36	15	66	16
Job-market factors:							
Could not find job	378	33	70	235	41	200	178
Thinks no job available	280	26	49	157	48	179	101
Males							
Personal factors:							
Employers think too young or old	67	12	--	6	49	54	13
Lacks education or training	19	8	5	3	2	15	4
Other personal handicap	27	6	5	9	8	23	4
Job-market factors:							
Could not find job	114	12	19	61	23	52	63
Thinks no job available	77	7	21	29	20	51	27
Females							
Personal factors:							
Employers think too young or old	68	1	--	23	44	64	4
Lacks education or training	80	11	9	59	--	66	14
Other personal handicap	55	7	13	27	7	43	12
Job-market factors:							
Could not find job	264	20	51	175	18	148	115
Thinks no job available	203	18	28	127	29	128	74

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total, not in labor force	58,744	59,919	11,817	12,056	21,376	21,453	25,551	26,411	51,036	51,876	7,708	8,044
Never worked	8,894	9,181	4,424	4,664	2,104	2,124	2,366	2,394	6,932	7,252	1,962	1,928
Last worked over 5 years ago	29,144	29,863	260	307	10,916	10,643	17,967	18,914	25,956	26,422	3,188	3,440
Last worked 1 to 5 years ago	10,353	10,476	1,615	1,641	4,881	5,139	3,856	3,696	9,084	9,185	1,269	1,292
Left job during previous 12 months	10,350	10,399	5,515	5,443	3,472	3,548	1,362	1,407	9,063	9,017	1,287	1,383
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	51.9	48.3	69.1	66.3	42.0	37.7	7.3	5.3	52.6	50.4	47.1	34.3
Ill health, disability	7.1	7.1	1.8	1.6	12.5	13.2	14.7	12.9	6.6	7.0	10.9	9.7
Retirement, old age	7.5	8.3	--	--	3.9	3.7	46.8	52.0	8.1	8.9	3.2	4.3
Economic reasons	17.3	20.3	13.5	17.9	21.4	23.3	22.2	21.9	16.7	18.8	21.3	29.9
End of seasonal job	7.4	8.3	7.6	9.5	6.7	6.8	8.8	7.5	7.4	7.8	7.5	11.8
Slack work	4.5	6.2	2.7	3.9	7.4	9.8	4.1	6.1	4.2	5.6	6.2	10.1
End of temporary job	5.4	5.8	3.3	4.5	7.3	6.7	9.3	8.2	5.1	5.4	7.5	8.0
All other reasons	16.2	16.0	15.5	14.1	20.3	22.1	8.9	8.0	16.0	15.1	17.5	21.9
Males, not in labor force	17,502	18,184	4,836	5,001	3,152	3,303	9,513	9,881	14,885	15,431	2,617	2,753
Never worked	2,056	2,224	1,744	1,989	267	201	44	36	1,421	1,552	635	672
Last worked over 5 years ago	7,832	8,225	35	45	1,281	1,373	6,516	6,808	6,791	7,114	1,041	1,111
Last worked 1 to 5 years ago	3,460	3,578	411	413	898	1,011	2,152	2,152	3,071	3,108	389	470
Left job during previous 12 months	4,153	4,157	2,645	2,553	705	718	803	885	3,602	3,657	551	500
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	47.8	43.6	68.3	65.1	20.9	18.5	4.1	2.3	48.1	44.8	45.8	35.5
Ill health, disability	8.4	8.8	1.9	1.4	24.1	28.9	15.7	13.3	8.4	8.1	8.0	13.6
Retirement, old age	11.7	13.9	.1	--	9.8	11.3	51.3	56.3	12.5	14.7	6.2	8.0
Economic reasons	17.3	19.2	14.9	19.2	19.5	16.2	22.8	21.8	16.8	18.6	20.2	24.0
End of seasonal job	9.0	9.5	9.6	10.6	6.1	6.0	9.3	9.4	9.0	9.5	8.7	10.2
Slack work	3.8	4.7	2.5	3.7	8.5	8.5	3.9	4.4	3.8	4.4	3.5	6.6
End of temporary job	4.5	5.0	2.8	4.9	4.8	1.7	9.6	8.0	4.0	4.7	8.0	7.2
All other reasons	15.0	14.5	14.8	14.3	25.7	25.1	6.1	6.3	14.2	13.9	19.8	18.8
Females, not in labor force	41,242	41,735	6,980	7,055	18,223	18,150	16,038	16,530	36,151	36,445	5,091	5,290
Never worked	6,838	6,956	2,679	2,675	1,837	1,922	2,358	2,358	5,511	5,700	1,327	1,256
Last worked over 5 years ago	21,313	21,637	226	262	9,636	9,269	11,451	12,106	19,165	19,308	2,147	2,329
Last worked 1 to 5 years ago	6,893	6,898	1,204	1,226	3,984	4,128	1,705	1,544	6,013	6,077	880	822
Left job during previous 12 months	6,198	6,243	2,870	2,891	2,768	2,830	560	521	5,461	5,360	736	883
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	54.7	51.4	69.9	67.4	47.5	42.6	12.1	10.4	55.5	54.3	48.1	33.6
Ill health, disability	6.3	6.0	1.8	1.8	9.5	9.2	13.4	12.1	5.3	5.7	13.0	7.5
Retirement, old age	4.7	4.6	--	.1	2.3	1.9	40.2	44.5	5.2	5.0	1.0	2.2
Economic reasons	17.3	21.0	12.2	16.8	21.8	25.1	21.4	21.9	16.7	19.0	22.1	33.2
End of seasonal job	6.4	7.5	5.7	8.5	6.7	7.0	7.9	4.2	6.3	6.6	6.7	12.7
Slack work	4.9	7.2	2.8	4.1	7.1	10.1	4.6	9.0	4.4	6.4	8.3	12.0
End of temporary job	6.1	6.3	3.7	4.2	8.0	8.0	8.9	8.6	5.9	5.9	7.2	8.5
All other reasons	17.1	17.0	16.1	13.9	18.9	21.3	12.9	11.1	17.2	16.0	15.8	23.6

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

[In thousands]

Work-seeking intentions, work history, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total	48,843	49,889	5,906	6,220	18,023	17,861	24,913	25,807	42,920	43,822	5,923	6,067
Do not intend to seek work	9,899	10,029	5,910	5,835	3,352	3,591	638	603	8,115	8,054	1,785	1,976
Intend to seek work in the next 12 months	1,549	1,593	1,404	1,455	138	135	8	3	1,172	1,144	377	449
Never worked	1,129	1,125	67	59	867	876	194	192	897	842	231	284
Last worked over 5 years ago	1,840	1,944	636	676	995	1,096	209	172	1,436	1,509	404	435
Last worked 1 to 5 years ago	5,382	5,368	3,804	3,645	1,350	1,486	228	237	4,610	4,560	772	808
Worked during previous 12 months												
Males	13,759	14,438	2,112	2,275	2,484	2,609	9,164	9,554	11,806	12,352	1,953	2,086
Do not intend to seek work	3,742	3,746	2,723	2,725	669	694	350	327	3,078	3,079	664	667
Intend to seek work in the next 12 months	601	669	573	637	29	31	--	--	421	477	180	192
Never worked	219	194	16	8	103	108	99	78	160	132	59	63
Last worked over 5 years ago	538	526	217	220	198	203	124	102	428	403	110	123
Last worked 1 to 5 years ago	2,383	2,356	1,919	1,859	338	350	127	147	2,069	2,067	314	289
Worked during previous 12 months												
Females	35,084	35,451	3,794	3,945	15,540	15,252	15,749	16,254	31,114	31,470	3,970	3,981
Do not intend to seek work	6,157	6,284	3,186	3,109	2,683	2,898	289	276	5,037	4,975	1,121	1,309
Intend to seek work in the next 12 months	948	923	831	816	110	104	8	3	751	667	197	257
Never worked	909	930	52	51	763	766	95	113	737	710	172	221
Last worked over 5 years ago	1,302	1,418	420	455	796	892	85	70	1,008	1,106	294	312
Last worked 1 to 5 years ago	2,998	3,012	1,885	1,787	1,013	1,135	101	90	2,541	2,493	458	519
Worked during previous 12 months												

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
TOTAL								
Civilian noninstitutional population	162,591	165,079	142,468	144,357	17,179	17,577	7,923	8,782
Civilian labor force	103,847	105,160	91,432	92,481	10,510	10,695	5,061	5,594
Percent of population	63.9	63.7	64.2	64.1	61.2	60.8	63.9	63.7
Employed	98,049	97,759	86,958	86,770	9,310	9,157	4,626	5,046
Agriculture	3,240	3,253	2,950	3,091	238	151	220	219
Nonagricultural industries	94,810	94,506	84,008	83,751	9,072	8,976	4,405	4,827
Unemployed	5,798	7,401	4,473	5,711	1,199	1,538	435	548
Unemployment rate	5.6	7.0	4.9	6.2	11.4	14.4	8.6	9.8
Not in labor force	58,744	59,919	51,036	51,876	6,670	6,883	2,862	3,189
Males, 20 years and over								
Civilian noninstitutional population	68,814	70,093	61,001	62,027	6,631	6,793	3,242	3,608
Civilian labor force	54,735	55,391	48,775	49,344	5,043	5,061	2,758	3,052
Percent of population	79.5	79.0	80.0	79.6	76.1	74.5	85.1	84.6
Employed	52,545	52,201	47,077	46,833	4,598	4,458	2,599	2,797
Agriculture	2,389	2,354	2,153	2,168	197	146	180	172
Nonagricultural industries	50,156	49,847	44,924	44,665	4,402	4,312	2,419	2,625
Unemployed	2,190	3,189	1,698	2,510	444	603	155	255
Unemployment rate	4.0	5.8	3.5	5.1	8.8	11.9	5.8	8.4
Not in labor force	14,078	14,703	12,226	12,684	1,587	1,732	484	556
Females, 20 years and over								
Civilian noninstitutional population	77,425	78,841	67,659	68,745	8,327	8,549	3,656	4,007
Civilian labor force	39,993	41,041	34,484	35,338	4,662	4,835	1,778	1,976
Percent of population	51.7	52.1	51.0	51.4	56.0	56.6	48.6	49.3
Employed	37,812	38,383	32,822	33,349	4,200	4,217	1,604	1,805
Agriculture	571	577	531	548	31	18	24	21
Nonagricultural industries	37,241	37,805	32,290	32,801	4,169	4,199	1,580	1,784
Unemployed	2,181	2,659	1,662	1,989	462	618	174	171
Unemployment rate	5.5	6.5	4.8	5.6	9.9	12.8	9.8	8.7
Not in labor force	37,433	37,800	33,175	33,408	3,666	3,714	1,878	2,031
Both sexes, 16-19 years								
Civilian noninstitutional population	16,352	16,144	13,807	13,584	2,221	2,235	1,025	1,167
Civilian labor force	9,119	8,728	8,173	7,800	805	758	525	566
Percent of population	55.8	54.1	59.2	57.4	36.2	35.7	51.2	48.5
Employed	7,692	7,175	7,059	6,588	512	482	423	444
Agriculture	280	322	266	303	11	17	17	27
Nonagricultural industries	7,412	6,854	6,794	6,284	501	465	406	417
Unemployed	1,427	1,553	1,114	1,212	293	317	102	121
Unemployment rate	15.7	17.8	13.6	15.5	36.4	39.6	19.5	21.5
Not in labor force	7,233	7,417	5,634	5,784	1,417	1,437	500	602

NOTE: The term "black" refers to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group. Data on persons of Hispanic ethnicity are collected independently of racial data. In the 1970 census, approximately 96 percent of their population was white.

HOUSEHOLD DATA QUARTERLY AVERAGES

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

[Numbers in thousands]

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
TOTAL								
Civilian noninstitutional population	7,923	8,782	4,746	5,219	1,009	1,142	594	660
Civilian labor force	5,061	5,594	3,173	3,463	512	566	387	424
Percent of population	63.9	63.7	66.9	66.4	50.7	49.6	65.2	64.2
Employed	4,626	5,046	2,884	3,126	458	481	362	390
Agriculture	220	219	198	200	4	3	3	1
Nonagricultural industries	4,405	4,827	2,686	2,926	454	478	358	388
Unemployed	435	548	289	337	54	85	26	35
Unemployment rate	8.6	9.8	9.1	9.7	10.5	15.0	6.6	8.2
Not in labor force	2,862	3,189	1,573	1,756	497	576	206	235
Males, 20 years and over								
Civilian noninstitutional population	3,242	3,608	2,031	2,237	363	405	225	278
Civilian labor force	2,758	3,052	1,782	1,939	285	317	191	227
Percent of population	85.1	84.6	87.7	86.7	78.5	78.3	84.9	81.7
Employed	2,599	2,797	1,679	1,778	265	276	182	213
Agriculture	180	172	164	158	1	2	3	1
Nonagricultural industries	2,419	2,625	1,515	1,620	263	274	179	211
Unemployed	159	255	103	161	20	41	9	15
Unemployment rate	5.8	8.4	5.8	8.3	7.2	12.9	4.7	6.5
Not in labor force	484	556	249	297	78	88	33	51
Females, 20 years and over								
Civilian noninstitutional population	3,656	4,007	2,076	2,272	492	551	299	303
Civilian labor force	1,778	1,976	1,019	1,137	179	200	163	158
Percent of population	48.6	49.3	49.1	50.0	36.4	36.3	54.5	52.1
Employed	1,604	1,805	905	1,041	160	177	152	145
Agriculture	24	21	20	16	3	1	--	--
Nonagricultural industries	1,580	1,784	885	1,025	157	176	152	145
Unemployed	174	171	114	96	19	23	11	13
Unemployment rate	9.8	8.7	11.2	8.4	10.6	11.7	6.6	8.0
Not in labor force	1,878	2,031	1,057	1,135	313	351	135	146
Both sexes, 16-19 years								
Civilian noninstitutional population	1,025	1,167	640	709	154	187	70	78
Civilian labor force	525	566	372	387	48	49	33	39
Percent of population	51.2	48.5	58.1	54.6	31.2	26.2	47.1	50.0
Employed	423	444	300	307	33	28	27	32
Agriculture	17	27	15	26	--	--	--	--
Nonagricultural industries	406	417	286	281	34	28	27	32
Unemployed	102	121	71	80	14	21	6	7
Unemployment rate	19.5	21.5	19.2	20.6	(2)	(2)	(2)	(2)
Not in labor force	500	602	268	323	106	138	38	38

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
CHARACTERISTIC								
Total, 16 years and over	98,049	97,759	86,958	86,770	11,091	10,989	4,626	5,046
Males	56,533	55,865	50,742	50,180	5,794	5,685	2,852	3,065
Females	41,516	41,894	36,217	36,590	5,300	5,304	1,774	1,981
OCCUPATION								
White-collar workers	50,342	51,540	46,113	47,167	4,230	4,373	1,521	1,728
Professional and technical	15,329	15,979	13,988	14,560	1,342	1,419	350	391
Managers and administrators, except farm	10,629	11,006	10,024	10,403	605	602	275	311
Sales workers	6,438	6,367	6,121	6,031	316	336	191	195
Clerical workers	17,946	18,188	15,980	16,172	1,967	2,016	705	831
Blue-collar workers	32,158	30,641	28,007	26,706	4,150	3,935	2,154	2,299
Craft and kindred workers	12,974	12,456	11,930	11,418	1,044	1,038	640	690
Operatives, except transport	11,064	10,412	9,334	8,815	1,730	1,597	1,005	1,060
Transport equipment operatives	3,643	3,471	3,085	2,933	558	538	170	201
Nonfarm laborers	4,476	4,302	3,658	3,539	818	763	339	348
Service workers	12,946	12,917	10,456	10,413	2,489	2,504	784	860
Farm workers	2,604	2,662	2,382	2,485	222	177	166	159
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,352	1,322	1,135	1,160	217	162	200	202
Self-employed workers	1,611	1,636	1,548	1,575	63	62	20	16
Unpaid family workers	277	295	266	285	10	10	--	1
Nonagricultural industries:								
Wage and salary workers	87,689	87,180	77,319	76,856	10,370	10,325	4,191	4,577
Government	15,650	15,857	13,200	13,363	2,450	2,494	616	646
Private industries	72,038	71,324	64,119	63,493	7,920	7,831	3,574	3,930
Private households	1,263	1,172	862	819	401	353	97	91
Other industries	70,775	70,152	63,257	62,674	7,519	7,478	3,477	3,839
Self-employed workers	6,740	6,957	6,323	6,544	416	413	200	236
Unpaid family workers	381	369	367	351	15	18	15	14
FULL- AND PART-TIME STATUS ¹								
Full-time schedules	79,903	78,965	70,696	69,919	9,207	9,046	3,911	4,205
Part time for economic reasons	3,360	4,138	2,758	3,449	602	689	247	304
Part time for noneconomic reasons	14,787	14,656	13,504	13,401	1,282	1,255	468	537

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[In thousands]

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
CHARACTERISTIC								
Total, 16 years and over	4,626	5,046	2,884	3,126	458	481	362	390
Males	2,852	3,065	1,861	1,970	284	294	197	229
Females	1,774	1,981	1,023	1,157	174	187	165	161
OCCUPATION								
White-collar workers	1,521	1,728	816	888	173	204	155	180
Professional and technical	350	391	159	186	42	38	45	45
Managers and administrators, except farm ..	275	311	144	149	25	24	29	45
Sales workers	191	195	93	94	19	17	25	21
Clerical workers	705	831	420	459	87	125	56	69
Blue-collar workers	2,154	2,299	1,433	1,566	183	192	163	156
Craft and kindred workers	640	690	423	472	42	41	45	50
Operatives, except transport	1,005	1,060	647	703	99	101	85	74
Transport equipment operatives	170	201	114	135	16	27	15	13
Nonfarm laborers	339	348	249	256	26	23	18	19
Service workers	784	860	482	523	101	83	43	54
Farm workers	166	159	153	149	--	1	1	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	200	202	185	190	3	3	2	1
Self-employed workers	20	16	12	10	1	--	1	1
Unpaid family workers	--	1	1	1	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,191	4,577	2,587	2,795	438	467	327	349
Government	616	646	387	403	90	86	37	27
Private industries	3,574	3,930	2,200	2,392	347	381	290	322
Private households	97	91	64	60	2	1	2	1
Other industries	3,477	3,839	2,136	2,332	345	380	288	321
Self-employed workers	200	236	90	121	16	11	30	36
Unpaid family workers	15	14	9	10	--	--	1	3
FULL- AND PART-TIME STATUS²								
Full-time schedules	3,911	4,205	2,423	2,580	397	432	304	327
Part time for economic reasons	247	304	181	225	13	11	15	13
Part time for noneconomic reasons	468	537	280	322	48	38	43	49

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total, 16 years and over	98,049	97,759	86,958	86,770	9,310	9,157	4,626	5,046
16 to 19 years	7,692	7,175	7,059	6,588	512	482	423	444
16 to 17 years	3,141	2,794	2,922	2,616	169	145	139	141
18 to 19 years	4,551	4,381	4,938	3,972	343	337	284	304
20 to 24 years	13,856	13,615	12,249	12,096	1,348	1,275	804	896
25 years and over	76,501	76,969	67,650	68,086	7,451	7,400	3,399	3,705
25 to 54 years	61,986	62,674	54,544	55,185	6,224	6,202	3,004	3,302
55 years and over	14,515	14,295	13,105	12,901	1,227	1,197	396	403
Males, 16 years and over	56,533	55,865	50,742	50,180	4,860	4,722	2,852	3,065
16 to 19 years	3,988	3,664	3,664	3,347	262	265	253	268
16 to 17 years	1,633	1,442	1,519	1,344	88	83	88	86
18 to 19 years	2,355	2,222	2,146	2,003	173	182	165	182
20 to 24 years	7,453	7,146	6,616	6,381	704	637	471	523
25 years and over	45,092	45,056	40,461	40,452	3,894	3,821	2,128	2,273
25 to 54 years	36,234	36,305	32,392	32,461	3,217	3,184	1,877	1,999
55 years and over	8,859	8,751	8,069	7,991	677	637	251	274
Females, 16 years and over	41,516	41,894	36,217	36,590	4,450	4,434	1,774	1,981
16 to 19 years	3,704	3,511	3,395	3,241	250	217	170	176
16 to 17 years	1,508	1,352	1,403	1,272	81	62	51	55
18 to 19 years	2,197	2,159	1,992	1,968	170	156	119	122
20 to 24 years	6,403	6,469	5,632	5,716	644	638	333	374
25 years and over	31,409	31,913	27,190	27,634	3,556	3,579	1,271	1,431
25 to 54 years	25,753	26,369	22,153	22,724	3,007	3,019	1,127	1,302
55 years and over	5,656	5,544	5,037	4,910	549	560	145	128

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

Sex and age	Total		White		Black		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total, 16 years and over	5.6	7.0	4.9	6.2	11.4	14.4	8.6	9.8
16 to 19 years	15.7	17.8	13.6	15.5	36.4	39.6	19.5	21.5
16 to 17 years	17.2	20.1	15.3	17.7	40.9	46.2	26.8	27.3
18 to 19 years	14.5	16.2	12.4	14.0	33.8	36.3	15.3	18.4
20 to 24 years	8.8	11.3	7.4	9.6	19.8	24.6	11.4	11.0
25 years and over	3.8	5.1	3.4	4.5	7.1	9.8	6.3	7.8
25 to 54 years	4.1	5.5	3.6	4.9	7.8	10.7	6.5	8.0
55 years and over	2.7	3.2	2.6	3.0	3.7	5.1	5.0	6.3
Males, 16 years and over	4.9	6.8	4.3	6.0	10.7	14.2	6.8	9.7
16 to 19 years	15.6	19.6	13.9	17.4	34.5	40.5	16.2	21.8
16 to 17 years	17.7	21.9	16.2	19.3	37.2	48.4	20.4	24.3
18 to 19 years	14.1	18.1	12.2	16.0	33.1	36.0	13.7	20.6
20 to 24 years	8.5	12.3	7.4	10.7	18.3	25.1	10.0	11.1
25 years and over	3.2	4.6	2.8	4.1	6.9	9.3	4.8	7.7
25 to 54 years	3.4	5.0	2.9	4.5	7.5	10.0	4.8	8.0
55 years and over	2.3	2.9	2.4	2.7	4.0	5.6	4.9	5.8
Females, 16 years and over	6.5	7.3	5.7	6.4	12.2	14.5	11.4	9.9
16 to 19 years	15.7	15.8	13.3	13.6	38.2	38.6	24.0	20.9
16 to 17 years	16.7	18.0	14.2	16.1	44.5	43.0	35.7	31.7
18 to 19 years	15.0	14.3	12.7	11.9	34.6	36.7	17.4	14.8
20 to 24 years	9.2	10.1	7.4	8.3	21.5	24.1	13.3	11.0
25 years and over	4.7	5.7	4.3	5.1	7.4	10.4	8.8	8.0
25 to 54 years	5.0	6.1	4.5	5.4	8.1	11.4	9.3	8.2
55 years and over	3.1	3.6	3.0	3.5	3.3	4.4	5.2	6.5

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

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
DURATION								
Total, 16 years and over	5,798	7,401	4,473	5,711	1,325	1,690	435	548
Less than 5 weeks	2,794	2,938	2,237	2,320	556	618	228	236
5 to 14 weeks	1,903	2,347	1,448	1,803	455	544	146	171
15 weeks and over	1,102	2,115	788	1,587	314	528	61	140
15 to 26 weeks	621	1,106	464	845	156	261	46	79
27 weeks and over	481	1,009	324	742	157	266	14	61
Average (mean) duration, in weeks	10.5	13.4	9.9	12.8	12.8	15.3	8.0	12.4
Median duration, in weeks	5.4	7.3	5.0	6.9	7.1	8.4	4.8	7.1
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	48.2	39.7	50.0	40.6	42.0	36.6	52.5	43.1
5 to 14 weeks	32.8	31.7	32.4	31.6	34.4	32.2	33.6	31.3
15 weeks and over	19.0	28.6	17.6	27.8	23.6	31.3	13.8	25.6
15 to 26 weeks	10.7	14.9	10.4	14.8	11.8	15.5	10.6	14.4
27 weeks and over	8.3	13.6	7.2	13.0	11.9	15.7	3.2	11.2

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

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
NUMBER OF UNEMPLOYED								
Total, 16 years and over	5,798	7,401	4,473	5,711	1,325	1,690	435	548
Job losers	2,588	3,909	2,015	3,067	572	842	225	300
On layoff	826	1,283	690	1,071	137	212	52	64
Other job losers	1,761	2,626	1,326	1,996	436	630	173	236
Job leavers	816	846	688	712	128	134	64	66
Reentrants	1,699	1,869	1,290	1,397	409	471	94	114
New entrants	696	776	480	535	216	242	52	68
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	44.7	52.8	45.0	53.8	43.2	49.8	51.7	54.7
On layoff	14.3	17.3	15.4	18.8	10.3	12.5	12.0	11.7
Other job losers	30.4	35.5	29.6	35.0	32.9	37.3	39.8	43.1
Job leavers	14.1	11.4	15.4	12.5	9.6	7.9	14.7	12.0
Reentrants	29.3	25.2	28.8	24.5	30.8	27.9	21.6	20.8
New entrants	12.0	10.5	10.7	9.4	16.3	14.3	12.0	12.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.5	3.7	2.2	3.4	4.6	6.7	4.4	5.4
Job leavers8	.8	.8	.8	1.0	1.1	1.3	1.2
Reentrants	1.6	1.8	1.4	1.5	3.3	3.7	1.9	2.0
New entrants7	.7	.5	.6	1.7	1.9	1.0	1.2

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	
VETERANS										
Total, 20 years and over	8,559	8,652	8,130	8,203	7,819	7,720	311	483	3.8	5.9
20 to 24 years	476	254	435	235	385	188	50	47	11.5	20.1
25 to 39 years	7,189	7,322	6,925	7,025	6,686	6,624	238	401	3.4	5.7
25 to 29 years	1,856	1,624	1,747	1,521	1,658	1,384	89	138	5.1	9.0
30 to 34 years	3,633	3,530	3,536	3,404	3,438	3,229	98	175	2.8	5.2
35 to 39 years	1,700	2,168	1,642	2,099	1,590	2,011	52	88	3.1	4.2
40 years and over	894	1,076	770	943	748	508	22	35	2.9	3.7
NONVETERANS										
Total, 25 to 39 years	14,923	15,796	14,231	15,022	13,656	14,157	575	866	4.0	5.8
25 to 29 years	6,833	7,219	6,487	6,821	6,192	6,327	295	454	4.5	7.2
30 to 34 years	4,301	4,799	4,116	4,589	3,954	4,346	162	243	3.9	5.3
35 to 39 years	3,789	3,779	3,628	3,613	3,510	3,484	118	125	3.2	3.6

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

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

(Numbers in thousands)

Employment status and age	Veterans						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total, 25 to 39 years:												
Civilian noninstitutional population	6,444	6,601	745	721	248	275	12,999	13,722	1,925	2,074	1,056	1,187
Civilian labor force	6,224	6,362	701	662	230	256	12,496	13,165	1,735	1,857	1,000	1,116
Employed	6,036	6,037	650	587	220	235	12,058	12,247	1,598	1,658	943	1,020
Unemployed	188	325	51	75	10	21	438	918	137	199	57	96
Unemployment rate	3.0	5.1	7.3	11.3	4.3	8.2	3.5	7.0	7.9	10.7	5.9	8.6
25 to 29 years												
Civilian noninstitutional population	1,604	1,403	252	221	81	83	6,023	6,354	811	865	438	511
Civilian labor force	1,508	1,320	239	201	73	79	5,774	6,057	713	764	416	476
Employed	1,441	1,217	217	166	70	74	5,538	5,665	654	662	397	427
Unemployed	67	103	22	35	3	5	236	392	59	102	19	49
Unemployment rate	4.4	7.8	9.2	17.4	4.1	6.3	4.1	6.2	8.3	13.4	4.6	10.3
30 to 34 years												
Civilian noninstitutional population	3,309	3,232	324	298	108	127	3,694	4,101	608	697	332	386
Civilian labor force	3,231	3,130	305	274	103	120	3,560	3,953	556	635	317	366
Employed	3,155	2,981	283	248	100	109	3,443	3,525	511	569	297	337
Unemployed	76	149	22	26	3	11	117	428	45	66	20	27
Unemployment rate	2.4	4.8	7.2	9.5	2.9	9.2	3.3	10.8	8.1	10.4	6.3	7.9
35 to 39 years												
Civilian noninstitutional population	1,531	1,966	169	202	59	65	3,282	3,267	506	512	286	290
Civilian labor force	1,485	1,912	157	187	54	57	3,162	3,155	466	458	267	274
Employed	1,440	1,839	150	173	50	52	3,077	3,057	433	427	249	256
Unemployed	45	73	7	14	4	5	85	98	33	31	18	18
Unemployment rate	3.0	3.8	4.5	7.5	(1)	(1)	2.7	3.1	7.1	6.8	6.7	6.6

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

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

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
Total												
Civilian noninstitutional population	110,482	111,751	46,000	46,112	64,481	65,639	52,109	53,328	4,582	4,524	47,527	48,804
Civilian labor force	71,751	72,346	28,957	28,889	42,795	43,457	32,096	32,813	2,884	2,855	29,212	29,958
Percent of population	64.9	64.7	63.0	62.6	66.4	66.2	61.6	61.5	62.9	63.1	61.5	61.4
Employed	67,752	67,299	26,987	26,514	40,767	40,785	30,297	30,460	2,823	2,765	27,474	27,695
Unemployed	3,999	5,048	1,971	2,373	2,028	2,675	1,799	2,353	61	90	1,738	2,263
Unemployment rate	5.6	7.0	6.8	8.2	4.7c	6.2	5.6c	7.2	2.1	3.2	5.9	7.6
Not in labor force	38,730	39,405	17,044	17,224	21,687	22,181	20,013	20,515	1,698	1,670	18,315	18,845
Males, 20 years and over												
Civilian noninstitutional population	46,577	47,317	18,960	19,143	27,618	28,174	22,236	22,776	2,098	2,057	20,138	20,719
Civilian labor force	37,501	37,927	14,747	14,783	22,754	23,144	17,234	17,464	1,721	1,690	15,513	15,774
Percent of population	80.5	80.2	77.8	77.2	82.4	82.1	77.5	76.7	82.0	82.2	77.0	76.1
Employed	35,985	35,756	13,952	13,724	22,033	22,032	16,560	16,445	1,700	1,663	14,860	14,782
Unemployed	1,516	2,171	796	1,059	720	1,112	674	1,018	22	27	652	991
Unemployment rate	4.0	5.7	5.4	7.2	3.2	4.8	3.9	5.8	1.3	1.6	4.2	6.3
Not in labor force	9,076	9,390	4,212	4,360	4,864	5,030	5,002	5,313	377	367	4,625	4,946
Females, 20 years and over												
Civilian noninstitutional population	52,912	53,646	22,670	22,727	30,242	30,919	24,513	25,195	1,966	1,959	22,547	23,236
Civilian labor force	28,046	28,587	11,956	11,973	16,090	16,614	11,947	12,455	891	904	11,056	11,551
Percent of population	53.0	53.3	52.7	52.7	53.2	53.7	48.7	49.4	45.3	46.2	49.0	49.7
Employed	26,510	26,794	11,220	11,137	15,290	15,657	11,302	11,588	873	865	10,429	10,723
Unemployed	1,535	1,792	737	835	800	957	645	866	18	39	627	827
Unemployment rate	5.5	6.3	6.2	7.0	5.0	5.8	5.4	7.0	2.1	4.3	5.7	7.2
Not in labor force	24,867	25,059	10,714	10,754	14,152	14,305	12,566	12,741	1,075	1,055	11,491	11,686
Both sexes, 16-19 years												
Civilian noninstitutional population	10,992	10,788	4,372	4,241	6,622	6,547	5,360	5,356	517	509	4,843	4,847
Civilian labor force	6,205	5,833	2,253	2,132	3,951	3,701	2,914	2,895	271	260	2,643	2,635
Percent of population	56.4	54.1	51.5	50.3	59.7	56.5	54.4	54.0	52.4	51.1	54.6	54.4
Employed	5,257	4,749	1,815	1,654	3,442	3,095	2,435	2,427	251	236	2,184	2,191
Unemployed	948	1,084	438	479	510	605	479	468	21	24	458	444
Unemployment rate	15.3	18.6	19.4	22.5	12.9	16.3	16.5	16.2	7.6	9.3	17.3	16.9
Not in labor force	4,787	4,955	2,117	2,109	2,670	2,846	2,445	2,461	246	249	2,199	2,212
Whites												
Civilian noninstitutional population	94,892	95,622	35,054	34,857	59,837	60,765	47,576	48,735	4,324	4,263	43,252	44,472
Civilian labor force	61,933	62,313	22,289	22,099	39,645	40,214	29,498	30,168	2,755	2,718	26,743	27,450
Percent of population	65.3	65.2	63.6	63.4	66.3	66.2	62.0	61.9	63.7	63.8	61.8	61.7
Employed	58,978	58,584	21,137	20,689	37,841	37,895	27,980	28,186	2,706	2,643	25,274	25,543
Unemployed	2,955	3,729	1,151	1,410	1,804	2,319	1,518	1,982	50	75	1,468	1,907
Unemployment rate	4.8	6.0	5.2	6.4	4.6	5.8	5.1	6.6	1.8	2.7	5.5	6.9
Not in labor force	32,958	33,309	12,766	12,758	20,193	20,551	18,078	18,567	1,568	1,545	16,510	17,022
Black and other												
Civilian noninstitutional population	15,590	16,129	10,947	11,255	4,644	4,874	4,533	4,593	258	261	4,275	4,332
Civilian labor force	9,818	10,033	6,669	6,789	3,150	3,244	2,597	2,646	128	137	2,469	2,509
Percent of population	63.0	62.2	60.9	60.3	67.8	66.6	57.3	57.6	49.7	52.3	57.8	57.9
Employed	8,774	8,715	5,849	5,825	2,925	2,890	2,317	2,274	117	121	2,200	2,153
Unemployed	1,044	1,318	820	963	224	355	280	371	11	15	269	356
Unemployment rate	10.6	13.1	12.3	14.2	7.1	10.9	10.8	14.0	8.5	11.3	10.9	14.2
Not in labor force	5,772	6,096	4,278	4,466	1,494	1,630	1,936	1,948	130	125	1,806	1,823

c=corrected.

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

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
TOTAL												
Civilian noninstitutional population	28,918	29,362	133,673	135,718	10,924	11,026	99,558	100,725	17,994	18,336	34,115	34,992
Civilian labor force	16,327	16,556	87,520	88,603	6,007	5,992	65,744	66,354	10,320	10,565	21,776	22,249
Percent of population	56.5	56.4	65.5	65.3	55.0	54.3	66.0	65.9	57.4	57.6	63.8	63.6
Employed	15,052	14,915	82,998	82,845	5,349	5,170	62,403	62,129	9,702	9,745	20,594	20,715
Unemployed	1,276	1,642	4,522	5,759	658	822	3,341	4,225	618	1,820	1,181	1,533
Unemployment rate	7.8	9.9	5.2	6.5	11.0	13.7	5.1	6.4	6.0	7.8	5.4	6.9
Not in labor force	12,591	12,805	46,153	47,114	4,916	5,034	33,814	34,371	7,674	7,771	12,339	12,743
White												
Civilian noninstitutional population	20,519	20,891	121,949	123,465	5,493	5,572	89,399	90,050	15,026	15,320	32,550	33,415
Civilian labor force	11,825	12,083	79,606	80,398	3,096	3,129	58,837	59,184	8,729	8,953	20,769	21,214
Percent of population	57.6	57.8	65.3	65.1	56.4	56.2	65.8	65.7	58.1	58.4	63.8	63.5
Employed	11,138	11,186	75,821	75,584	2,842	2,821	56,137	55,763	8,296	8,365	19,684	19,821
Unemployed	688	897	3,786	4,814	255	309	2,700	3,421	433	588	1,085	1,393
Unemployment rate	5.8	7.4	4.8	6.0	8.2	9.9	4.6	5.8	5.0	6.6	5.2	6.6
Not in labor force	8,693	8,809	42,342	43,067	2,397	2,442	30,562	30,866	6,297	6,367	11,781	12,200
Black and other												
Civilian noninstitutional population	8,399	8,470	11,724	12,253	5,431	5,454	10,160	10,675	2,969	3,016	1,565	1,577
Civilian labor force	4,502	4,474	7,913	8,205	2,911	2,862	6,907	7,171	1,591	1,611	1,006	1,035
Percent of population	53.6	52.8	67.5	67.0	53.6	52.5	68.0	67.2	53.6	53.4	64.3	65.6
Employed	3,914	3,729	7,177	7,260	2,508	2,349	6,266	6,366	1,406	1,380	910	894
Unemployed	558	745	737	945	403	514	641	805	185	231	96	140
Unemployment rate	13.1	16.6	9.3	11.5	13.8	17.9	9.3	11.2	11.6	14.3	9.5	13.6
Not in labor force	3,897	3,996	3,811	4,047	2,520	2,592	3,253	3,504	1,377	1,405	558	543

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

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980	IV 1979	IV 1980
TOTAL												
Both sexes, 16 years and over	7.8	9.9	5.2	6.5	11.0	13.7	5.1	6.4	6.0	7.8	5.4	6.9
Males, 20 years and over	5.4	7.8	3.7	5.4	7.8	11.1	3.7	5.3	4.1	6.1	3.8	5.7
Females, 20 years and over	7.6	9.8	5.1	5.9	10.3	12.7	5.0	5.7	5.9	8.0	5.2	6.5
Both sexes, 16-19 years	23.2	23.5	14.3	16.7	32.2	35.3	13.7	17.0	17.9	17.2	15.8	15.7
White												
Both sexes, 16 years and over	5.8	7.4	4.8	6.0	8.2	9.9	4.6	5.8	5.0	6.6	5.2	6.6
Males, 20 years and over	3.9	6.1	3.4	4.9	5.4	8.3	3.3	4.8	3.4	5.3	3.7	5.4
Females, 20 years and over	6.0	7.1	4.7	5.4	8.8	8.6	4.6	5.1	5.0	6.6	4.9	6.2
Both sexes, 16-19 years	17.3	17.4	13.1	15.2	23.3	25.6	12.3	15.4	15.1	14.6	15.3	14.9
Black and other												
Both sexes, 16 years and over	13.1	16.6	9.3	11.5	13.8	17.9	9.3	11.2	11.6	14.3	9.5	13.6
Males, 20 years and over	10.0	13.4	7.3	10.1	10.8	14.8	7.5	9.7	8.6	11.1	5.7	12.2
Females, 20 years and over	11.2	15.6	8.4	9.7	11.5	16.2	8.2	9.5	10.6	14.6	10.1	11.1
Both sexes, 16-19 years	37.8	41.4	29.6	33.8	41.9	46.6	30.0	33.4	31.1	32.3	27.5	35.7

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	IV 1979					IV 1980				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	59,063	4,651	26.2	73.8	66.3	59,535	5,786	29.4	70.6	62.5
With children under 18 years of age	30,437	3,026	27.4	72.6	65.8	30,304	3,610	30.4	69.6	61.4
Married-couple families	48,271	3,378	18.4	81.6	74.6	48,325	4,218	21.3	78.7	70.9
With children under 18 years of age	24,535	2,213	17.5	82.5	76.3	24,114	2,650	20.3	79.7	71.7
Families maintained by females	8,534	1,043	48.8	51.2	42.2	8,913	1,298	52.8	47.2	37.5
With children under 18 years of age	5,151	717	56.5	43.5	35.1	5,395	851	59.0	41.0	31.8
Families maintained by males	2,257	230	38.5	61.5	52.8	2,297	271	42.2	57.8	50.7
With children under 18 years of age	751	97	39.6	60.4	55.2	795	110	52.7	47.3	41.8
White										
Total families	51,818	3,630	23.4	76.6	69.1	52,123	4,514	26.3	73.7	65.5
With children under 18 years of age	26,005	2,336	23.7	76.3	69.6	25,838	2,738	26.3	73.7	65.3
Married-couple families	43,984	2,844	18.5	81.5	74.5	44,121	3,608	21.2	78.8	70.9
With children under 18 years of age	22,041	1,855	17.4	82.6	76.4	21,710	2,229	19.9	80.1	71.6
Families maintained by females	5,968	614	43.1	56.9	47.2	6,152	711	48.3	51.7	42.0
With children under 18 years of age	3,354	408	50.5	49.5	40.4	3,492	428	54.7	45.3	36.2
Families maintained by males	1,867	171	35.3	64.7	58.2	1,850	195	42.1	57.9	50.3
With children under 18 years of age	610	73	33.3	66.7	59.7	636	81	51.2	48.8	42.0
Black										
Total families	6,312	935	36.6	63.4	55.5	6,449	1,177	40.6	59.4	51.1
With children under 18 years of age	3,895	638	40.0	60.0	52.5	3,908	806	43.9	56.1	48.4
Married-couple families	3,550	472	17.2	82.8	76.0	3,455	545	21.1	78.9	71.7
With children under 18 years of age	2,060	318	16.7	83.3	76.4	1,952	371	20.5	79.5	73.3
Families maintained by females	2,427	408	57.2	42.8	35.1	2,616	566	59.0	41.0	31.1
With children under 18 years of age	1,709	295	63.9	36.1	27.7	1,817	408	64.1	35.9	26.2
Families maintained by males	336	55	(1)	(1)	(1)	378	66	44.6	55.4	52.3
With children under 18 years of age	126	24	(1)	(1)	(1)	138	27	(1)	(1)	(1)
Hispanic origin										
Total families	2,953	353	32.9	67.1	59.2	3,194	431	31.9	68.1	60.0
With children under 18 years of age	2,015	252	36.7	63.3	57.7	2,215	319	32.8	67.2	59.4
Married-couple families	2,220	259	25.0	75.0	66.9	2,334	326	24.2	75.8	67.2
With children under 18 years of age	1,536	193	28.0	72.0	65.8	1,639	244	24.6	75.4	67.2
Families maintained by females	585	73	61.1	38.9	30.6	683	83	60.2	39.8	34.9
With children under 18 years of age	438	52	(1)	(1)	(1)	512	59	(1)	(1)	(1)
Families maintained by males	148	21	(1)	(1)	(1)	178	23	(1)	(1)	(1)
With children under 18 years of age	41	8	(1)	(1)	(1)	64	16	(1)	(1)	(1)

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1979				IV 1980			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed	5,798	38.8	61.2	54.7	7,401	41.4	58.6	51.6
In families	4,950	28.3	71.7	64.1	6,346	31.7	68.3	60.2
Husbands	1,013	46.3	53.7	41.7	1,498	45.4	54.6	41.2
With children under 18 years of age	639	51.3	48.7	36.6	970	48.1	51.9	36.8
Wives	1,159	12.7	87.3	82.0	1,371	18.6	81.4	76.2
With children under 18 years of age	740	10.9	89.1	84.8	860	14.3	85.7	80.7
Relatives in married-couple families	1,396	8.7	91.3	86.8	1,718	9.4	90.6	85.6
Females who maintain families	430	81.6	18.4	12.6	535	82.6	17.4	10.1
With children under 18 years of age	360	89.4	10.6	5.3	451	87.5	12.5	5.9
Relatives in families maintained by females	699	31.0	69.0	57.7	924	37.1	62.9	52.7
Males who maintain families	83	73.0	27.0	21.2	118	71.4	28.6	18.6
With children under 18 years of age	37	(2)	(2)	(2)	59	(2)	(2)	(2)
Relatives in families maintained by males	171	22.2	77.8	67.4	183	26.0	74.0	67.9
Not in families ¹	847	--	--	--	1,055	--	--	--
White								
Total unemployed	4,473	37.2	62.8	56.7	5,711	39.2	60.8	53.8
In families	3,794	25.9	74.1	66.9	4,878	28.8	71.2	63.0
Husbands	851	47.0	53.0	40.5	1,281	45.0	55.0	40.8
With children under 18 years of age	531	52.4	47.6	35.3	813	48.3	51.7	35.1
Wives	986	12.7	87.3	81.9	1,174	18.5	81.5	76.4
With children under 18 years of age	618	10.4	89.6	85.3	718	14.1	85.9	80.9
Relatives in married-couple families	1,138	8.8	91.2	87.3	1,432	9.0	91.0	86.2
Females who maintain families	247	76.7	23.3	16.2	275	79.9	20.1	11.6
With children under 18 years of age	199	85.7	14.3	7.3	221	86.6	13.4	5.7
Relatives in families maintained by females	386	26.2	73.8	63.0	500	34.2	65.8	56.2
Males who maintain families	55	(2)	(2)	(2)	82	70.0	30.0	18.5
With children under 18 years of age	25	(2)	(2)	(2)	41	(2)	(2)	(2)
Relatives in families maintained by males	131	22.4	77.6	71.2	833	26.7	73.3	66.8
Not in families ¹	679	--	--	--	--	--	--	--
Black								
Total unemployed	1,199	45.0	55.0	47.1	1,538	49.4	50.6	43.6
In families	1,047	37.1	62.9	53.9	1,345	42.2	57.8	49.9
Husbands	137	41.6	58.4	48.7	186	45.3	54.7	45.7
With children under 18 years of age	91	43.4	56.6	44.8	134	43.8	56.2	47.9
Wives	145	12.2	87.8	81.9	168	20.2	79.8	73.7
With children under 18 years of age	106	11.5	88.5	83.5	123	15.8	84.2	79.6
Relatives in married-couple families	231	8.6	91.4	83.9	251	11.8	88.2	82.0
Females who maintain families	173	87.8	12.2	7.8	253	86.0	14.0	7.9
With children under 18 years of age	153	94.0	6.0	2.8	224	88.7	11.3	5.4
Relatives in families maintained by females	298	37.6	62.4	50.4	411	40.7	59.3	48.3
Males who maintain families	26	(2)	(2)	(2)	31	(2)	(2)	(2)
With children under 18 years of age	12	(2)	(2)	(2)	16	(2)	(2)	(2)
Relatives in families maintained by males	38	(2)	(2)	(2)	44	(2)	(2)	(2)
Not in families ¹	152	--	--	--	193	--	--	--
Hispanic origin								
Total unemployed	435	40.2	59.8	53.3	548	40.9	59.1	52.2
In families	396	34.4	65.6	58.7	485	33.1	66.9	59.0
Husbands	97	51.9	48.1	37.5	129	52.0	48.0	36.2
With children under 18 years of age	73	59.1	40.9	33.6	103	52.4	47.6	35.4
Wives	94	18.9	81.1	78.2	90	17.1	82.9	74.8
With children under 18 years of age	74	21.7	78.3	76.4	64	14.5	85.5	78.7
Relatives in married-couple families	101	12.0	88.0	83.7	148	8.5	91.5	84.6
Females who maintain families	38	(2)	(2)	(2)	33	(2)	(2)	(2)
With children under 18 years of age	30	(2)	(2)	(2)	28	(2)	(2)	(2)
Relatives in families maintained by females	44	(2)	(2)	(2)	60	47.1	52.9	48.2
Males who maintain families	5	(2)	(2)	(2)	11	(2)	(2)	(2)
With children under 18 years of age	3	(2)	(2)	(2)	9	(2)	(2)	(2)
Relatives in families maintained by males	19	(2)	(2)	(2)	15	(2)	(2)	(2)
Not in families ¹	39	--	--	--	63	--	--	--

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

and some whose status is unknown.

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

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	IV 1979				IV 1980			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed	98,049	36.9	63.1	53.6	97,759	37.8	62.2	52.6
In families	83,654	26.0	74.0	62.8	82,872	26.6	73.4	62.1
Husbands	38,279	37.0	63.0	45.3	37,546	37.1	62.9	45.2
With children under 18 years of age	22,843	39.3	60.7	39.6	22,103	39.7	60.3	39.3
Wives	23,209	8.4	91.6	87.2	23,200	9.6	90.4	85.5
With children under 18 years of age	12,565	4.1	95.9	92.4	12,401	5.4	94.6	90.8
Relatives in married-couple families	11,118	5.4	94.6	91.2	11,055	5.7	94.3	90.5
Females who maintain families	4,697	64.3	35.7	23.9	3,757	66.3	33.7	22.3
With children under 18 years of age	3,118	76.3	23.7	12.0	3,163	78.4	21.6	10.7
Relatives in families maintained by females	3,510	27.2	72.8	62.1	3,488	27.6	72.4	61.2
Males who maintain families	1,657	53.9	46.1	35.5	1,656	56.8	43.2	32.3
With children under 18 years of age	649	66.1	33.9	20.0	669	70.0	30.0	15.8
Relatives in families maintained by males	1,184	16.0	84.0	78.7	1,171	15.5	84.5	78.2
Not in families ¹	14,395	--	--	--	14,887	--	--	--
White								
Total employed	86,958	36.3	63.7	53.8	86,770	37.3	62.7	52.8
In families	74,419	25.6	74.4	62.9	73,702	26.2	73.8	62.2
Husbands	35,003	37.6	62.4	44.3	34,431	37.7	62.3	44.1
With children under 18 years of age	20,682	40.1	59.9	37.9	20,073	40.6	59.4	37.6
Wives	20,827	7.9	92.1	87.6	20,845	9.1	90.9	86.0
With children under 18 years of age	11,079	3.6	96.4	93.0	10,957	4.9	95.1	91.3
Relatives in married-couple families	10,090	5.2	94.8	91.5	10,090	5.6	94.4	90.8
Females who maintain families	3,421	61.3	38.7	25.2	3,438	64.8	35.2	22.6
With children under 18 years of age	2,186	74.4	25.6	11.8	2,239	77.2	22.8	10.0
Relatives in families maintained by females	2,694	27.1	72.9	62.7	2,594	27.5	72.5	61.4
Males who maintain families	1,393	53.2	46.8	35.7	1,355	56.2	43.8	32.5
With children under 18 years of age	538	64.1	35.9	20.9	550	68.3	31.7	16.2
Relatives in families maintained by males	991	15.7	84.3	79.1	949	14.9	85.1	78.6
Not in families ¹	12,539	--	--	--	13,068	--	--	--
Black								
Total employed	9,310	42.6	57.4	50.5	9,157	43.1	56.9	49.7
In families	7,756	31.1	68.9	60.6	7,630	31.7	68.3	59.6
Husbands	2,695	31.1	68.9	57.7	2,530	30.6	69.4	57.4
With children under 18 years of age	1,784	30.6	69.4	57.5	1,640	31.1	68.9	56.2
Wives	1,937	12.9	87.1	82.6	1,875	14.6	85.4	80.1
With children under 18 years of age	1,218	8.3	91.7	87.6	1,151	10.3	89.7	85.4
Relatives in married-couple families	795	7.3	92.7	86.1	735	7.8	92.2	86.6
Females who maintain families	1,194	73.5	26.5	19.8	1,236	71.2	28.8	21.1
With children under 18 years of age	881	81.7	18.3	12.3	878	82.2	17.8	11.8
Relatives in families maintained by females	753	28.6	71.4	58.9	822	29.2	70.8	59.3
Males who maintain families	227	61.6	38.4	31.5	251	61.2	38.8	30.2
With children under 18 years of age	100	77.5	22.5	15.7	105	76.7	23.3	14.9
Relatives in families maintained by males	155	20.0	80.0	72.8	181	20.9	79.1	75.2
Not in families ¹	1,554	--	--	--	1,527	--	--	--
Hispanic origin								
Total employed	4,626	39.3	60.7	53.5	5,046	38.9	61.1	52.9
In families	3,995	29.7	70.3	62.0	4,373	29.5	70.5	61.0
Husbands	1,846	43.3	56.7	44.2	1,912	42.4	57.6	44.5
With children under 18 years of age	1,370	45.5	54.5	41.4	1,430	44.6	55.4	42.0
Wives	948	8.4	91.6	88.0	1,015	8.0	92.0	86.3
With children under 18 years of age	668	5.9	94.1	90.6	705	7.0	93.0	87.3
Relatives in married-couple families	571	6.0	94.0	90.4	689	6.4	93.6	86.7
Females who maintain families	246	68.7	31.3	22.2	294	72.9	27.1	19.4
With children under 18 years of age	179	76.8	23.2	13.0	222	80.2	19.8	11.1
Relatives in families maintained by females	160	25.4	74.6	63.6	192	26.4	73.6	62.4
Males who maintain families	113	45.5	54.5	51.0	145	51.6	48.4	42.6
With children under 18 years of age	35	(2)	(2)	(2)	51	(2)	(2)	(2)
Relatives in families maintained by males	111	11.9	88.1	85.4	127	9.2	90.8	84.9
Not in families ¹	631	--	--	--	673	--	--	--

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

and some whose status is unknown.

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

**HOUSEHOLD DATA
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A-75. Median weekly earnings of families by type of family, number of earners, race, and Hispanic origin

Type of family, number of earners, race, and Hispanic origin	Number of families (in thousands)		Median weekly earnings			
	III 1979	III 1980	III 1979	III 1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Total families with earners ¹	40,946	40,276	\$381	\$412	8.0	-4.2
Married-couple families	34,012	33,019	410	443	8.0	-4.3
One earner	14,955	14,711	300	316	5.2	-6.7
Husband	12,694	12,039	324	348	7.7	-4.5
Wife	1,675	2,013	158	166	5.1	-6.8
Other family member	586	659	158	169	7.2	-5.0
Two or more earners	19,057	18,308	502	551	9.6	-2.8
Husband and wife	15,518	15,197	504	553	9.8	-2.6
Husband and other family member(s)	2,991	2,510	531	581	9.4	-3.0
Wife and other family member(s)	375	439	323	384	18.6	5.2
Other family members only	173	163	344	366	6.3	-5.7
Families maintained by females	5,467	5,558	216	235	9.0	-3.3
One earner	3,752	3,872	174	193	10.7	-1.8
Householder	2,881	2,901	178	196	13.1	-2.4
Other family member	870	971	159	181	13.4	.5
Two or more earners	1,716	1,686	347	381	9.8	-2.6
Families maintained by males	1,466	1,699	336	371	10.4	-2.1
One earner	893	1,075	263	289	9.9	-2.6
Two or more earners	573	624	479	534	11.6	-1.0
White						
Total families with earners ¹	35,800	35,136	391	422	7.9	-4.3
Married-couple families	30,564	29,689	415	447	7.8	-4.4
One earner	13,688	13,472	307	324	5.3	-6.6
Husband	11,701	11,207	330	355	7.6	-4.6
Wife	1,430	1,675	157	170	8.3	-3.9
Two or more earners	16,876	16,218	509	557	9.3	-3.1
Husband and wife	13,702	13,420	509	558	9.7	-2.7
Families maintained by females	4,011	4,069	227	245	7.8	-4.4
Families maintained by males	1,224	1,378	341	391	14.5	1.5
Black						
Total families with earners ¹	4,470	4,435	288	317	9.9	-2.5
Married-couple families	2,900	2,776	351	393	11.8	-.9
One earner	1,083	1,034	216	213	-1.3	-12.5
Husband	839	674	230	247	7.7	-4.5
Wife	222	304	169	145	-14.1	-23.8
Two or more earners	1,816	1,742	436	494	13.3	.5
Husband and wife	1,500	1,488	453	502	10.8	-1.8
Families maintained by females	1,356	1,386	185	200	8.3	-4.0
Families maintained by males	214	273	300	276	-8.0	-18.4
Hispanic origin						
Total families with earners ¹	2,287	2,339	307	316	2.9	-8.8
Married-couple families	1,853	1,840	331	335	1.3	-10.2
One earner	887	922	229	232	1.3	-10.2
Husband	763	800	242	244	.7	-10.7
Wife	91	87	(2)	(2)	--	--
Two or more earners	966	918	432	472	9.2	-3.2
Husband and wife	782	709	431	484	12.1	-.6
Families maintained by females	300	330	158	213	34.3	19.1
Families maintained by males	135	169	267	360	34.7	19.4

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

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

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

Type of family and relationship of unemployed members to wage and salary earners	Number of families (in thousands)		Median weekly earnings			
	III 1979	III 1980	III 1979	III 1980	Percent change over the year in:	
					Current dollars	Constant dollars
Married-couple families ¹	2,640	3,396	\$319	\$343	7.7	-4.5
Husband unemployed	525	879	185	187	1.2	-10.2
Wife only earner	401	649	169	176	3.9	-7.9
Wife and other earner(s)	60	116	(2)	371	--	--
Other earner(s) only	65	115	(2)	148	--	--
Wife unemployed	980	1,156	296	327	10.4	-2.1
Husband only earner	845	941	276	311	13.0	.2
Husband and other earner(s)	129	176	531	477	-10.2	-20.3
Other earner(s) only	7	40	(2)	(2)	--	--
Other member(s) unemployed	1,134	1,361	437	489	11.8	-0.9
Husband or wife earner	562	658	338	411	21.5	7.7
Both husband and wife earners	536	664	533	587	10.3	-2.2
Other combinations of earners	36	39	(2)	(2)	--	--
Families maintained by females ¹	487	622	220	219	-0.3	-11.6
Householder unemployed	87	96	(2)	(2)	--	--
Other member(s) unemployed	400	526	229	230	.4	-11.0
Families maintained by males ¹	137	213	365	350	-4.2	-15.0

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

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

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

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1979	III 1980	III 1979	III 1980	Percent change over the year in	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 18 years and over	72,804	71,737	\$243	\$266	9.4	-3.0
Males, 18 years and over	45,034	43,755	298	321	7.8	-4.5
16 to 24 years	9,446	8,591	195	212	8.4	-3.9
25 years and over	35,589	35,165	326	350	7.4	-4.7
Females, 18 years and over	27,770	27,982	187	205	9.9	-2.6
16 to 24 years	6,889	6,617	149	168	13.0	.2
25 years and over	20,881	21,365	201	221	9.7	-2.7
FAMILY RELATIONSHIP						
Husbands	30,917	29,396	327	353	7.9	-4.3
Wives	14,155	14,260	192	211	9.9	-2.5
Others in married-couple families	7,951	7,398	163	178	9.6	-2.8
Females who maintain families	3,669	3,676	197	215	9.2	-3.1
Others in such families	2,610	2,564	173	194	12.0	-.7
Males who maintain families	1,196	1,400	306	317	3.5	-8.2
Others in such families	848	919	174	196	12.9	.1
All other males ¹	6,153	6,576	275	299	8.9	-3.4
All other females ¹	5,306	5,548	201	222	10.2	-2.3
RACE AND HISPANIC ORIGIN						
White	63,822	62,923	249	273	9.9	-2.6
Males	40,062	39,036	305	328	7.5	-4.7
Females	23,760	23,887	187	207	10.4	-2.2
Black	7,621	7,420	206	220	6.8	-5.3
Males	4,252	3,971	230	247	7.7	-4.5
Females	3,369	3,449	179	192	7.3	-4.9
Hispanic origin	3,834	4,155	202	214	5.9	-6.1
Males	2,507	2,644	230	236	2.6	-9.0
Females	1,327	1,511	161	177	9.5	-2.9

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

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

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

Characteristic	Number of workers (in thousands)		Median weekly earnings			
	III 1979	III 1980	III 1979	III 1980	Percent change over the year in:	
					Current dollars	Constant dollars
SEX AND AGE						
Total, 16 years and over	13,856	14,491	\$71	\$77	8.6	-3.7
Males, 16 years and over	4,275	4,409	70	76	9.7	-2.7
16 to 24 years	2,586	2,711	62	72	17.1	3.8
25 years and over	1,688	1,697	85	89	5.4	-6.6
Females, 16 years and over	9,581	10,083	71	77	8.3	-4.0
16 to 24 years	3,393	3,599	62	65	4.9	-7.0
25 years and over	6,188	6,484	77	87	12.0	-7.7
FAMILY RELATIONSHIP						
Husbands	1,212	1,193	85	93	9.4	-3.0
Wives	4,977	5,195	80	89	12.3	-5.5
Others in married-couple families	4,057	4,237	60	64	6.9	-5.3
Females who maintain families	724	690	73	83	12.7	-1.1
Others in such families	856	943	62	68	9.4	-3.0
Males who maintain families	88	90	(2)	(2)	--	--
Others in such families	196	211	71	82	16.0	2.9
All other males ¹	552	626	84	94	11.8	-1.8
All other females ¹	1,196	1,307	71	74	4.7	-7.2
RACE AND HISPANIC ORIGIN						
White	12,213	12,797	71	77	7.9	-4.3
Males	3,654	3,777	71	76	7.4	-4.8
Females	8,559	9,020	72	78	8.2	-4.0
Black	1,346	1,431	63	73	16.1	2.9
Males	464	528	63	79	25.7	11.5
Females	883	903	63	70	11.2	-1.4
Hispanic origin	563	579	71	89	25.4	11.2
Males	202	225	63	93	48.6	31.8
Females	361	354	75	82	9.8	-2.6

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

some whose family status is unknown.

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

HOUSEHOLD DATA
QUARTERLY AVERAGES

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

Occupation and sex	Number of workers (in thousands)		Median weekly earnings			
	III 1979	III 1980	III 1979	III 1980	Percent change over the year in:	
					Current dollars	Constant dollars
TOTAL						
Professional and technical workers	11,588	12,120	\$315	\$340	7.8	-4.4
Managers and administrators, except farm	7,407	7,721	354	391	10.6	-2.0
Sales workers	3,752	3,559	259	273	5.3	-6.6
Clerical workers	13,709	14,131	195	217	10.9	-1.7
Craft and kindred workers	11,329	10,631	305	327	7.0	-5.1
Operatives, except transport	9,887	9,105	212	226	6.3	-5.7
Transport equipment operatives	2,973	2,915	277	293	5.9	-6.1
Nonfarm laborers	3,739	3,323	204	216	6.0	-6.0
Service workers	7,607	7,442	162	179	10.2	-2.3
Farm workers	815	790	157	173	10.2	-2.3
Males						
Professional and technical workers	6,792	6,970	370	403	8.8	-3.6
Managers and administrators, except farm	5,484	5,700	406	440	8.3	-3.9
Sales workers	2,469	2,353	311	333	7.1	-5.1
Clerical workers	2,930	3,186	288	304	5.6	-6.4
Craft and kindred workers	10,748	10,028	311	333	7.2	-5.0
Operatives, except transport	6,012	5,515	257	274	6.7	-5.4
Transport equipment operatives	2,849	2,789	279	295	5.8	-6.2
Nonfarm laborers	3,411	2,974	209	223	6.7	-5.4
Service workers	3,635	3,560	204	223	9.0	-3.4
Farm workers	704	679	164	179	8.8	-3.5
Females						
Professional and technical workers	4,796	5,150	263	289	10.2	-2.3
Managers and administrators, except farm	1,924	2,021	237	264	11.7	-1.0
Sales workers	1,283	1,206	160	174	9.2	-3.1
Clerical workers	10,778	10,945	184	201	9.5	-2.9
Craft and kindred workers	581	603	186	209	12.5	-2
Operatives, except transport	3,874	3,590	161	176	8.8	-3.5
Transport equipment operatives	123	126	220	244	10.9	-1.6
Nonfarm laborers	328	349	157	168	7.0	-5.1
Service workers	3,972	3,882	139	148	6.4	-5.7
Farm workers	110	110	126	139	10.2	-2.2

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
-	TOTAL	91,288	91,394	91,332	91,652	91,832	-	-	-	-	-
-	PRIVATE SECTOR	75,061	75,180	75,080	75,270	75,458	61,363	61,473	61,086	61,236	61,391
-	MINING	986	985	1,039	1,055	1,063	739	736	774	786	788
10	METAL MINING	103.9	104.0	85.9	95.3	-	79.8	79.3	64.2	71.7	-
101	Iron ores	24.6	24.2	18.6	18.8	-	19.8	19.4	14.0	14.4	-
102	Copper ores	34.8	34.9	21.5	30.9	-	27.1	27.0	16.7	24.0	-
11, 12	COAL MINING	265.5	264.1	261.8	266.0	-	220.5	219.3	216.1	220.2	-
12	BITUMINOUS COAL AND LIGNITE MINING	262.2	260.9	258.5	262.7	-	217.6	216.4	213.1	217.2	-
13	OIL AND GAS EXTRACTION	490.7	495.8	572.3	576.9	-	338.4	341.7	400.3	402.3	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	201.1	202.5	225.3	226.2	-	93.3	94.0	101.3	101.1	-
138	Oil and gas field services	289.6	293.3	347.0	350.7	-	245.1	247.7	299.0	301.2	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	125.4	121.3	118.9	117.2	-	99.8	95.5	93.0	91.3	-
142	Crushed and broken stone	41.8	35.8	38.0	37.3	-	35.1	33.0	31.7	31.0	-
144	Sand and gravel	39.1	36.7	36.5	35.5	-	-	-	-	-	-
147	Chemical and fertilizer minerals	25.2	25.2	25.2	25.4	-	-	-	-	-	-
-	CONSTRUCTION	4,698	4,536	4,700	4,611	4,421	3,771	3,614	3,730	3,637	3,450
15	GENERAL BUILDING CONTRACTORS	1,320.0	1,281.0	1,274.1	1,258.0	-	1,031.1	993.1	984.6	964.4	-
152	Residential building construction	621.9	602.1	610.1	600.4	-	469.5	450.4	457.0	445.8	-
153	Operative builders	86.9	83.6	70.7	70.4	-	55.3	52.2	41.4	40.2	-
154	Nonresidential building construction	611.2	595.3	593.3	587.2	-	506.3	490.5	486.2	478.4	-
16	HEAVY CONSTRUCTION CONTRACTORS	964.9	878.9	939.1	891.6	-	799.2	718.3	761.7	716.3	-
161	Highway and street construction	295.4	247.8	291.6	263.1	-	255.4	209.0	251.8	224.1	-
162	Heavy construction, except highway	669.5	631.1	647.5	628.5	-	543.8	509.3	509.9	492.2	-
17	SPECIAL TRADE CONTRACTORS	2,413.0	2,376.4	2,486.7	2,461.7	-	1,940.9	1,902.6	1,983.2	1,955.0	-
171	Plumbing, heating, air conditioning	576.8	577.0	596.7	595.4	-	441.9	441.9	450.9	448.4	-
172	Painting, paper hanging, decorating	161.0	153.8	165.3	158.0	-	135.4	128.2	141.2	134.0	-
173	Electrical work	426.0	427.6	441.5	444.9	-	336.1	336.8	343.2	345.1	-
174	Masonry, stonework, and plastering	385.5	379.4	397.4	392.8	-	337.1	330.9	343.3	339.0	-
175	Carpentering and flooring	130.4	131.1	129.0	126.8	-	100.1	101.2	96.2	95.8	-
176	Roofing and sheet metal work	177.7	174.1	184.3	184.5	-	146.0	142.4	151.3	151.1	-
-	MANUFACTURING	21,055	20,987	20,302	20,371	20,353	15,034	14,964	14,204	14,260	14,244
24, 25, 32-39	DURABLE GOODS	12,744	12,733	12,100	12,198	12,212	9,054	9,040	8,343	8,430	8,437
20-23, 26-31	NONDURABLE GOODS	8,311	8,254	8,202	8,173	8,141	5,980	5,924	5,861	5,830	5,807
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	757.2	737.4	686.9	682.9	676.9	643.4	623.7	574.9	570.5	564.4
241	Logging camps and logging contractors	90.0	87.7	86.4	82.4	-	75.2	72.6	70.5	68.2	-
242	Sawmills and planing mills	234.4	230.7	210.0	209.4	-	209.2	205.7	186.1	185.2	-
2421	Sawmills and planing mills, general	194.4	191.4	176.3	174.8	-	174.0	171.0	156.5	154.9	-
2426	Hardwood dimension and flooring	32.9	32.3	27.5	28.3	-	28.7	28.2	23.5	24.5	-
243	Millwork, plywood, and structural members	219.1	212.5	200.2	201.2	-	182.4	176.2	164.7	166.2	-
2431	Millwork	75.2	72.5	68.3	69.1	-	60.8	58.6	55.0	55.6	-
2434	Wood kitchen cabinets	51.2	50.5	44.9	44.8	-	43.1	42.1	36.2	36.0	-
2435	Hardwood veneer and plywood	28.1	27.3	26.1	26.6	-	24.9	24.2	22.7	23.3	-
2436	Softwood veneer and plywood	48.0	46.5	44.5	44.6	-	41.4	39.9	38.5	39.1	-
244	Wooden containers	45.3	45.2	41.8	41.6	-	39.7	39.2	36.1	36.0	-
245	Wood buildings and mobile homes	83.3	77.3	68.3	68.4	-	65.5	60.0	50.9	50.6	-
2451	Mobile homes	57.7	53.9	48.5	48.7	-	46.9	43.3	37.4	37.3	-
249	Miscellaneous wood products	85.1	84.0	80.2	79.9	-	71.4	70.0	66.6	66.3	-
25	FURNITURE AND FIXTURES	503.1	501.8	470.3	473.1	476.4	411.5	409.0	380.2	382.4	385.6
251	Household furniture	332.7	332.2	308.2	310.5	-	282.2	280.9	258.8	260.7	-
2511	Wood household furniture	150.5	150.2	143.8	144.2	-	132.2	131.7	124.6	125.3	-
2512	Upholstered household furniture	102.4	102.4	94.5	95.5	-	85.3	84.8	77.8	78.5	-
2514	Metal household furniture	32.2	32.3	26.5	28.0	-	26.0	26.2	21.3	22.5	-
2515	Mattresses and bedspreads	31.3	31.3	28.5	28.2	-	24.4	24.2	21.5	21.7	-
252	Office furniture	50.8	50.2	48.4	49.4	-	40.6	39.9	38.1	38.8	-
253	Public building and related furniture	26.4	26.4	24.6	25.0	-	20.0	19.8	18.3	18.5	-
254	Partitions and fixtures	64.6	64.1	61.4	60.5	-	48.9	48.4	45.6	45.1	-
259	Miscellaneous furniture and fixtures	28.6	28.9	27.7	27.7	-	19.8	20.0	19.4	19.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
32	STONE, CLAY, AND GLASS PRODUCTS	710.3	697.4	665.5	666.7	654.2	559.1	547.2	515.7	517.3	505.7
321	Flat glass	18.8	17.8	19.5	19.9	-	14.6	13.8	15.0	15.4	-
322	Glass and glassware, pressed or blown	132.0	131.1	126.8	126.7	-	112.6	112.0	106.6	106.8	-
3221	Glass containers	71.9	70.8	69.7	69.4	-	63.0	62.3	60.9	60.6	-
3229	Pressed and blown glass, nec	60.1	60.3	57.1	57.3	-	49.6	49.7	45.7	46.2	-
323	Products of purchased glass	47.0	46.6	45.2	46.0	-	34.2	34.1	31.5	32.1	-
324	Cement, hydraulic	33.5	33.1	31.2	31.9	-	26.8	26.5	24.8	25.4	-
325	Structural clay products	51.1	50.4	44.2	44.9	-	39.4	38.8	33.5	34.1	-
326	Pottery and related products	48.9	47.7	44.4	44.6	-	41.0	40.1	36.8	36.8	-
327	Concrete, gypsum, and plaster products	217.2	205.0	203.6	200.7	-	169.8	161.8	158.0	155.8	-
3271	Concrete block and brick	23.2	22.6	21.7	21.5	-	16.5	15.8	15.1	15.1	-
3272	Concrete products, nec	70.5	67.8	65.7	64.6	-	54.2	51.7	50.0	48.7	-
3273	Ready-mixed concrete	101.2	96.5	95.7	94.1	-	80.8	76.1	76.3	75.3	-
329	Misc. nonmetallic mineral products	149.2	149.3	138.3	139.9	-	110.6	110.1	99.6	101.2	-
3291	Abrasive products	29.5	29.7	27.3	28.0	-	20.2	20.4	18.0	18.0	-
3292	Asbestos products	21.1	21.1	18.2	18.7	-	16.4	16.2	14.1	14.5	-
3296	Mineral wool	34.0	34.3	33.5	33.1	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,222.6	1,209.9	1,093.1	1,109.2	1,120.7	955.3	944.7	835.1	850.0	863.7
331	Blast furnace and basic steel products	551.1	544.6	486.7	495.4	-	432.0	427.2	374.1	382.4	-
3312	Blast furnaces and steel mills	461.3	456.0	407.4	414.9	-	362.7	358.6	314.4	321.5	-
3317	Steel pipe and tubes	30.0	29.7	27.6	28.3	-	23.4	23.2	21.1	21.6	-
332	Iron and steel foundries	225.7	220.0	194.7	198.7	-	183.0	178.2	155.5	159.0	-
3321	Gray iron foundries	134.5	129.9	115.1	118.6	-	110.7	107.0	93.6	96.6	-
3322	Malleable iron foundries	19.1	18.8	14.0	14.6	-	15.0	14.7	10.5	11.1	-
3325	Steel foundries, nec	59.5	58.7	53.0	53.0	-	47.6	46.8	42.2	42.2	-
333	Primary nonferrous metals	72.4	72.6	65.9	66.8	-	55.9	55.9	48.6	49.3	-
3334	Primary aluminum	36.4	36.6	35.4	35.6	-	29.0	29.1	27.6	27.7	-
335	Nonferrous rolling and drawing	223.0	222.3	208.5	209.4	-	164.3	163.4	148.7	149.6	-
3351	Copper rolling and drawing	34.1	33.7	28.2	27.3	-	26.3	25.8	20.8	20.2	-
3353	Aluminum sheet, plate, and foil	37.0	36.5	36.6	36.7	-	28.3	27.9	27.9	27.9	-
3357	Nonferrous wire drawing and insulating	92.3	92.9	88.7	89.5	-	68.4	68.9	64.1	64.9	-
336	Nonferrous foundries	97.9	97.8	86.1	87.0	-	79.9	79.5	69.0	69.8	-
3361	Aluminum foundries	57.2	56.8	49.8	50.5	-	47.5	46.9	40.6	41.3	-
34	FABRICATED METAL PRODUCTS	1,733.3	1,725.2	1,604.6	1,615.3	1,615.8	1,308.5	1,299.2	1,187.1	1,197.3	1,196.8
341	Metal cans and shipping containers	79.6	75.5	75.6	74.6	-	66.8	66.7	64.1	63.0	-
3411	Metal cans	65.2	65.1	61.5	60.6	-	55.1	55.0	52.6	51.6	-
342	Cutlery, hand tools, and hardware	184.9	183.0	167.1	169.8	-	143.7	141.5	126.4	131.0	-
3423.5	Hand and edge tools, and hand saws and blades	65.0	65.4	58.0	58.2	-	51.0	51.2	44.8	45.0	-
3429	Hardware, nec	103.8	101.4	94.4	97.0	-	81.0	78.6	72.0	74.4	-
343	Plumbing and heating, except electric	77.6	77.5	67.5	67.6	-	57.8	57.8	48.6	48.8	-
3432	Plumbing fittings and brass goods	28.1	28.0	23.9	24.2	-	23.1	23.0	15.1	19.3	-
3433	Heating equipment, except electric	38.0	38.1	32.2	32.2	-	26.6	26.8	21.5	21.5	-
344	Fabricated structural metal products	538.1	536.4	517.9	518.8	-	380.7	378.3	357.2	358.2	-
3441	Fabricated structural metal	109.6	110.5	103.1	103.4	-	79.4	80.1	74.2	74.9	-
3442	Metal doors, sash, and trim	90.6	87.8	85.5	86.5	-	68.3	65.7	63.5	64.0	-
3443	Fabricated plate work (boiler shops)	150.3	149.8	149.2	150.0	-	97.2	96.1	91.6	92.4	-
3444	Sheet metal work	115.4	116.3	110.9	109.6	-	86.0	86.4	81.0	79.8	-
3446	Architectural metal work	31.7	32.0	33.4	33.6	-	22.8	23.3	23.7	24.0	-
345	Screw machine products, bolts, etc.	117.4	116.9	103.9	104.3	-	92.0	91.8	79.6	80.3	-
3451	Screw machine products	55.0	55.1	49.7	49.9	-	45.2	45.6	40.0	40.5	-
3452	Bolts, nuts, rivets, and washers	62.4	61.8	54.2	54.4	-	46.8	46.2	39.6	39.8	-
346	Metal forgings and stampings	297.5	294.9	258.3	263.7	-	237.9	235.2	202.1	207.1	-
3462	Iron and steel forgings	57.9	57.1	48.2	49.5	-	45.3	44.5	36.6	38.0	-
3465	Automotive stampings	107.7	105.8	88.8	91.7	-	88.9	87.1	71.9	74.9	-
3469	Metal stampings, nec	120.6	120.5	110.2	111.2	-	94.9	94.6	84.8	85.4	-
347	Metal services, nec	110.6	110.3	108.4	109.0	-	90.2	89.7	87.2	87.5	-
3471	Plating and polishing	75.0	74.5	71.9	72.5	-	61.9	61.3	58.6	59.0	-
3479	Metal coating and allied services	35.6	35.8	36.5	36.5	-	28.3	28.4	28.6	28.5	-
348	Ordnance and accessories, nec	63.3	63.0	59.4	59.8	-	42.8	42.6	39.4	39.7	-
3483	Ammunition, exc. for small arms, nec	28.6	28.4	28.0	28.2	-	19.7	19.5	19.2	19.4	-
349	Misc. fabricated metal products	264.3	263.7	246.5	247.7	-	196.6	195.6	180.5	181.7	-
3494	Valves and pipe fittings	106.6	106.7	100.0	100.8	-	73.7	73.4	67.7	68.7	-
3496	Misc. fabricated wire products	56.6	56.1	52.7	52.8	-	44.1	43.6	41.2	41.2	-
35	MACHINERY, EXCEPT ELECTRICAL	2,458.7	2,471.6	2,456.7	2,475.4	2,488.6	1,614.3	1,620.3	1,566.6	1,579.4	1,585.6
351	Engines and turbines	138.2	137.4	131.4	132.7	-	90.7	90.1	83.7	85.1	-
3511	Turbines and turbine generator sets	40.4	40.3	40.0	40.3	-	20.8	20.6	20.7	20.9	-
3519	Internal combustion engines, nec	97.8	97.1	91.4	92.4	-	69.9	69.5	63.0	64.2	-
352	Farm and garden machinery	176.4	179.7	169.4	170.9	-	125.8	128.5	118.7	119.5	-
3523	Farm machinery and equipment	154.1	157.2	150.2	150.6	-	110.1	112.6	105.2	105.1	-
353	Construction and related machinery	341.9	343.8	383.2	389.4	-	225.3	225.2	247.6	251.3	-
3531	Construction machinery	110.3	109.7	144.5	147.8	-	73.6	72.7	95.0	96.4	-

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 ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery.....	35.3	35.2	33.1	34.1	-	22.3	22.2	20.2	20.9	-
3533	Oil field machinery.....	87.2	88.6	100.2	101.9	-	59.4	60.1	68.4	69.7	-
3535	Conveyers and conveying equipment.....	33.9	34.5	32.4	32.7	-	20.1	20.7	17.9	18.1	-
3537	Industrial trucks and tractors.....	39.7	39.8	37.5	37.7	-	27.5	26.9	24.2	24.3	-
354	Metalworking machinery.....	376.4	378.0	363.5	366.1	-	277.0	279.8	263.8	266.2	-
3541	Machine tools, metal cutting types.....	79.5	79.9	77.9	79.3	-	52.4	54.4	51.7	52.5	-
3542	Machine tools, metal forming types.....	27.8	27.9	26.6	26.7	-	18.3	18.4	16.7	16.9	-
3544	Special dies, tools, jigs, and fixtures.....	137.2	137.0	132.2	133.5	-	110.1	109.9	105.1	106.6	-
3545	Machine tool accessories.....	70.6	71.4	69.8	69.6	-	51.3	51.7	49.5	49.3	-
3546	Power driven hand tools.....	35.4	36.1	33.1	33.3	-	27.4	28.1	25.1	25.4	-
355	Special industry machinery.....	208.9	209.1	205.0	205.8	-	134.2	134.7	129.7	130.5	-
3551	Food products machinery.....	47.1	47.1	45.0	46.0	-	30.4	30.5	28.4	29.4	-
3552	Textile machinery.....	27.6	27.7	26.2	26.2	-	19.9	19.9	18.4	18.4	-
3555	Printing trades machinery.....	39.0	39.0	41.5	41.7	-	24.0	24.0	25.7	25.9	-
356	General industrial machinery.....	334.2	334.5	315.9	316.9	-	224.2	224.5	204.7	205.3	-
3561	Pumps and pumping equipment.....	64.7	64.6	60.7	61.4	-	39.5	39.5	35.2	35.7	-
3562	Ball and roller bearings.....	60.9	60.8	58.4	58.0	-	48.6	48.3	45.4	45.1	-
3563	Air and gas compressors.....	31.8	31.6	30.2	30.5	-	18.8	18.9	18.0	18.1	-
3564	Blowers and fans.....	43.2	43.3	40.3	40.4	-	28.0	28.3	25.0	25.2	-
3566	Speed changers, drives, and gears.....	27.1	27.3	25.2	25.3	-	18.6	18.7	16.9	16.9	-
3568	Power transmission equipment, nec.....	25.3	25.3	21.8	21.6	-	18.4	18.4	15.3	15.1	-
357	Office and computing machines.....	413.8	417.3	437.1	440.4	-	185.7	187.0	186.7	187.7	-
3573	Electronic computing equipment.....	335.8	339.1	358.9	361.8	-	139.4	140.2	143.6	143.8	-
358	Refrigeration and service machinery.....	181.9	182.2	170.6	172.8	-	127.5	126.0	116.8	118.7	-
3585	Refrigeration and heating equipment.....	124.3	124.5	114.1	116.3	-	88.3	86.5	78.0	80.4	-
359	Misc. machinery, except electrical.....	287.0	289.6	280.6	280.4	-	223.9	224.5	215.1	215.1	-
3592	Carburetors, pistons, rings, valves.....	43.3	43.7	39.0	39.5	-	34.5	34.7	30.7	31.2	-
3599	Machinery, except electrical, nec.....	243.7	245.9	241.6	240.9	-	183.4	189.8	184.4	183.9	-
ELECTRIC AND ELECTRONIC EQUIPMENT		2,164.0	2,171.9	2,119.3	2,138.8	2,146.7	1,411.5	1,419.2	1,334.9	1,352.3	1,357.2
36	Electric distributing equipment.....	125.0	125.3	116.7	117.3	-	89.0	89.2	81.6	82.1	-
3612	Transformers.....	55.8	55.8	50.6	50.6	-	39.6	39.6	34.8	34.7	-
3613	Switchgear and switchboard apparatus.....	69.2	69.5	66.1	66.7	-	49.4	49.6	46.8	47.4	-
362	Electrical industrial apparatus.....	250.7	250.6	229.4	232.1	-	179.7	179.6	160.7	163.5	-
3621	Motors and generators.....	128.2	128.4	114.7	117.2	-	96.7	96.8	85.9	88.4	-
3622	Industrial controls.....	72.9	72.6	68.3	68.2	-	47.0	47.1	42.3	42.3	-
363	Household appliances.....	183.3	180.9	173.1	175.1	-	146.1	143.1	137.9	139.6	-
3632	Household refrigerators and freezers.....	38.0	38.7	35.8	37.4	-	31.0	31.2	28.7	30.3	-
3633	Household laundry equipment.....	23.7	23.9	22.2	22.7	-	18.7	18.9	17.4	17.9	-
3634	Electric housewares and fans.....	56.6	55.2	54.3	53.2	-	45.6	44.2	44.7	43.5	-
364	Electric lighting and wiring equipment.....	225.4	226.4	207.0	209.1	-	169.7	170.8	154.0	155.5	-
3641	Electric lamps.....	37.2	38.3	34.7	34.8	-	32.9	34.0	30.7	30.7	-
3643	Current-carrying wiring devices.....	94.4	95.3	89.6	90.5	-	66.2	66.9	62.1	62.7	-
3644	Noncurrent-carrying wiring devices.....	24.8	24.9	23.2	23.9	-	18.0	18.1	16.6	17.3	-
3645	Residential lighting fixtures.....	26.2	26.0	23.3	23.3	-	20.4	20.3	17.9	17.7	-
365	Radio and TV receiving equipment.....	114.7	114.2	109.1	109.1	-	85.2	84.3	78.6	78.6	-
3651	Radio and TV receiving sets.....	88.4	88.1	83.9	84.5	-	64.1	63.3	58.0	58.6	-
366	Communication equipment.....	541.7	543.9	552.2	556.2	-	272.9	274.5	268.5	272.7	-
3681	Telephone and telegraph apparatus.....	174.3	175.5	169.3	169.1	-	122.6	123.2	114.0	113.6	-
3662	Radio and TV communication equipment.....	367.4	368.4	382.9	387.1	-	150.3	151.3	154.5	159.1	-
367	Electronic components and accessories.....	549.9	553.8	557.7	561.0	-	342.6	347.9	327.6	330.0	-
3671-3	Electronic tubes.....	45.0	44.8	45.6	45.8	-	28.3	28.4	28.3	28.3	-
3674	Semiconductors and related devices.....	211.4	213.0	226.6	228.8	-	97.3	100.2	95.0	96.2	-
3679	Electronic components, nec.....	215.5	216.9	214.0	215.0	-	153.9	155.3	148.6	149.8	-
369	Misc. electrical equipment and supplies.....	173.3	176.8	174.1	178.9	-	126.3	129.8	126.0	130.3	-
3691	Storage batteries.....	33.1	33.0	34.4	35.8	-	26.5	26.4	27.2	28.5	-
3694	Engine electrical equipment.....	80.5	83.6	80.5	84.1	-	60.8	63.8	61.0	64.6	-
TRANSPORTATION EQUIPMENT		2,044.2	2,079.3	1,885.7	1,913.6	1,916.4	1,382.4	1,420.3	1,219.9	1,250.1	1,252.1
371	Motor vehicles and equipment.....	924.2	960.3	761.6	783.3	-	701.5	740.8	561.9	586.9	-
3711	Motor vehicles and car bodies.....	423.8	468.7	348.9	357.7	-	305.8	350.1	244.0	255.1	-
3713	Truck and bus bodies.....	44.3	42.9	34.8	35.4	-	34.9	33.8	25.6	26.4	-
3714	Motor vehicle parts and accessories.....	417.3	410.8	347.8	358.5	-	330.5	327.8	270.4	281.8	-
3715,6	Truck trailers and motor homes.....	38.8	37.9	30.1	31.7	-	30.3	29.1	21.9	23.6	-
372	Aircraft and parts.....	639.2	643.3	663.0	667.3	-	351.0	354.9	357.4	362.1	-
3721	Aircraft.....	347.8	349.0	359.9	362.5	-	175.9	176.9	178.1	180.9	-
3724	Aircraft engines and engine parts.....	159.1	160.6	163.4	164.3	-	91.7	93.2	91.4	92.8	-
3728	Aircraft equipment, nec.....	132.3	133.7	139.7	140.5	-	83.4	84.8	87.9	88.4	-
373	Ship and boat building and repairing.....	226.8	222.0	214.7	217.9	-	182.1	178.1	171.0	173.9	-
3731	Ship building and repairing.....	178.1	174.1	171.6	173.2	-	141.7	138.4	135.5	136.8	-
3732	Boat building and repairing.....	48.7	47.9	43.1	44.7	-	40.4	39.7	35.5	37.1	-
374	Railroad equipment.....	75.8	76.0	60.8	58.4	-	59.0	59.3	44.5	42.3	-
376	Guided missiles, space vehicles, parts.....	105.0	106.2	115.7	116.7	-	33.8	34.2	35.3	35.6	-
3761	Guided missiles and space vehicles.....	83.7	84.6	92.3	93.2	-	24.9	25.2	26.5	26.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	52.4	52.0	51.0	52.5	-	38.1	37.3	35.0	36.5	-
3792	Travel trailers and campers	30.3	25.7	28.3	29.1	-	23.2	22.6	21.8	22.4	-
38	INSTRUMENTS AND RELATED PRODUCTS	694.9	696.8	695.9	701.7	705.6	419.2	422.2	412.7	416.3	420.6
381	Engineering and scientific instruments	75.5	76.4	78.5	78.8	-	37.4	38.0	38.1	38.5	-
382	Measuring and controlling devices	238.5	240.0	234.4	237.7	-	151.0	153.4	144.9	147.1	-
3822	Environmental controls	49.4	45.6	44.3	46.4	-	34.7	34.8	30.2	31.8	-
3823	Process control instruments	51.7	52.1	52.1	53.2	-	26.8	27.2	27.1	28.0	-
3825	Instruments to measure electricity	96.5	96.8	98.6	98.6	-	59.7	60.9	59.7	59.3	-
383	Optical instruments and lenses	33.7	34.1	34.7	34.6	-	18.7	18.7	19.2	19.2	-
384	Medical instruments and supplies	143.1	143.8	145.9	147.0	-	93.2	93.6	94.5	95.2	-
3841	Surgical and medical instruments	62.3	62.6	64.3	64.8	-	40.3	40.6	42.0	42.4	-
3842	Surgical appliances and supplies	63.9	64.4	65.1	65.6	-	42.0	42.2	42.3	42.5	-
385	Ophthalmic goods	46.2	46.7	46.5	47.0	-	33.6	33.8	33.0	33.3	-
386	Photographic equipment and supplies	132.0	132.4	134.2	134.9	-	65.4	65.4	67.0	67.4	-
387	Watches, clocks, and watchcases	25.9	25.4	21.7	21.7	-	19.9	19.3	16.0	15.8	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	455.5	439.4	422.1	421.0	410.3	348.4	333.7	316.1	314.8	304.9
391	Jewelry, silverware, and plated ware	62.5	60.9	59.1	59.4	-	45.2	43.8	42.7	43.0	-
3911	Jewelry, precious metal	41.2	35.8	38.8	39.1	-	29.6	28.3	27.7	27.9	-
393	Musical instruments	23.3	23.3	20.4	21.1	-	19.1	19.2	16.3	17.0	-
394	Toys and sporting goods	128.5	116.8	116.2	113.3	-	100.0	88.7	87.7	84.8	-
3942, 4	Dolls, games, toys, and children's vehicles	65.2	54.8	59.9	56.1	-	49.7	39.8	44.7	41.0	-
3949	Sporting and athletic goods, nec	63.3	62.0	56.3	57.2	-	50.3	48.9	43.0	43.8	-
395	Pens, pencils, office and art supplies	39.8	40.2	39.3	40.0	-	28.7	27.6	28.5	-	-
396	Costume jewelry and notions	57.9	56.3	52.9	54.1	-	46.5	45.1	42.0	43.1	-
3961	Costume jewelry	32.0	30.8	28.6	29.8	-	25.7	24.6	22.6	23.7	-
399	Miscellaneous manufactures	143.5	141.9	134.2	133.1	-	108.9	108.2	99.6	98.4	-
3993	Signs and advertising displays	48.0	48.2	45.8	45.9	-	34.8	35.3	33.2	33.5	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,736.3	1,706.2	1,738.8	1,691.5	1,655.4	1,198.2	1,171.1	1,204.4	1,160.0	1,126.0
201	Meat products	368.2	366.3	364.0	367.1	-	306.9	305.3	303.6	306.9	-
2011	Meat packing plants	163.8	164.4	163.1	163.5	-	133.3	133.8	133.5	134.2	-
2013	Sausages and other prepared meats	70.3	65.8	68.1	69.1	-	51.7	51.3	50.2	51.1	-
2016	Poultry dressing plants	117.6	116.2	116.7	118.6	-	107.6	106.5	105.9	107.6	-
202	Dairy products	178.0	177.4	176.8	175.7	-	95.8	95.3	95.9	94.7	-
2022	Cheese, natural and processed	33.4	33.0	34.1	33.9	-	26.0	25.4	26.5	26.1	-
2026	Fluid milk	109.2	108.9	107.1	106.8	-	48.0	47.8	47.2	47.1	-
203	Preserved fruits and vegetables	241.6	221.3	255.4	222.1	-	198.4	179.5	214.5	182.4	-
2032	Canned specialties	24.9	25.3	24.9	24.6	-	17.5	18.2	18.5	18.2	-
2033	Canned fruits and vegetables	93.8	78.6	111.2	84.3	-	78.4	63.6	95.8	69.7	-
2037	Frozen fruits and vegetables	48.6	45.2	46.3	42.6	-	42.1	39.1	40.5	37.1	-
204	Grain mill products	143.4	144.1	143.6	142.3	-	99.0	99.9	98.5	97.8	-
2041	Flour and other grain mill products	25.3	25.6	25.5	25.7	-	15.8	16.0	15.2	15.6	-
2048	Prepared feeds, nec	58.9	59.1	58.8	57.5	-	39.1	39.1	38.6	37.4	-
205	Bakery products	233.9	232.6	231.1	230.5	-	137.6	136.1	135.6	134.6	-
2051	Bread, cake, and related products	189.1	188.0	185.8	186.2	-	102.6	101.6	99.7	99.8	-
2052	Cookies and crackers	44.8	44.6	45.3	44.3	-	35.0	34.5	36.1	34.8	-
206	Sugar and confectionery products	118.6	114.9	112.4	106.9	-	91.6	88.3	86.0	80.8	-
2061-3	Cane and beet sugar	32.7	31.3	32.1	31.0	-	24.5	23.5	23.9	22.8	-
2065	Confectionery products	64.8	62.5	59.1	57.6	-	52.0	49.8	47.2	45.9	-
207	Fats and oils	45.3	45.3	43.5	43.5	-	33.5	33.3	32.2	32.5	-
208	Beverages	239.4	238.1	239.2	236.1	-	110.0	109.6	107.2	104.9	-
2082	Malt beverages	52.2	52.3	52.7	52.5	-	35.1	35.5	34.5	34.0	-
2086	Bottled and canned soft drinks	140.6	139.5	143.0	141.7	-	47.9	47.5	47.5	46.5	-
209	Misc. foods and kindred products	167.9	166.2	172.8	167.3	-	125.4	123.8	130.3	125.4	-
21	TOBACCO MANUFACTURES	68.6	70.8	76.4	75.6	70.9	53.8	56.0	60.6	60.2	55.6
211	Cigarettes	44.6	44.5	45.1	45.2	-	34.3	34.3	34.0	34.3	-
22	TEXTILE MILL PRODUCTS	890.4	885.7	856.8	860.0	860.5	776.5	776.2	744.2	748.1	748.0
221	Weaving mills, cotton	153.1	154.0	149.1	149.9	-	137.8	138.7	133.7	134.5	-
222	Weaving mills, synthetics	122.0	122.1	118.0	118.2	-	109.7	109.8	106.0	106.3	-
223	Weaving and finishing mills, wool	19.7	19.7	17.6	18.0	-	16.3	16.2	14.2	14.5	-
224	Narrow fabric mills	25.5	25.4	24.2	24.2	-	22.3	22.2	21.2	21.2	-
225	Knitting mills	230.4	229.4	228.4	227.6	-	199.8	199.4	197.8	197.2	-
2251	Women's hosiery, except socks	32.0	31.9	29.9	30.0	-	28.8	28.9	26.5	27.0	-
2252	Hosiery, nec	33.5	33.3	33.3	33.3	-	30.4	30.4	30.4	30.3	-
2253	Knit outerwear mills	74.1	73.4	77.3	77.0	-	63.4	62.9	66.2	65.9	-
2254	Knit underwear mills	32.1	32.0	32.0	32.1	-	27.9	27.8	27.6	27.8	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	TEXTILE MILL PRODUCTS—Continued										
2257	Circular knit fabric mills	32.9	33.1	31.5	30.9	-	27.7	27.9	26.4	26.0	-
226	Textile finishing, except wool	77.5	77.8	72.6	72.9	-	65.4	65.7	60.8	61.4	-
2261	Finishing plants, cotton	30.9	30.8	28.4	28.5	-	25.8	25.8	23.5	23.8	-
2282	Finishing plants, synthetics	30.1	30.8	29.3	29.6	-	25.4	26.0	24.7	24.9	-
227	Floor covering mills	59.1	58.2	52.5	52.9	-	48.2	47.1	42.4	43.0	-
228	Yarn and thread mills	134.9	134.8	130.4	131.5	-	122.3	122.4	117.6	118.8	-
2281	Yarn mills, except wool	88.9	89.1	87.5	88.1	-	82.4	82.6	80.4	81.0	-
2282	Throwing and winding mills	26.1	25.5	23.8	24.1	-	22.8	22.3	20.9	21.2	-
229	Miscellaneous textile goods	68.2	68.3	64.0	64.8	-	54.7	54.7	50.5	51.2	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,305.8	1,287.1	1,307.5	1,306.0	1,292.6	1,117.9	1,099.2	1,118.7	1,116.9	1,104.7
231	Men's and boys' suits and coats	78.5	78.4	78.8	79.2	-	67.8	67.9	65.4	70.0	-
232	Men's and boys' furnishings	369.1	366.1	369.2	370.0	-	317.1	315.7	315.9	316.5	-
2321	Men's and boys' shirts and nightwear	104.3	103.2	102.1	101.1	-	90.8	89.7	88.1	87.1	-
2327	Men's and boys' separate trousers	79.1	79.1	79.4	79.7	-	68.6	68.6	69.4	69.7	-
2328	Men's and boys' work clothing	104.5	105.2	105.4	109.1	-	88.2	88.7	88.4	91.8	-
233	Women's and misses' outerwear	431.6	416.3	437.0	435.1	-	372.7	359.4	376.1	374.7	-
2331	Women's and misses' blouses and waists	62.5	60.5	62.1	62.8	-	53.9	52.2	54.1	54.7	-
2335	Women's and misses' dresses	155.2	150.2	152.1	152.8	-	138.3	132.9	134.3	135.3	-
2337	Women's and misses' suits and coats	60.1	57.2	66.1	63.1	-	51.9	48.9	57.5	54.3	-
2339	Women's and misses' outerwear, nec.	153.8	150.4	156.7	156.4	-	128.6	125.4	130.2	130.4	-
234	Women's and children's undergarments	93.0	91.1	90.1	89.2	-	79.1	77.4	76.7	75.9	-
2341	Women's and children's underwear	74.4	72.3	72.8	71.7	-	64.3	62.5	63.3	62.3	-
2342	Brassieres and allied garments	18.6	18.8	17.3	17.5	-	14.8	14.9	13.4	13.6	-
236	Children's outerwear	64.0	63.4	63.3	62.3	-	55.3	54.5	54.0	52.8	-
2361	Children's dresses and blouses	26.2	25.7	25.2	25.0	-	23.6	23.1	22.5	22.3	-
238	Misc. apparel and accessories	57.3	56.1	58.3	57.9	-	49.2	48.2	49.9	49.5	-
239	Misc. fabricated textile products	192.0	191.8	190.1	191.6	-	159.2	158.8	158.9	159.8	-
2391	Curtains and draperies	30.5	30.5	28.4	28.6	-	26.4	26.4	23.8	24.6	-
2392	House furnishings, nec.	56.4	55.9	52.8	53.8	-	47.0	46.4	43.8	44.6	-
2396	Automotive and apparel trimmings	32.3	33.9	39.1	38.7	-	26.4	27.9	34.3	33.6	-
26	PAPER AND ALLIED PRODUCTS	707.8	705.9	690.7	692.2	695.1	537.2	535.8	520.0	521.0	525.2
261, 2.6	Paper and pulp mills	207.5	207.5	206.4	207.0	-	156.1	156.1	154.7	155.2	-
262	Paper mills, except building paper	178.0	177.9	178.6	178.8	-	132.3	132.4	132.3	132.6	-
263	Paperboard mills	64.1	65.2	63.5	63.5	-	50.3	50.7	49.8	49.7	-
264	Misc. converted paper products	220.6	218.0	214.5	214.3	-	164.0	162.5	158.0	157.4	-
2641	Paper coating and glazing	58.8	58.4	56.7	57.0	-	38.3	38.6	36.3	36.6	-
2642	Envelopes	25.0	25.1	24.9	25.0	-	19.9	20.0	19.6	19.6	-
2643	Bags, except textile bags	51.2	51.7	49.0	49.4	-	40.2	40.6	38.1	38.4	-
265	Paperboard containers and boxes	215.6	215.2	206.3	207.4	-	166.8	166.5	157.5	158.7	-
2651	Folding paperboard boxes	45.1	45.2	44.6	44.6	-	35.8	36.0	35.2	35.2	-
2653	Corrugated and solid fiber boxes	111.1	110.8	105.0	105.6	-	82.5	82.1	76.6	77.2	-
2654	Sanitary food containers	26.5	26.6	25.9	26.0	-	22.0	22.1	21.1	21.3	-
27	PRINTING AND PUBLISHING	1,262.0	1,268.5	1,272.2	1,280.0	1,297.5	716.2	720.2	712.1	716.9	732.4
271	Newspapers	430.9	431.8	432.5	434.4	-	172.4	172.7	168.4	169.7	-
272	Periodicals	81.9	82.4	83.9	85.1	-	13.6	13.6	15.4	15.5	-
273	Books	103.6	106.5	101.2	102.3	-	54.1	56.6	50.5	52.1	-
2731	Book publishing	70.6	72.1	65.5	70.4	-	26.4	27.6	24.9	25.7	-
2732	Book printing	33.0	34.4	31.7	31.9	-	27.7	29.0	26.0	26.4	-
274	Miscellaneous publishing	46.1	47.0	46.5	48.4	-	26.5	28.7	24.5	26.2	-
275	Commercial printing	418.2	419.8	429.8	432.8	-	312.5	313.7	320.6	322.2	-
2751	Commercial printing, letterpress	169.4	169.1	172.3	172.7	-	126.6	126.1	128.8	128.7	-
2752	Commercial printing, lithographic	225.4	227.4	233.8	236.2	-	166.5	168.2	172.3	173.8	-
276	Manifold business forms	47.9	47.9	46.6	46.6	-	33.8	34.1	32.9	33.0	-
278	Blankbooks and bookbinding	65.4	64.9	62.3	61.5	-	54.7	54.0	50.7	49.9	-
279	Printing trade services	44.1	44.2	45.5	45.3	-	32.6	32.8	33.9	33.7	-
28	CHEMICALS AND ALLIED PRODUCTS	1,113.9	1,114.2	1,104.9	1,106.9	1,110.6	633.1	634.0	617.7	619.4	625.9
281	Industrial inorganic chemicals	163.9	164.5	164.5	165.5	-	87.0	86.8	87.4	87.9	-
2819	Industrial inorganic chemicals, nec.	106.8	106.8	108.1	108.4	-	56.6	56.6	58.5	58.4	-
282	Plastics materials and synthetics	210.5	210.6	199.3	200.6	-	141.6	142.1	130.3	131.4	-
2821	Plastics materials and resins	86.1	86.0	83.4	83.8	-	52.0	52.2	48.4	48.7	-
2824	Organic fibers, noncellulosic	95.5	95.7	90.1	90.4	-	68.6	69.0	63.2	63.4	-
283	Drugs	195.3	195.5	199.5	199.9	-	97.5	98.5	97.6	98.1	-
2834	Pharmaceutical preparations	155.8	156.1	158.9	159.3	-	75.2	76.1	75.6	76.2	-
284	Soap, cleaners, and toilet goods	139.3	139.1	139.6	138.6	-	85.2	85.0	85.8	85.5	-
2841	Soap and other detergents	41.0	40.9	40.9	40.6	-	26.7	26.6	26.4	26.3	-
2844	Toilet preparations	59.1	58.8	59.1	59.0	-	37.0	36.8	38.1	38.3	-
2842, 3	Polishing, sanitation, and finishing preparations	39.2	39.4	39.6	39.0	-	21.5	21.6	21.3	20.9	-
285	Paints and allied products	67.9	67.4	65.7	65.4	-	34.4	34.3	32.7	32.5	-
286	Industrial organic chemicals	172.6	172.6	170.7	170.8	-	89.7	89.8	85.8	85.6	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	37.4	37.5	35.5	35.8	-	23.3	23.4	21.3	21.4	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	135.2	135.1	135.2	135.0	-	66.4	66.4	64.5	64.2	-
287	Agricultural chemicals	70.1	70.2	70.7	70.1	-	44.5	44.2	44.2	43.5	-
289	Miscellaneous chemical products	94.3	94.3	94.9	96.0	-	53.2	53.3	53.9	54.9	-
29	PETROLEUM AND COAL PRODUCTS	212.6	210.6	210.4	210.3	207.3	138.3	136.5	135.3	135.0	135.3
291	Petroleum refining	168.1	167.8	166.4	166.7	-	105.2	105.0	103.4	103.1	-
295	Paving and roofing materials	32.4	30.8	31.6	31.1	-	25.5	23.9	24.1	24.0	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	765.9	755.6	703.4	709.0	713.1	598.5	588.7	543.5	548.0	553.3
301	Tires and inner tubes	114.4	113.3	99.5	100.5	-	81.8	81.7	70.1	71.0	-
302	Rubber and plastics footwear	22.3	22.4	22.8	23.2	-	19.5	19.8	20.3	20.3	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	24.6	23.6	21.1	21.2	-	17.9	16.8	14.7	14.9	-
306	Fabricated rubber products, nec	115.2	113.2	105.8	107.1	-	90.0	88.2	82.1	83.2	-
307	Miscellaneous plastics products	489.4	483.1	454.2	457.0	-	389.3	382.2	356.3	358.6	-
31	LEATHER AND LEATHER PRODUCTS	247.6	245.2	240.6	241.2	237.8	209.8	206.5	204.3	204.5	200.1
311	Leather tanning and finishing	19.2	18.9	19.0	19.2	-	16.0	15.8	15.5	16.0	-
314	Footwear, except rubber	150.1	150.4	151.9	152.0	-	127.9	127.4	130.7	130.9	-
3143	Men's footwear, except athletic	56.7	57.1	59.4	60.0	-	48.9	49.2	51.2	51.8	-
3144	Women's footwear, except athletic	61.1	62.6	57.1	56.5	-	51.5	52.4	48.9	48.4	-
316	Luggage	17.4	16.8	14.6	14.2	-	13.6	12.9	10.9	10.4	-
317	Handbags and personal leather goods	34.5	32.9	30.6	30.6	-	29.8	28.0	26.1	26.0	-
-	TRANSPORTATION AND PUBLIC UTILITIES	5,243	5,240	5,178	5,159	5,161	4,393	4,384	4,322	4,301	4,306
40	RAILROAD TRANSPORTATION	562.1	548.1	532.7	532.1	-	-	-	-	-	-
4011	Class I railroads ²	507.4	494.7	480.7	480.2	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	278.6	279.8	283.4	281.9	-	257.0	258.0	262.8	260.8	-
411	Local and suburban transportation	79.5	79.8	84.8	84.1	-	73.0	72.9	76.2	77.3	-
412	Taxicabs	61.3	61.4	57.6	58.2	-	-	-	-	-	-
413	Intercity highway transportation	38.2	39.1	40.9	40.0	-	35.2	36.0	37.1	36.4	-
415	School buses	85.2	85.7	85.3	85.3	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,370.1	1,373.8	1,291.1	1,288.1	-	1,209.4	1,214.2	1,131.5	1,129.2	-
421,3	Trucking and trucking terminals	1,269.2	1,274.0	1,197.9	1,196.3	-	1,121.6	1,127.4	1,052.3	1,051.1	-
422	Public warehousing	100.9	99.8	93.2	91.8	-	87.8	86.8	79.6	78.1	-
44	WATER TRANSPORTATION	219.2	218.0	204.5	197.6	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	450.6	453.9	446.6	443.6	-	-	-	-	-	-
451,2	Air transportation	402.4	405.3	397.7	395.0	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	19.4	19.3	19.8	19.7	-	13.8	13.8	14.2	14.0	-
47	TRANSPORTATION SERVICES	195.0	193.8	191.5	190.9	-	-	-	-	-	-
48	COMMUNICATION	1,335.1	1,339.9	1,366.9	1,362.7	-	1,003.9	1,002.1	1,017.4	1,014.9	-
481	Telephone communication	1,067.4	1,071.4	1,083.8	1,079.7	-	783.2	780.6	785.5	783.6	-
483	Radio and television broadcasting	195.4	196.1	205.7	205.6	-	157.2	158.0	164.9	165.0	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	813.2	812.9	841.5	842.0	-	666.9	666.6	686.6	686.7	-
491	Electric services	379.1	380.3	399.9	400.6	-	305.9	306.7	323.2	323.6	-
492	Gas production and distribution	167.3	165.7	171.8	171.8	-	136.2	135.2	140.1	140.3	-
493	Combination utility services	195.7	195.6	195.6	195.5	-	163.2	163.4	159.2	158.9	-
495	Sanitary services	48.4	48.6	51.5	51.4	-	42.8	42.8	45.4	45.2	-
-	WHOLESALE AND RETAIL TRADE	20,756	21,114	20,708	20,924	21,301	18,267	18,628	18,157	18,366	18,719
50,51	WHOLESALE TRADE	5,282	5,264	5,313	5,313	5,318	4,335	4,325	4,334	4,329	4,333
50	WHOLESALE TRADE - DURABLE GOODS	3,134	3,123	3,127	3,137	-	2,570	2,568	2,547	2,555	-
501	Motor vehicles and automotive equipment	442.1	442.4	423.5	422.1	-	360.0	359.7	340.3	339.8	-
502	Furniture and home furnishing	115.3	115.2	117.3	119.4	-	94.4	94.3	95.9	97.7	-
503	Lumber and construction materials	157.7	155.6	190.5	194.9	-	164.8	163.1	156.4	160.2	-
504	Sporting goods, toys, and hobby goods	73.0	73.1	74.6	75.3	-	60.3	60.5	60.7	60.4	-
505	Metals and minerals, except petroleum	154.8	154.9	151.0	152.0	-	125.9	126.3	121.2	122.0	-
506	Electrical goods	409.5	410.0	408.1	409.4	-	334.4	335.0	330.6	332.7	-
507	Hardware, plumbing, and heating equipment	247.1	247.3	243.3	245.5	-	203.4	204.5	200.2	201.8	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980 ²	Dec. 1980 ²	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980 ²	Dec. 1980 ²
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,281.1	1,271.9	1,307.1	1,306.5	-	1,047.1	1,043.0	1,062.4	1,060.4	-
509	Miscellaneous durable goods	212.9	212.5	211.4	211.9	-	180.1	180.5	175.2	179.9	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	2,148	2,141	2,186	2,176	-	1,765	1,757	1,787	1,774	-
511	Paper and paper products	146.6	147.0	149.5	150.3	-	118.9	119.4	122.0	122.1	-
512	Drugs, proprietaries, and sundries	149.2	150.0	154.6	154.7	-	127.0	127.5	130.7	130.8	-
513	Apparel, piece goods, and notions	175.1	174.4	181.7	182.3	-	139.2	138.7	144.1	144.7	-
514	Groceries and related products	642.6	643.0	671.3	661.3	-	553.9	553.4	579.0	567.8	-
516	Chemicals and allied products	123.2	123.1	126.5	126.5	-	90.2	90.4	90.3	90.6	-
517	Petroleum and petroleum products	227.9	225.5	234.1	235.8	-	166.3	167.7	170.1	171.2	-
518	Beer, wine, and distilled beverages	137.4	136.6	137.3	137.8	-	117.0	117.8	115.1	115.6	-
519	Miscellaneous nondurable goods	389.0	384.1	388.1	386.4	-	321.5	316.2	316.2	314.4	-
52-59	RETAIL TRADE	15,474	15,850	15,395	15,611	15,983	13,932	14,303	13,823	14,037	14,386
52	BUILDING MATERIALS AND GARDEN										
	SUPPLIES	637.9	637.9	622.3	625.9	-	544.3	544.1	526.1	530.3	-
521	Lumber and other building materials	341.5	336.3	332.3	333.3	-	291.4	288.4	281.7	282.6	-
525	Hardware stores	154.0	155.9	154.2	156.8	-	134.0	135.8	131.9	134.6	-
53	GENERAL MERCHANDISE STORES	2,417.1	2,569.8	2,196.0	2,309.3	-	2,260.8	2,411.0	2,039.5	2,151.8	-
531	Department stores	1,979.0	2,109.1	1,787.1	1,886.8	-	1,863.0	1,989.8	1,673.2	1,772.4	-
533	Variety stores	291.0	303.3	268.7	277.9	-	270.2	282.8	247.3	255.9	-
539	Misc. general merchandise stores	147.1	157.4	140.2	144.6	-	127.6	138.4	119.0	123.5	-
54	FOOD STORES	2,365.8	2,405.1	2,421.7	2,449.0	-	2,165.4	2,222.9	2,240.2	2,268.1	-
541	Grocery stores	2,060.1	2,083.4	2,130.0	2,149.5	-	1,905.3	1,927.0	1,975.9	1,995.7	-
542	Meat markets and freezer provisioners	52.7	53.4	52.7	54.9	-	-	-	-	-	-
546	Retail bakeries	130.0	131.0	127.4	128.2	-	119.7	120.8	116.5	117.5	-
55	AUTOMOTIVE DEALERS AND SERVICE										
	STATIONS	1,793.0	1,790.8	1,733.2	1,731.5	-	1,523.3	1,520.8	1,468.0	1,464.6	-
551.2	New and used car dealers	866.3	861.8	794.8	795.1	-	717.2	713.0	652.5	652.2	-
553	Auto and home supply stores	271.3	275.0	272.5	273.2	-	236.7	240.1	236.2	236.4	-
554	Gasoline service stations	566.0	565.1	574.1	573.7	-	494.1	492.8	499.5	498.5	-
56	APPAREL AND ACCESSORY STORES	998.7	1,078.9	965.2	1,005.5	-	865.6	943.9	829.6	864.7	-
561	Men's and boys' clothing and furnishings	145.8	164.3	136.8	142.4	-	124.3	142.2	115.3	121.1	-
562	Women's ready-to-wear stores	375.2	398.4	364.9	376.9	-	328.5	351.0	316.0	327.2	-
565	Family clothing stores	188.5	215.7	186.2	198.2	-	166.0	193.1	161.4	173.6	-
566	Shoe stores	185.9	192.0	179.1	182.0	-	156.1	162.1	148.5	151.1	-
57	FURNITURE AND HOME FURNISHINGS										
	STORES	620.0	627.8	601.1	609.9	-	514.0	522.3	498.6	506.3	-
571	Furniture and home furnishings	379.3	384.1	369.3	374.0	-	317.2	321.9	307.4	311.1	-
572	Household appliance stores	86.0	86.0	83.2	84.4	-	73.8	74.2	71.1	72.3	-
573	Radio, television, and music stores	154.7	157.7	148.6	151.5	-	123.0	126.2	120.1	122.9	-
58	EATING AND DRINKING PLACES	4,665.7	4,665.1	4,893.1	4,872.5	-	4,293.1	4,297.9	4,506.8	4,487.7	-
59	MISCELLANEOUS RETAIL	1,975.8	2,071.0	1,956.0	2,007.5	-	1,745.1	1,839.7	1,713.5	1,763.2	-
591	Drug stores and proprietary stores	499.7	525.4	510.3	505.8	-	455.8	480.9	462.0	457.7	-
592	Liquor stores	134.1	140.3	131.0	132.4	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	616.9	667.3	612.2	646.4	-	531.7	580.8	524.8	558.7	-
596	Nonstore retailers	308.5	309.7	286.8	298.3	-	291.8	294.0	264.0	275.4	-
598	Fuel and ice dealers	109.9	112.1	105.9	109.0	-	92.9	94.7	89.0	92.1	-
599	Retail stores, nec.	250.0	258.1	252.4	256.2	-	209.8	218.6	211.3	215.5	-
-	FINANCE, INSURANCE, AND REAL										
	ESTATE ³	5,039	5,047	5,204	5,217	5,224	3,811	3,808	3,932	3,939	3,946
60	BANKING	1,512.3	1,516.9	1,553.0	1,561.5	-	1,169.1	1,173.1	1,193.6	1,200.6	-
602	Commercial and stock savings banks	1,381.7	1,386.0	1,415.6	1,423.2	-	1,062.8	1,066.7	1,081.0	1,087.6	-
61	CREDIT AGENCIES OTHER THAN BANKS	564.5	568.2	562.9	565.5	-	428.0	428.3	424.8	426.4	-
612	Savings and loan associations	240.9	241.6	247.8	250.6	-	186.4	186.6	188.5	190.6	-
614	Personal credit institutions	214.0	217.3	206.9	206.8	-	160.3	160.7	155.2	154.6	-
62	SECURITY, COMMODITY BROKERS, AND										
	SERVICES	206.6	207.6	218.1	220.6	-	-	-	-	-	-
621	Security brokers and dealers	164.8	165.5	173.2	175.5	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,213.9	1,222.0	1,248.2	1,249.4	-	847.7	846.4	868.9	869.3	-
631	Life insurance	522.8	526.6	544.2	544.5	-	314.6	313.3	333.9	333.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	137.1	137.9	142.1	142.5	-	109.3	109.9	113.3	114.0	-
633	Fire, marine, and casualty insurance	479.0	481.3	492.8	492.5	-	363.5	363.7	367.1	366.7	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	438.4	438.9	459.6	463.6	-	-	-	-	-	-
65	REAL ESTATE	963.6	954.0	1,016.1	1,008.9	-	-	-	-	-	-
651	Real estate operators and lessors	448.5	449.8	473.5	474.0	-	-	-	-	-	-
653	Real estate agents and managers	361.9	355.2	384.2	380.2	-	-	-	-	-	-
655	Subdividers and developers	129.4	125.6	136.5	132.7	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC.	23.4	23.4	23.3	23.3	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES	116.5	115.6	122.9	123.7	-	-	-	-	-	-
-	SERVICES	17,284	17,271	17,949	17,933	17,935	15,348	15,339	15,967	15,947	15,938
70	HOTELS AND OTHER LODGING PLACES	1,010.3	992.0	1,057.8	1,011.5	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	976.1	956.0	1,024.4	980.8	-	896.3	877.7	941.6	899.9	-
72	PERSONAL SERVICES	926.4	924.9	920.8	928.3	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	361.7	358.8	354.9	356.0	-	322.5	320.5	317.2	318.1	-
723	Beauty shops	294.8	296.2	294.5	296.4	-	271.7	274.4	274.0	275.5	-
726	Funeral service and crematories	69.0	69.5	71.1	71.8	-	-	-	-	-	-
73	BUSINESS SERVICES	2,975.5	2,982.7	3,067.1	3,089.8	-	2,591.2	2,598.6	2,674.4	2,694.1	-
731	Advertising	147.7	148.1	148.8	149.2	-	110.6	111.3	112.8	113.4	-
732	Credit reporting and collection	76.2	75.5	71.4	71.5	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	120.3	120.9	127.3	128.0	-	-	-	-	-	-
734	Services to buildings	508.1	508.5	506.5	505.1	-	460.4	460.5	459.2	456.2	-
736	Personnel supply services	529.9	535.6	538.8	538.2	-	-	-	-	-	-
737	Computer and data processing services	281.6	283.3	301.0	304.3	-	232.9	234.3	251.4	254.2	-
75	AUTO REPAIR, SERVICES, AND GARAGES	581.1	584.0	578.8	583.4	-	497.2	499.4	493.9	498.6	-
753	Automotive repair shops	358.6	358.0	356.1	357.7	-	305.0	304.8	303.4	304.7	-
76	MISCELLANEOUS REPAIR SERVICES	298.5	302.2	312.3	311.9	-	257.2	260.2	258.6	258.6	-
78	MOTION PICTURES	227.6	229.8	195.6	199.6	-	202.7	204.5	172.1	175.4	-
781	Motion picture production and services	96.8	98.7	62.7	71.1	-	84.8	85.7	51.4	59.3	-
783	Motion picture theaters	120.7	121.0	122.3	117.9	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	630.2	633.9	708.7	661.2	-	566.1	570.0	637.9	592.7	-
80	HEALTH SERVICES	5,054.9	5,072.3	5,304.0	5,326.5	-	4,500.7	4,517.4	4,740.6	4,761.9	-
801	Offices of physicians	731.1	735.3	764.9	765.7	-	597.9	600.6	628.7	628.3	-
802	Offices of dentists	328.5	331.7	342.1	348.7	-	284.2	286.6	299.7	305.3	-
805	Nursing and personal care facilities	958.5	962.0	1,011.0	1,014.6	-	862.5	866.0	911.3	914.7	-
806	Hospitals	2,639.4	2,643.9	2,764.5	2,773.3	-	2,412.9	2,419.0	2,536.3	2,545.7	-
81	LEGAL SERVICES	464.1	463.5	490.5	495.4	-	398.1	398.0	420.5	424.4	-
82	EDUCATIONAL SERVICES	1,182.2	1,160.5	1,207.2	1,211.4	-	-	-	-	-	-
821	Elementary and secondary schools	271.0	269.3	275.3	277.1	-	-	-	-	-	-
822	Colleges and universities	790.6	770.3	807.6	809.0	-	-	-	-	-	-
83	SOCIAL SERVICES	1,084.8	1,088.6	1,162.5	1,175.1	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,529.2	1,527.8	1,586.6	1,588.3	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	970.0	970.6	1,014.0	1,018.6	-	807.7	808.8	843.8	847.1	-
891	Engineering and architectural services	540.1	535.8	564.9	566.7	-	458.9	458.0	479.5	480.9	-
893	Accounting, auditing, and bookkeeping	299.6	299.7	314.6	316.3	-	241.0	242.4	252.5	253.6	-
-	GOVERNMENT	16,227	16,214	16,252	16,382	16,374	-	-	-	-	-
-	FEDERAL GOVERNMENT	2,760	2,770	2,774	2,779	2,788	-	-	-	-	-
-	Executive, by agency ⁴	2,707.0	2,717.2	2,719.8	2,725.3	-	-	-	-	-	-
-	Department of Defense	888.0	889.0	891.3	892.0	-	-	-	-	-	-
-	Postal Service	673.0	673.5	660.7	664.0	-	-	-	-	-	-
-	Other executive agencies	1,146.0	1,154.7	1,167.8	1,169.3	-	-	-	-	-	-
-	Legislative	40.0	39.5	39.1	39.0	-	-	-	-	-	-
-	Judicial	13.0	13.3	14.9	14.9	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

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

[In thousands]

1972 SiC Code	Industry	All employees					Production workers ¹				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by Industry										
-	Manufacturing activities	123.7	123.9	121.0	121.4	-	-	-	-	-	-
3731	Shipbuilding and repairing	72.5	72.6	72.6	72.9	-	-	-	-	-	-
-	Transportation and public utilities, except										
-	Postal Service	45.3	44.3	45.7	45.6	-	-	-	-	-	-
-	Services	350.5	350.8	389.7	389.2	-	-	-	-	-	-
806	Federal government hospitals	223.9	225.5	229.9	230.3	-	-	-	-	-	-
	STATE AND LOCAL GOVERNMENT	13,467	13,444	13,478	13,603	13,586	-	-	-	-	-
-	State government	3,670.9	3,635.5	3,647.8	3,672.2	-	-	-	-	-	-
806	State government hospitals	544.1	545.0	550.0	551.6	-	-	-	-	-	-
82	State education	1,512.6	1,485.4	1,471.0	1,499.2	-	-	-	-	-	-
-	General administration including executive,										
-	legislative, and judicial functions	998.2	986.3	1,008.8	1,003.5	-	-	-	-	-	-
-	Local government	9,796.3	9,808.6	9,829.7	9,930.8	-	-	-	-	-	-
-	Transportation and public utilities	602.7	603.5	629.5	631.2	-	-	-	-	-	-
806	Local government hospitals	570.2	572.3	593.8	595.1	-	-	-	-	-	-
82	Local education	5,323.9	5,332.7	5,234.2	5,331.1	-	-	-	-	-	-
-	General administration including executive,										
-	legislative, and judicial functions	2,921.3	2,926.1	2,985.8	2,985.9	-	-	-	-	-	-

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

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

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

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

* Not available.

p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
-	TOTAL	37,279	37,789	37,488	38,312	38,742
-	PRIVATE SECTOR	30,058	30,209	30,556	30,790	30,909
-	MINING	93	94	107	107	107
10	METAL MINING	8.8	8.8	8.0	8.1	7.8
11, 12	COAL MINING	9.6	9.8	11.5	11.6	11.6
13	OIL AND GAS EXTRACTION	65.3	65.6	77.9	77.7	78.1
131, 2	Crude petroleum, natural gas, and natural gas liquids.....	41.6	42.1	50.4	49.9	50.5
138	Oil and gas field services.....	23.7	23.5	27.5	27.8	27.6
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.3	9.4	9.4	9.3	9.2
142	Crushed and broken stone.....	2.7	2.8	2.7	2.6	2.5
144	Sand and gravel.....	3.1	3.1	3.1	3.1	3.1
-	CONSTRUCTION	371	371	393	393	394
15	GENERAL BUILDING CONTRACTORS	133.1	132.5	136.2	135.6	136.7
152	Residential building construction.....	75.4	74.7	78.1	77.5	77.7
153	Operative builders.....	18.0	17.9	15.1	15.2	15.6
154	Nonresidential building construction.....	39.7	40.0	43.0	42.9	43.4
16	HEAVY CONSTRUCTION CONTRACTORS	60.3	59.9	61.7	61.2	60.9
161	Highway and street construction.....	19.5	18.8	19.4	19.0	18.4
162	Heavy construction, except highway.....	40.8	41.1	42.3	42.2	42.5
17	SPECIAL TRADE CONTRACTORS	177.5	178.3	195.4	196.1	196.8
171	Plumbing, heating, air conditioning.....	49.9	50.0	55.0	54.4	54.7
172	Painting, paper hanging, decorating.....	11.8	11.6	12.5	12.4	12.5
173	Electrical work.....	31.8	32.2	36.3	37.0	37.6
174	Masonry, stonework, and plastering.....	19.9	19.7	22.4	22.6	22.6
175	Carpentering and flooring.....	13.8	14.0	14.3	14.8	14.9
176	Roofing and sheet metal work.....	12.1	12.4	13.5	13.6	13.6
-	MANUFACTURING	6,591	6,597	6,306	6,376	6,386
24, 25, 32-39	DURABLE GOODS	3,138	3,152	2,926	2,977	3,010
20-23, 26-31	NONDURABLE GOODS	3,453	3,445	3,380	3,399	3,376
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	117.9	117.7	100.4	102.5	102.2
241	Logging camps and logging contractors.....	5.1	5.3	5.5	5.7	5.6
242	Sawmills and planing mills.....	24.0	23.6	19.8	19.7	19.6
2421	Sawmills and planing mills, general.....	16.9	16.5	14.4	14.5	14.3
243	Millwork, plywood, and structural members.....	47.9	47.7	39.7	40.7	40.1
244	Wooden containers.....	7.6	7.6	7.2	7.4	7.4
245	Wood buildings and mobile homes.....	11.5	11.4	8.2	8.4	8.5
249	Miscellaneous wood products.....	21.8	22.1	20.0	20.6	21.0
25	FURNITURE AND FIXTURES	147.6	148.7	133.7	138.4	140.1
251	Household furniture.....	108.5	109.7	95.4	99.5	101.3
2511	Wood household furniture.....	46.7	47.5	42.3	44.2	44.9
2512	Upholstered household furniture.....	36.0	36.7	32.2	33.2	33.6
2515	Mattresses and bedsprings.....	8.8	8.7	7.5	7.8	7.8
252	Office furniture.....	12.2	12.2	12.2	12.1	12.1
253	Public building and related furniture.....	5.6	5.5	5.2	5.2	5.1
254	Partitions and fixtures.....	10.5	10.7	10.4	10.7	10.6
259	Miscellaneous furniture and fixtures.....	10.8	10.6	10.5	10.9	11.0
32	STONE, CLAY, AND GLASS PRODUCTS	135.6	135.5	124.4	126.5	127.0
322	Glass and glassware, pressed or blown.....	44.7	44.6	41.9	42.3	42.2
3221	Glass containers.....	24.9	24.8	23.9	23.8	23.5
3229	Pressed and blown glass, nec.....	19.8	19.8	18.0	18.5	18.7
323	Products of purchased glass.....	13.6	13.7	12.9	13.6	13.3
324	Cement, hydraulic.....	1.8	1.8	1.8	1.7	1.7
325	Structural clay products.....	7.1	7.2	6.2	6.2	6.3
326	Pottery and related products.....	16.9	17.2	14.2	14.9	15.1
327	Concrete, gypsum, and plaster products.....	15.7	15.5	15.1	15.2	15.1
329	Misc. nonmetallic mineral products.....	32.9	32.7	29.6	29.9	30.4
33	PRIMARY METAL INDUSTRIES	134.8	134.2	115.7	119.5	121.5
331	Blast furnace and basic steel products.....	45.2	43.4	36.0	36.5	37.8
3312	Blast furnaces and steel mills.....	35.1	33.4	26.9	27.0	28.3
332	Iron and steel foundries.....	20.1	19.6	16.9	18.3	18.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	9.7	9.1	7.8	8.0	8.1
3322	Malleable iron foundries	1.4	1.3	.9	1.0	1.0
3325	Steel foundries, nec	5.2	5.3	5.0	5.1	5.0
333	Primary nonferrous metals	4.9	4.9	4.6	4.6	4.6
3334	Primary aluminum	2.0	2.0	2.2	2.1	2.1
335	Nonferrous rolling and drawing	42.6	44.0	39.5	40.9	41.6
3351	Copper rolling and drawing	3.8	3.8	3.2	3.1	3.2
3353	Aluminum sheet, plate, and foil	4.7	4.6	4.3	4.3	4.2
3357	Nonferrous wire drawing and insulating	25.1	26.5	23.8	25.3	26.2
336	Nonferrous foundries	16.5	16.8	13.3	13.8	13.7
3361	Aluminum foundries	8.4	8.5	6.8	7.0	6.9
34	FABRICATED METAL PRODUCTS	361.6	364.9	323.8	331.6	336.4
341	Metal cans and shipping containers	14.2	14.2	13.2	13.4	12.9
3411	Metal cans	12.3	12.3	11.4	11.5	11.0
342	Cutlery, hand tools, and hardware	61.4	62.2	51.4	54.9	56.6
3423, 5	Hand and edge tools, and hand saws and blades	17.6	17.8	15.7	15.9	16.0
3429	Hardware, nec	36.8	37.2	29.0	32.3	33.6
343	Plumbing and heating, except electric	19.5	19.7	14.8	15.0	15.7
344	Fabricated structural metal products	76.7	77.6	72.1	72.9	73.5
3441	Fabricated structural metal	8.0	8.1	7.5	7.5	7.6
3442	Metal doors, sash, and trim	24.8	25.2	21.2	22.1	22.3
3443	Fabricated plate work (boiler shops)	17.1	17.2	18.2	18.2	18.3
3444	Sheet metal work	16.6	17.0	15.6	15.5	15.7
345	Screw machine products, bolts, etc.	25.8	26.2	23.0	23.3	23.5
3451	Screw machine products	13.1	13.4	12.0	12.2	12.3
3452	Bolts, nuts, rivets, and washers	12.7	12.8	11.0	11.1	11.2
346	Metal forgings and stampings	57.3	57.7	50.4	51.7	53.0
3462	Iron and steel forgings	4.8	4.8	4.8	4.7	4.7
3465	Automotive stampings	15.0	14.9	10.4	11.5	12.6
3469	Metal stampings, nec	35.4	36.0	33.0	33.3	33.5
347	Metal services, nec	26.6	26.7	25.1	25.7	26.1
3471	Plating and polishing	18.3	18.4	17.2	17.6	17.9
3479	Metal coating and allied services	8.3	8.3	7.9	8.1	8.2
348	Ordnance and accessories, nec	18.0	17.8	17.1	17.0	17.0
349	Misc. fabricated metal products	62.1	62.8	56.7	57.7	58.1
3494	Valves and pipe fittings	23.9	23.8	21.8	21.7	21.7
3496	Misc. fabricated wire products	14.1	14.5	13.4	13.8	13.8
35	MACHINERY, EXCEPT ELECTRICAL	482.9	483.3	482.4	487.6	492.6
351	Engines and turbines	27.3	26.9	24.4	24.5	24.5
3511	Turbines and turbine generator sets	5.7	5.8	5.9	5.9	5.8
3519	Internal combustion engines, nec	21.6	21.1	18.5	18.6	18.7
352	Farm and garden machinery	28.1	25.5	23.6	26.2	27.2
3523	Farm machinery and equipment	21.8	19.5	19.2	21.6	21.7
353	Construction and related machinery	45.5	43.9	48.1	48.9	49.2
3531	Construction machinery	14.9	12.8	14.5	14.5	14.6
3533	Oil field machinery	11.8	12.1	14.2	14.3	14.4
354	Metalworking machinery	56.7	57.2	56.9	56.8	57.4
3541	Machine tools, metal cutting types	9.8	9.8	10.2	10.0	10.1
3544	Special dies, tools, jigs, and fixtures	15.4	15.5	14.9	15.1	15.4
3545	Machine tool accessories	13.3	13.5	13.6	13.5	13.6
355	Special industry machinery	29.9	30.2	30.7	30.7	30.5
3551	Food products machinery	6.4	6.5	6.3	6.2	6.1
3552	Textile machinery	5.3	5.3	5.0	5.0	4.9
3555	Printing trades machinery	6.0	6.1	7.1	7.2	7.2
356	General industrial machinery	62.8	64.3	61.9	62.2	61.7
3561	Pumps and pumping equipment	11.7	11.6	11.1	11.2	11.2
3562	Ball and roller bearings	13.4	14.5	14.3	14.2	14.2
357	Office and computing machines	144.2	145.5	155.9	156.2	157.9
3573	Electronic computing equipment	116.5	117.9	128.5	128.6	130.1
358	Refrigeration and service machinery	38.6	39.8	35.0	35.9	37.1
3585	Refrigeration and heating equipment	25.1	26.5	22.3	23.1	24.0
359	Misc. machinery, except electrical	49.8	50.0	45.9	46.2	47.1
3599	Machinery, except electrical, nec	38.5	38.6	37.0	36.8	37.5
36	ELECTRIC AND ELECTRONIC EQUIPMENT	919.7	927.0	875.2	887.5	897.3
361	Electric distributing equipment	46.4	46.2	40.8	42.1	42.7
3612	Transformers	20.4	20.1	16.3	17.0	17.2
3613	Switchgear and switchboard apparatus	26.0	26.1	24.5	25.1	25.5
362	Electrical industrial apparatus	94.3	94.9	84.0	84.7	85.5
3621	Motors and generators	51.8	51.7	43.3	44.5	45.4
3622	Industrial controls	28.5	28.9	27.8	27.5	27.4
363	Household appliances	63.4	64.6	53.9	59.0	61.4
3632	Household refrigerators and freezers	10.6	10.6	6.6	8.4	9.5
3633	Household laundry equipment	5.1	5.0	3.4	4.4	4.8
3634	Electric housewares and fans	28.6	29.4	27.6	29.5	29.9
364	Electric lighting and wiring equipment	104.2	104.5	90.9	93.5	94.5
3641	Electric lamps	24.4	24.2	20.2	21.7	21.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	45.8	46.3	43.3	43.1	43.2
365	Radio and TV receiving equipment	64.5	64.6	55.6	58.0	58.5
3651	Radio and TV receiving sets	45.6	45.9	41.1	42.7	43.2
366	Communication equipment	204.0	206.1	210.7	209.4	210.3
3661	Telephone and telegraph apparatus	84.6	85.1	82.3	81.5	81.2
3662	Radio and TV communication equipment	119.4	121.0	128.4	127.9	129.1
367	Electronic components and accessories	282.1	285.7	283.1	283.2	284.5
3671-3	Electronic tubes	16.7	16.7	17.3	17.2	17.1
3674	Semiconductors and related devices	97.5	99.5	105.8	105.0	106.3
3679	Electronic components, nec	114.6	115.9	111.6	112.8	113.5
369	Misc. electrical equipment and supplies	60.8	60.4	56.2	57.6	59.9
3694	Engine electrical equipment	29.3	29.0	25.0	26.1	28.2
TRANSPORTATION EQUIPMENT						
37	Motor vehicles and equipment	323.6	322.3	280.4	289.9	296.5
371	Motor vehicles and equipment	136.4	134.2	94.8	101.6	105.9
3711	Motor vehicles and car bodies	55.7	54.4	36.9	39.5	41.7
3713	Truck and bus bodies	5.4	5.3	3.9	3.9	3.7
3714	Motor vehicle parts and accessories	72.6	71.5	51.1	55.3	57.6
372	Aircraft and parts	116.1	116.8	117.7	120.0	120.7
3721	Aircraft	65.5	65.5	63.5	63.7	64.6
3724	Aircraft engines and engine parts	26.3	26.6	27.1	29.2	29.1
3728	Aircraft equipment, nec	24.3	24.7	27.1	27.1	27.0
373	Ship and boat building and repairing	25.0	24.6	20.0	20.2	21.1
3731	Ship building and repairing	17.2	16.7	14.8	14.6	15.3
374	Railroad equipment	6.7	6.9	6.4	6.4	6.2
376	Guided missiles, space vehicles, parts	21.8	22.0	25.2	25.2	25.3
3761	Guided missiles and space vehicles	18.1	18.3	20.9	20.9	21.0
379	Miscellaneous transportation equipment	10.0	10.2	9.8	10.2	11.0
INSTRUMENTS AND RELATED PRODUCTS						
38	Engineering and scientific instruments	294.4	296.5	294.2	294.2	295.5
381	Engineering and scientific instruments	22.9	23.3	24.4	24.5	24.5
382	Measuring and controlling devices	103.6	104.1	100.8	101.3	101.9
3822	Environmental controls	25.1	25.3	21.9	22.5	22.9
3823	Process control instruments	16.2	16.9	17.5	17.4	17.8
3825	Instruments to measure electricity	45.0	44.6	45.3	45.3	45.2
383	Optical instruments and lenses	11.9	12.2	11.9	11.8	11.9
384	Medical instruments and supplies	73.9	75.3	78.3	78.4	78.7
3841	Surgical and medical instruments	33.9	34.4	36.5	36.8	36.8
3842	Surgical appliances and supplies	32.5	33.1	33.9	33.8	34.0
385	Ophthalmic goods	26.7	26.8	26.8	26.7	27.0
386	Photographic equipment and supplies	37.0	37.2	39.0	38.3	38.4
387	Watches, clocks, and watchcases	18.4	17.6	13.0	13.2	13.1
MISCELLANEOUS MANUFACTURING INDUSTRIES						
39	Jewelry, silverware, and plated ware	219.6	221.8	195.5	199.5	200.4
391	Jewelry, silverware, and plated ware	28.5	28.8	25.6	26.7	27.8
393	Musical instruments	10.4	10.5	8.8	9.0	9.1
394	Toys and sporting goods	71.5	73.1	61.6	62.9	62.2
3942, 4	Dolls, games, toys, and children's vehicles	40.2	41.5	34.1	34.6	34.5
3949	Sporting and athletic goods, nec	31.3	31.6	27.5	28.3	27.7
395	Pens, pencils, office and art supplies	21.8	21.7	21.1	21.1	21.3
396	Costume jewelry and notions	34.0	34.0	29.5	30.3	31.0
399	Miscellaneous manufactures	53.4	53.7	48.9	49.5	49.0
NONDURABLE GOODS						
FOOD AND KINDRED PRODUCTS						
20	Meat products	568.1	542.9	553.1	554.9	527.0
201	Meat products	118.2	119.5	118.9	119.0	119.0
2011	Meat packing plants	28.2	28.3	29.4	29.2	29.6
2013	Sausages and other prepared meats	20.9	21.0	20.8	20.8	20.3
2016	Poultry dressing plants	61.1	61.6	61.7	61.6	60.9
202	Dairy products	38.0	37.7	38.6	38.2	37.9
2026	Fluid milk	18.2	18.2	18.6	18.3	18.2
203	Preserved fruits and vegetables	159.2	125.2	142.7	145.1	112.2
2032	Canned specialties	9.3	8.9	8.7	9.4	9.0
2033	Canned fruits and vegetables	85.7	52.3	80.5	82.6	49.4
2037	Frozen fruits and vegetables	26.3	26.2	19.4	18.8	20.0
204	Grain mill products	28.2	28.4	29.4	29.6	29.2
205	Bakery products	61.9	63.0	60.5	60.4	60.5
2051	Bread, cake, and related products	41.3	41.4	39.9	39.4	39.3
2052	Cookies and crackers	20.6	21.6	20.6	21.0	21.2
206	Sugar and confectionery products	45.2	49.4	41.2	42.9	47.5
207	Fats and oils	5.8	5.9	5.9	5.7	5.9
208	Beverages	40.1	40.9	41.3	40.4	41.7
2082	Malt beverages	6.9	6.8	8.0	7.9	7.8
2086	Bottled and canned soft drinks	18.1	18.2	19.3	19.2	19.0
209	Misc. foods and kindred products	71.5	72.9	74.6	73.6	73.1
TOBACCO MANUFACTURES						
21	Cigarettes	29.5	29.9	25.6	28.2	28.9
211	Cigarettes	14.1	14.1	13.4	13.6	13.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
22	TEXTILE MILL PRODUCTS	421.8	422.2	406.7	406.8	407.5
221	Weaving mills, cotton	65.7	65.9	65.3	65.3	64.8
222	Weaving mills, synthetics	50.2	50.7	47.9	48.5	48.5
223	Weaving and finishing mills, wool	7.8	7.8	6.9	6.8	6.8
224	Narrow fabric mills	15.1	15.2	14.1	14.2	14.5
225	Knitting mills	147.9	147.4	147.9	146.9	146.9
2251	Women's hosiery, except socks	24.6	25.0	23.9	23.8	23.4
2252	Hosiery, nec	23.2	23.2	24.0	23.8	24.0
2253	Knit outerwear mills	52.5	52.1	54.0	53.2	53.8
2254	Knit underwear mills	24.4	24.2	24.0	24.2	24.2
2257	Circular knit fabric mills	13.0	12.9	12.2	12.1	12.0
226	Textile finishing, except wool	23.3	23.6	21.6	21.5	21.5
2261	Finishing plants, cotton	9.5	9.7	9.2	9.1	9.1
2262	Finishing plants, synthetic	6.8	6.8	6.3	6.2	6.3
227	Floor covering mills	24.6	24.2	21.8	22.0	21.7
228	Yarn and thread mills	66.4	66.5	63.0	62.9	63.8
2281	Yarn mills, except wool	41.0	41.1	39.7	39.4	40.1
2282	Throwing and winding mills	15.0	15.0	13.5	13.6	13.8
229	Miscellaneous textile goods	20.8	20.9	18.2	18.7	19.0
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,060.2	1,067.6	1,048.0	1,054.3	1,052.3
231	Men's and boys' suits and coats	60.5	59.8	61.7	61.3	61.5
232	Men's and boys' furnishings	310.0	311.7	318.4	313.8	310.6
2321	Men's and boys' shirts and nightwear	92.4	92.1	91.0	89.9	89.0
2327	Men's and boys' separate trousers	64.9	65.6	66.1	65.9	66.3
2328	Men's and boys' work clothing	84.6	86.0	90.8	89.3	87.4
233	Women's and misses' outerwear	370.4	374.8	366.8	371.4	370.5
2331	Women's and misses' blouses and waists	54.6	55.4	53.5	54.4	55.2
2335	Women's and misses' dresses	138.4	138.5	134.9	135.3	132.5
2337	Women's and misses' suits and coats	53.5	53.7	55.1	55.1	53.3
2339	Women's and misses' outerwear, nec	123.9	127.2	123.3	126.6	129.5
234	Women's and children's undergarments	80.9	80.7	76.5	77.7	77.7
2341	Women's and children's underwear	65.5	65.4	62.9	63.8	63.7
2342	Brassieres and allied garments	15.4	15.3	13.6	13.9	14.0
236	Children's outerwear	55.3	54.6	51.7	53.5	54.3
2361	Children's dresses and blouses	23.1	23.5	20.7	21.7	22.2
238	Misc. apparel and accessories	46.5	46.2	44.3	44.9	44.7
239	Misc. fabricated textile products	122.5	125.7	114.4	117.5	119.0
2391	Curtains and draperies	23.9	24.4	21.8	21.8	22.4
2392	House furnishings, nec	34.3	35.2	32.3	33.0	33.3
2396	Automotive and apparel trimmings	18.1	18.8	17.2	18.8	19.4
26	PAPER AND ALLIED PRODUCTS	162.8	163.3	157.5	157.2	158.5
261, 2, 6	Paper and pulp mills	27.5	27.8	28.6	27.7	28.0
262	Paper mills, except building paper	24.6	24.6	25.6	24.8	25.1
263	Paperboard mills	5.8	5.8	5.9	5.9	5.9
264	Misc. converted paper products	78.0	77.7	74.1	74.1	74.8
265	Paperboard containers and boxes	51.5	52.0	48.9	49.5	49.8
27	PRINTING AND PUBLISHING	486.2	491.1	499.1	500.9	502.7
271	Newspapers	154.5	156.7	162.4	162.2	163.7
272	Periodicals	49.4	49.8	50.5	50.1	50.5
273	Books	53.4	53.7	54.6	53.8	53.8
274	Miscellaneous publishing	24.2	24.3	25.8	25.5	25.0
275	Commercial printing	130.5	131.6	131.1	134.7	135.6
2751	Commercial printing, letterpress	56.8	57.1	55.7	57.1	57.5
2752	Commercial printing, lithographic	68.1	68.8	69.6	71.6	72.1
276	Manifold business forms	15.3	15.2	14.9	14.9	14.9
278	Blankbooks and bookbinding	34.3	34.9	34.0	34.0	33.2
279	Printing trade services	9.9	10.1	11.0	11.0	11.2
28	CHEMICALS AND ALLIED PRODUCTS	274.2	275.5	279.9	279.8	280.1
281	Industrial inorganic chemicals	24.0	23.9	25.2	24.8	24.9
2819	Industrial inorganic chemicals, nec	16.0	15.9	16.8	16.6	16.7
282	Plastics materials and synthetics	44.5	44.4	41.7	41.8	41.9
2821	Plastics materials and resins	11.3	11.4	11.7	11.8	11.8
2824	Organic fibers, noncellulosic	26.6	26.4	23.6	23.7	23.9
283	Drugs	79.8	80.0	84.3	84.1	84.4
2834	Pharmaceutical preparations	67.9	68.0	71.3	71.2	71.5
284	Soap, cleaners, and toilet goods	57.4	58.1	57.5	58.8	58.5
2841	Soap and other detergents	9.3	9.2	9.3	9.5	9.3
2844	Toilet preparations	35.2	36.0	34.8	36.2	36.1
285	Paints and allied products	13.0	13.0	12.8	12.8	12.7
286	Industrial organic chemicals	25.4	25.6	26.7	26.1	26.0
2861, 9	Gum, wood, and industrial organic chemicals, nec	20.4	20.5	22.0	21.5	21.4
287	Agricultural chemicals	10.2	10.1	10.7	10.6	10.5
289	Miscellaneous chemical products	19.9	20.4	21.0	20.8	21.2

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
29	PETROLEUM AND COAL PRODUCTS	27.0	27.3	28.6	28.4	28.2
291	Petroleum refining	21.8	22.0	23.4	23.2	23.0
30	RUBBER AND MISC. PLASTICS PRODUCTS	272.4	273.8	235.2	243.3	246.6
301	Tires and inner tubes	11.5	11.4	9.1	9.2	9.3
302	Rubber and plastics footwear	13.1	13.3	13.8	14.5	13.9
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.5	6.4	4.8	5.0	5.3
306	Fabricated rubber products, nec	41.0	41.0	34.0	35.6	36.0
307	Miscellaneous plastics products	200.3	201.7	173.5	179.0	182.1
31	LEATHER AND LEATHER PRODUCTS	151.1	151.3	146.5	145.6	144.6
311	Leather tanning and finishing	2.7	2.7	2.7	2.6	2.7
314	Footwear, except rubber	59.0	58.3	101.2	99.8	99.7
3143	Men's footwear, except athletic	35.2	34.7	36.6	36.7	37.1
3144	Women's footwear, except athletic	42.2	41.7	40.4	39.1	38.4
316	Luggage	9.7	10.1	7.6	7.9	7.7
317	Handbags and personal leather goods	24.9	25.3	21.7	21.9	21.2
-	TRANSPORTATION AND PUBLIC UTILITIES	1,263	1,267	1,279	1,299	1,320
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	67.3	66.7	40.8	69.5	71.8
411	Local and suburban transportation	12.1	12.3	13.4	15.2	15.2
412	Taxicabs	7.2	7.2	7.0	7.3	7.6
413	Intercity highway transportation	5.2	5.1	5.7	5.8	5.6
415	School buses	40.2	39.6	12.5	38.6	40.8
42	TRUCKING AND WAREHOUSING	154.5	156.3	151.9	150.6	154.2
421,3	Trucking and trucking terminals	137.2	137.3	136.0	133.9	135.4
422	Public warehousing	17.3	19.0	15.9	16.7	18.8
44	WATER TRANSPORTATION	20.7	20.2	21.0	20.5	20.1
45	TRANSPORTATION BY AIR	141.3	142.6	149.7	147.7	146.2
451,2	Air transportation	133.5	134.7	141.2	139.3	137.8
46	PIPE LINES, EXCEPT NATURAL GAS	2.3	2.2	2.6	2.6	2.6
47	TRANSPORTATION SERVICES	89.2	90.1	90.8	90.2	90.5
48	COMMUNICATION	620.6	621.1	640.8	638.4	642.6
481	Telephone communication	543.3	542.8	556.6	553.7	556.4
483	Radio and television broadcasting	59.9	60.4	64.9	65.5	66.5
49	ELECTRIC, GAS, AND SANITARY SERVICES	143.6	144.2	157.6	156.2	157.0
491	Electric services	65.1	65.6	72.9	73.0	73.8
492	Gas production and distribution	35.6	35.3	37.9	37.2	37.2
493	Combination utility services	33.2	33.4	35.8	35.2	35.2
495	Sanitary services	5.0	5.2	6.0	6.1	6.0
-	WHOLESALE AND RETAIL TRADE	8,832	8,887	8,953	9,061	9,077
50,51	WHOLESALE TRADE	1,333	1,347	1,362	1,375	1,392
50	WHOLESALE TRADE-DURABLE GOODS	739	743	751	754	759
501	Motor vehicles and automotive equipment	96.2	95.9	91.0	90.5	91.1
502	Furniture and home furnishings	41.0	41.4	44.2	44.3	44.5
503	Lumber and construction materials	33.8	34.2	34.6	34.7	35.0
504	Sporting goods, toys, and hobby goods	24.0	24.5	24.1	24.4	25.0
505	Metals and minerals, except petroleum	28.0	28.5	28.9	28.7	28.9
506	Electrical goods	113.5	114.1	117.1	117.2	117.5
507	Hardware, plumbing, and heating equipment	68.6	68.9	65.7	65.6	65.8
508	Machinery, equipment, and supplies	284.4	285.7	297.8	299.7	301.6
509	Miscellaneous durable goods	49.3	49.3	48.0	48.6	49.6
51	WHOLESALE TRADE-NONDURABLE GOODS	594	604	611	621	633
511	Paper and paper products	42.3	43.3	45.4	45.6	46.4
512	Drugs, proprietaries, and sundries	65.3	66.7	66.3	66.6	67.9
513	Apparel, piece goods, and notions	83.7	85.1	86.8	87.1	88.8
514	Groceries and related products	149.7	148.3	159.0	162.4	162.6
516	Chemicals and allied products	31.6	31.8	33.6	33.7	33.8
517	Petroleum and petroleum products	49.8	50.4	56.1	55.0	55.8
518	Beer, wine, and distilled beverages	20.5	20.9	20.7	20.9	21.1
519	Miscellaneous nondurable goods	114.6	117.8	114.0	116.2	116.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
52-59	RETAIL TRADE	7,499	7,540	7,591	7,686	7,685
52	BUILDING MATERIALS AND GARDEN SUPPLIES	156.5	159.9	158.8	160.5	160.9
521	Lumber and other building materials	64.0	64.7	65.3	65.7	65.7
525	Hardware stores	54.2	55.7	56.6	56.7	56.7
53	GENERAL MERCHANDISE STORES	1,503.5	1,530.2	1,442.0	1,456.8	1,490.1
531	Department stores	1,193.0	1,220.4	1,143.7	1,158.4	1,191.9
533	Variety stores	215.2	215.8	204.4	205.5	205.3
539	Misc. general merchandise stores	55.3	94.0	93.9	92.9	92.9
54	FOOD STORES	963.7	980.2	1,020.7	1,032.4	1,036.6
541	Grocery stores	805.8	819.3	858.5	868.6	871.9
542	Meat markets and freezer provisioners	17.3	17.2	16.3	16.5	16.8
546	Retail bakeries	75.9	77.1	78.7	80.3	79.3
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	317.4	319.4	324.3	322.5	321.6
551,2	New and used car dealers	123.7	124.7	114.5	114.8	115.1
553	Auto and home supply stores	49.9	49.9	51.3	50.5	49.7
554	Gasoline service stations	126.4	127.6	139.9	139.3	139.3
56	APPAREL AND ACCESSORY STORES	651.1	668.6	658.4	669.1	680.3
561	Men's and boys' clothing and furnishings	60.7	61.2	59.2	60.0	60.3
562	Women's ready-to-wear stores	310.0	317.5	308.5	315.5	324.4
565	Family clothing stores	130.7	134.3	139.3	138.7	140.8
566	Shoe stores	75.5	79.1	76.0	77.7	76.9
57	FURNITURE AND HOME FURNISHING STORES	201.2	203.2	195.1	201.3	203.5
571	Furniture and home furnishings	132.5	133.7	131.4	133.7	134.2
572	Household appliance stores	23.2	23.4	22.1	22.6	22.8
573	Radio, television, and music stores	45.5	46.1	41.6	45.0	46.5
58	EATING AND DRINKING PLACES	2,709.8	2,659.8	2,794.6	2,819.1	2,742.5
59	MISCELLANEOUS RETAIL	995.5	1,019.1	997.2	1,024.0	1,049.4
591	Drug stores and proprietary stores	304.5	307.8	310.8	315.5	317.9
592	Liquor stores	33.3	33.2	32.0	31.7	32.4
594	Miscellaneous shopping goods stores	342.6	348.8	348.7	359.4	369.2
596	Nonstore retailers	158.9	169.0	148.0	158.1	165.8
598	Fuel and ice dealers	22.8	23.7	22.9	23.1	23.9
599	Retail stores, nec	112.4	115.6	114.5	115.7	120.0
-	FINANCE, INSURANCE, AND REAL ESTATE	2,908	2,927	3,062	3,045	3,061
60	BANKING	1,055.3	1,059.3	1,105.0	1,096.8	1,100.9
602	Commercial and stock savings banks	972.2	975.9	1,017.0	1,009.4	1,012.9
61	CREDIT AGENCIES OTHER THAN BANKS	361.6	367.4	370.7	370.3	374.1
612	Savings and loan associations	173.4	174.5	178.7	179.3	182.4
614	Personal credit institutions	119.2	124.1	123.8	123.3	125.9
62	SECURITY, COMMODITY BROKERS, AND SERVICES	79.2	79.7	89.4	89.2	90.8
621	Security brokers and dealers	62.4	62.9	70.3	70.4	71.4
63	INSURANCE CARRIERS	721.7	725.0	759.0	756.7	757.5
631	Life insurance	270.6	272.7	300.3	299.1	299.3
632	Medical service and health insurance	98.4	99.1	103.1	103.2	102.6
633	Fire, marine, and casualty insurance	301.3	301.5	310.2	308.4	308.7
64	INSURANCE AGENTS, BROKERS, AND SERVICE	264.4	266.8	284.7	284.5	286.2
65	REAL ESTATE	353.0	354.3	374.0	368.4	371.7
651	Real estate operators and lessors	135.5	135.6	146.1	143.7	146.1
653	Real estate agents and managers	169.3	170.0	176.9	174.0	175.0
655	Subdividers and developers	31.7	31.9	36.3	35.8	35.8
66	COMBINED REAL ESTATE, INSURANCE, ETC	14.5	14.4	14.9	14.9	14.8
67	HOLDING AND OTHER INVESTMENT OFFICES	58.7	59.6	64.5	64.2	64.6
-	SERVICES	10,000	10,066	10,456	10,509	10,564
70	HOTELS AND OTHER LODGING PLACES	598.8	571.2	666.5	622.0	581.8
701	Hotels, motels, and tourist courts	576.2	551.0	621.4	597.7	563.1

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

(In thousands)

1972 SIC Code	Industry	Sept. 1979	Oct. 1979	Aug. 1980	Sept. 1980	Oct. 1980
72	PERSONAL SERVICES	620.3	621.9	624.0	627.5	634.3
721	Laundry, cleaning, and garment services	223.8	225.0	221.8	222.3	224.4
723	Beauty shops	264.6	262.6	260.9	262.4	262.1
726	Funeral service and crematories	18.7	18.7	19.5	19.1	19.5
73	BUSINESS SERVICES	1,269.0	1,288.0	1,280.8	1,307.4	1,318.5
731	Advertising	68.1	68.4	69.1	69.4	69.8
732	Credit reporting and collection	56.4	56.5	50.9	50.8	51.2
733	Mailing, reproduction, stenographic	55.8	57.2	60.5	62.3	63.9
734	Services to buildings	189.2	188.9	188.2	189.4	190.6
736	Personnel supply services	311.9	319.3	311.6	325.0	322.6
737	Computer and data processing services	127.9	130.8	134.2	135.4	138.5
75	AUTO REPAIR, SERVICES, AND GARAGES	95.8	96.6	97.2	97.5	98.5
753	Automotive repair shops	42.3	42.7	42.7	42.3	42.9
76	MISCELLANEOUS REPAIR SERVICES	59.6	60.8	61.8	61.9	63.9
78	MOTION PICTURES	86.6	82.4	82.5	78.4	74.8
781	Motion picture production and services	26.2	26.1	18.4	18.1	19.6
783	Motion picture theaters	54.7	50.6	58.4	54.6	49.7
79	AMUSEMENT AND RECREATION SERVICES	267.8	255.3	334.6	311.8	270.8
80	HEALTH SERVICES	4,065.0	4,102.9	4,299.4	4,300.4	4,319.1
801	Offices of physicians	567.2	573.2	595.9	596.4	596.1
802	Offices of dentists	278.2	279.1	292.4	295.9	293.1
805	Nursing and personal care facilities	855.9	854.0	899.8	896.5	900.5
806	Hospitals	2,114.4	2,124.8	2,221.7	2,222.3	2,235.1
81	LEGAL SERVICES	324.5	327.1	344.1	340.9	346.9
82	EDUCATIONAL SERVICES	532.9	596.1	490.3	573.4	635.5
821	Elementary and secondary schools	157.4	165.0	144.3	174.7	182.1
822	Colleges and universities	311.2	363.7	279.0	331.0	383.9
83	SOCIAL SERVICES	798.4	809.7	860.3	866.4	878.0
89	MISCELLANEOUS SERVICES	290.2	292.5	325.5	321.1	325.7
891	Engineering and architectural services	166.0	106.9	118.7	118.1	118.9
893	Accounting, auditing, and bookkeeping	129.5	130.3	144.8	143.5	146.9
	GOVERNMENT	7,221	7,580	6,932	7,522	7,833
	FEDERAL GOVERNMENT	851	855	906	867	875
	STATE AND LOCAL GOVERNMENT	6,370	6,725	6,026	6,655	6,958
	State government	1,554.7	1,645.8	1,509.9	1,587.8	1,661.8
	Hospitals	325.0	323.6	347.2	343.9	346.1
	State education	603.0	703.9	537.2	623.8	700.3
	General administration including executive, legislative, and judicial functions	422.9	419.6	415.7	413.6	410.3
	Local government	4,815.4	5,079.2	4,516.3	5,067.5	5,295.8
	Transportation and public utilities	50.8	91.3	99.7	98.4	99.8
	Hospitals	452.8	454.5	481.4	481.4	480.8
	Local education	3,056.0	3,345.9	2,559.3	3,203.2	3,485.9
	General administration including executive, legislative, and judicial functions	990.9	971.1	1,119.7	1,041.4	995.0

**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	1979					1980							
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL	90,678	91,031	91,186	91,144	90,951	90,468	90,047	89,867	90,142	90,384	90,710	90,917	91,122
GOODS-PRODUCING	26,590	26,715	26,623	26,476	26,121	25,745	25,422	25,163	25,312	25,476	25,636	25,804	25,916
MINING	992	999	1,007	1,009	1,012	1,023	1,029	1,013	1,013	1,028	1,037	1,054	1,070
CONSTRUCTION	4,615	4,745	4,659	4,529	4,467	4,436	4,379	4,322	4,359	4,404	4,442	4,468	4,497
MANUFACTURING	20,983	20,971	20,957	20,938	20,642	20,286	20,014	19,828	19,940	20,044	20,157	20,282	20,349
DURABLE GOODS	12,706	12,681	12,715	12,707	12,442	12,140	11,947	11,819	11,860	11,955	12,043	12,147	12,185
Lumber and wood products	746	743	745	737	689	654	648	650	662	674	677	683	685
Furniture and fixtures	497	497	495	494	491	472	461	449	456	464	466	468	472
Stone, clay, and glass products	704	705	705	700	680	663	647	641	648	655	656	661	660
Primary metal industries	1,219	1,215	1,214	1,209	1,193	1,144	1,096	1,049	1,059	1,074	1,096	1,116	1,129
Fabricated metal products	1,718	1,707	1,711	1,711	1,678	1,620	1,584	1,551	1,569	1,587	1,595	1,606	1,609
Machinery, except electrical	2,459	2,532	2,529	2,530	2,518	2,517	2,476	2,448	2,437	2,452	2,469	2,475	2,476
Electric and electronic equipment	2,163	2,169	2,168	2,176	2,167	2,127	2,094	2,079	2,083	2,091	2,107	2,124	2,138
Transportation equipment	2,057	1,970	2,006	2,006	1,885	1,819	1,831	1,839	1,840	1,851	1,873	1,902	1,896
Instruments and related products	698	699	702	705	703	700	696	698	697	697	697	702	705
Miscellaneous manufacturing ind.	445	444	440	439	438	424	414	415	409	410	407	410	415
NONDURABLE GOODS	8,277	8,290	8,242	8,231	8,200	8,146	8,067	8,009	8,080	8,089	8,114	8,135	8,164
Food and kindred products	1,724	1,716	1,713	1,704	1,690	1,691	1,677	1,683	1,690	1,672	1,682	1,681	1,672
Tobacco manufactures	66	67	68	68	69	70	71	69	67	68	69	71	67
Textile mill products	889	888	888	888	884	869	843	833	851	851	856	857	860
Apparel and other textile products	1,296	1,305	1,313	1,316	1,302	1,291	1,287	1,276	1,296	1,299	1,292	1,294	1,302
Paper and allied products	708	710	709	708	702	692	685	680	682	686	690	692	696
Printing and publishing	1,261	1,269	1,273	1,274	1,272	1,268	1,269	1,266	1,266	1,269	1,272	1,277	1,290
Chemicals and allied products	1,118	1,121	1,121	1,123	1,123	1,120	1,112	1,103	1,100	1,104	1,105	1,109	1,115
Petroleum and coal products	213	214	161	157	175	203	205	207	208	208	209	209	209
Rubber and misc. plastic products	756	755	751	749	740	703	681	663	680	692	699	705	714
Leather and leather products	246	245	245	244	243	239	237	229	240	240	240	240	239
SERVICE-PRODUCING	64,088	64,316	64,563	64,668	64,830	64,723	64,625	64,704	64,830	64,908	65,074	65,113	65,206
TRANSPORTATION AND PUBLIC UTILITIES	5,212	5,202	5,198	5,202	5,178	5,167	5,134	5,114	5,129	5,124	5,147	5,133	5,135
WHOLESALE AND RETAIL TRADE	20,448	20,529	20,637	20,610	20,531	20,487	20,459	20,506	20,589	20,620	20,641	20,647	20,626
WHOLESALE TRADE	5,251	5,278	5,302	5,301	5,286	5,268	5,245	5,247	5,263	5,280	5,292	5,297	5,302
RETAIL TRADE	15,197	15,251	15,335	15,309	15,245	15,219	15,214	15,259	15,326	15,340	15,349	15,350	15,324
FINANCE, INSURANCE, AND REAL ESTATE	5,064	5,091	5,101	5,115	5,119	5,137	5,150	5,167	5,180	5,194	5,214	5,227	5,240
SERVICES	17,362	17,462	17,540	17,580	17,618	17,659	17,652	17,760	17,788	17,861	17,913	17,951	18,025
GOVERNMENT	16,002	16,032	16,087	16,161	16,384	16,273	16,230	16,157	16,144	16,109	16,159	16,155	16,180
FEDERAL	2,773	2,791	2,826	2,886	3,115	2,960	2,951	2,833	2,828	2,765	2,788	2,793	2,808
STATE AND LOCAL	13,229	13,241	13,261	13,275	13,269	13,313	13,279	13,326	13,316	13,344	13,371	13,362	13,372

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	1979			1980									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
TOTAL	37,521	37,693	37,739	37,941	38,139	38,157	38,213	38,059	37,997	38,069	38,235	38,397	38,469
GOODS-PRODUCING	6,965	6,967	6,990	7,010	7,017	7,025	6,965	6,832	6,742	6,699	6,728	6,761	6,797
MINING	94	95	95	95	97	99	100	102	105	106	107	107	107
CONSTRUCTION	367	371	373	375	377	380	382	382	380	381	384	387	390
MANUFACTURING	6,504	6,501	6,522	6,540	6,543	6,546	6,483	6,348	6,257	6,212	6,237	6,267	6,300
DURABLE GOODS	3,119	3,120	3,136	3,140	3,141	3,148	3,103	3,008	2,954	2,930	2,922	2,955	2,982
Lumber and wood products	116	113	112	111	112	112	104	98	95	95	99	101	101
Furnitures and fixtures	147	147	147	147	146	146	146	140	136	133	135	137	138
Stone, clay, and glass products	134	134	135	135	135	135	132	127	124	122	123	125	126
Primary metal industries	134	134	133	132	132	132	131	123	121	116	116	120	122
Fabricated metal products	361	362	362	362	362	361	352	334	323	320	326	330	333
Machinery, except electrical	483	486	489	500	501	503	500	495	492	487	482	488	493
Electric and electronic equipment	916	918	929	932	933	937	931	906	888	880	876	879	887
Transportation equipment	322	320	320	311	310	311	298	286	286	286	280	290	297
Instruments and related products	296	296	297	298	300	302	301	298	294	296	294	294	295
Miscellaneous manufacturing ind.	210	210	212	212	210	209	208	201	195	195	191	191	190
NONDURABLE GOODS	3,385	3,381	3,386	3,400	3,402	3,398	3,380	3,340	3,303	3,282	3,315	3,312	3,318
Food and kindred products	512	510	511	510	509	503	500	499	491	492	499	488	498
Tobacco manufactures	26	23	23	24	24	24	25	25	25	25	24	25	25
Textile mill products	420	422	424	423	424	424	422	415	401	397	405	404	405
Apparel and other textile products	1,055	1,050	1,050	1,059	1,064	1,066	1,056	1,047	1,042	1,039	1,046	1,046	1,040
Paper and allied products	162	161	161	162	162	162	162	159	156	155	155	156	157
Printing and publishing	490	494	496	500	502	503	502	501	502	500	500	502	502
Chemicals and allied products	274	276	278	278	280	280	280	278	278	277	276	277	278
Petroleum and coal products	27	27	28	28	23	23	24	27	28	29	29	28	28
Rubber and misc. plastics products	269	268	266	267	265	264	261	244	236	231	237	241	242
Leather and leather products	150	150	149	149	149	149	148	145	144	137	144	145	143
SERVICE-PRODUCING	30,556	30,726	30,749	30,931	31,122	31,132	31,248	31,227	31,255	31,370	31,507	31,636	31,672
TRANSPORTATION AND PUBLIC UTILITIES	1,262	1,274	1,273	1,273	1,280	1,283	1,286	1,290	1,286	1,286	1,291	1,294	1,315
WHOLESALE AND RETAIL TRADE	8,842	8,875	8,846	8,926	8,995	8,973	8,947	8,943	8,981	8,976	9,008	9,034	9,032
WHOLESALE TRADE	1,333	1,341	1,343	1,351	1,361	1,365	1,363	1,365	1,361	1,367	1,363	1,371	1,378
RETAIL TRADE	7,509	7,534	7,503	7,575	7,634	7,608	7,584	7,578	7,620	7,609	7,645	7,663	7,654
FINANCE, INSURANCE, AND REAL ESTATE	2,930	2,941	2,952	2,982	3,001	3,008	3,018	3,023	3,018	3,035	3,038	3,048	3,064
SERVICES	10,031	10,063	10,094	10,150	10,225	10,217	10,261	10,303	10,306	10,412	10,435	10,499	10,522
GOVERNMENT	7,491	7,573	7,584	7,600	7,621	7,651	7,736	7,668	7,664	7,661	7,735	7,761	7,739
FEDERAL	864	863	869	873	885	912	1,000	941	936	914	895	879	884
STATE AND LOCAL	6,627	6,710	6,715	6,727	6,736	6,739	6,736	6,727	6,728	6,747	6,840	6,882	6,855

¹ 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.

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	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^P	Dec. ^P
TOTAL PRIVATE	60,958	61,206	61,308	61,124	60,725	60,325	59,964	59,888	60,136	60,363	60,567	60,755	60,863
GOODS-PRODUCING	19,382	19,471	19,371	19,181	18,814	18,438	18,144	17,901	18,035	18,181	18,313	18,458	18,547
MINING	740	746	750	750	755	764	770	757	753	766	772	784	793
CONSTRUCTION	3,686	3,814	3,750	3,581	3,509	3,488	3,443	3,385	3,410	3,443	3,476	3,494	3,517
MANUFACTURING	14,956	14,911	14,871	14,850	14,550	14,186	13,931	13,759	13,872	13,972	14,065	14,180	14,237
DURABLE GOODS	9,009	8,953	8,967	8,961	8,686	8,386	8,205	8,084	8,123	8,212	8,288	8,381	8,407
Lumber and wood products	633	629	629	621	577	544	538	542	553	563	566	571	573
Furniture and fixtures	405	404	403	401	398	380	369	359	366	374	376	377	382
Stone, clay, and glass products	553	554	553	549	530	513	498	492	498	505	506	512	511
Primary metal industries	952	948	945	941	924	877	832	793	802	817	838	856	871
Fabricated metal products	1,293	1,282	1,286	1,286	1,252	1,195	1,166	1,136	1,152	1,170	1,178	1,188	1,191
Machinery, except electrical	1,606	1,659	1,649	1,649	1,630	1,622	1,586	1,561	1,551	1,568	1,578	1,578	1,571
Electric and electronic equipment	1,409	1,414	1,408	1,413	1,400	1,358	1,320	1,305	1,309	1,315	1,323	1,339	1,348
Transportation equipment	1,397	1,304	1,336	1,339	1,220	1,159	1,172	1,172	1,171	1,181	1,267	1,239	1,231
Instruments and related products	421	421	423	427	423	419	415	414	415	414	414	416	419
Miscellaneous manufacturing ind.	340	338	335	335	332	319	309	310	306	305	302	305	310
NONDURABLE GOODS	5,947	5,958	5,904	5,889	5,864	5,800	5,726	5,675	5,749	5,760	5,777	5,799	5,830
Food and kindred products	1,188	1,182	1,177	1,169	1,157	1,157	1,143	1,149	1,157	1,140	1,149	1,150	1,142
Tobacco manufactures	52	53	53	53	54	55	55	54	52	54	54	55	51
Textile mill products	776	776	775	775	771	756	731	721	739	740	743	745	748
Apparel and other textile products	1,108	1,117	1,123	1,126	1,111	1,100	1,097	1,093	1,107	1,108	1,104	1,107	1,114
Paper and allied products	537	539	538	537	532	522	515	509	512	515	519	522	527
Printing and publishing	714	718	719	717	715	709	711	708	710	714	712	715	726
Chemicals and allied products	637	639	637	636	637	632	625	616	615	619	619	623	629
Petroleum and coal products	138	139	91	88	109	131	131	132	133	133	133	133	137
Rubber and misc. plastics products	589	588	584	582	573	537	518	502	521	533	540	545	554
Leather and leather products	208	207	207	206	205	201	200	191	203	204	204	204	202
SERVICE-PRODUCING	41,576	41,735	41,937	41,943	41,911	41,887	41,820	41,987	42,101	42,182	42,254	42,297	42,316
TRANSPORTATION AND PUBLIC UTILITIES	4,361	4,347	4,346	4,345	4,329	4,314	4,282	4,260	4,272	4,276	4,256	4,280	4,285
WHOLESALE AND RETAIL TRADE ..	17,970	18,028	18,138	18,098	18,029	17,975	17,936	17,984	18,046	18,074	18,099	18,091	18,051
WHOLESALE TRADE	4,318	4,332	4,348	4,347	4,334	4,308	4,284	4,288	4,297	4,307	4,317	4,316	4,324
RETAIL TRADE	13,652	13,696	13,790	13,751	13,695	13,667	13,652	13,696	13,749	13,767	13,782	13,775	13,727
FINANCE, INSURANCE, AND REAL ESTATE	3,822	3,844	3,860	3,869	3,873	3,893	3,898	3,917	3,926	3,930	3,940	3,947	3,962
SERVICES	15,423	15,516	15,593	15,631	15,680	15,705	15,704	15,826	15,857	15,902	15,919	15,979	16,018

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

p=preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1977				
January.....	72.4	78.5	86.0	79.1
February.....	66.9	84.3	85.8	80.8
March.....	73.5	83.1	84.9	82.3
April.....	72.4	83.4	80.8	83.4
May.....	71.2	76.2	80.2	85.2
June.....	65.1	71.2	77.9	86.0
July.....	64.0	67.7	74.1	84.9
August.....	60.5	72.1	76.7	82.6
September.....	70.1	72.1	79.1	82.3
October.....	65.1	77.6	81.4	82.6
November.....	71.8	78.5	84.6	80.8
December.....	75.0	78.2	82.0	81.7
1978				
January.....	68.6	80.8	82.3	79.7
February.....	68.6	77.3	82.8	82.3
March.....	71.8	80.2	79.9	81.1
April.....	69.8	74.7	74.7	84.6
May.....	61.9	73.0	75.3	83.7
June.....	64.2	66.6	74.7	82.6
July.....	61.0	68.0	73.3	81.1
August.....	67.7	70.1	77.6	79.9
September.....	67.2	74.1	80.5	79.1
October.....	68.0	78.2	82.0	74.1
November.....	75.3	81.1	79.1	76.7
December.....	74.7	81.7	78.2	74.4
1979				
January.....	66.9	75.9	74.7	73.3
February.....	66.3	70.3	71.8	70.6
March.....	62.2	64.0	64.0	69.2
April.....	49.7	60.2	60.5	67.7
May.....	58.1	54.7	53.8	63.4
June.....	57.8	59.9	51.5	58.4
July.....	57.0	53.8	58.1	59.6
August.....	54.4	52.0	55.5	54.9
September.....	52.9	57.6	55.2	50.6
October.....	65.1	61.9	59.3	46.5
November.....	55.2	61.9	63.1	39.5
December.....	53.5	57.3	56.4	37.8
1980				
January.....	60.2	57.6	45.3	33.4
February.....	54.9	52.6	36.9	33.1
March.....	45.9	39.2	32.3	35.2
April.....	34.6	29.1	24.7	33.1
May.....	28.8	25.0	26.7	36.9p
June.....	30.2	23.8	25.6	35.5p
July.....	36.3	34.9	32.3	
August.....	62.8	54.4	48.3p	
September.....	62.8	68.9	67.7p	
October.....	64.0	74.1p		
November.....	67.2p	71.2p		
December.....	63.7p			

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

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
1 ALABAMA	1,377.9	1,343.2	1,348.4	17.3	17.1	17.3	76.3	66.7	66.8	373.8	354.7	355.9
2 Birmingham	362.1	356.5	357.1	10.2	9.8	10.0	22.0	21.5	21.2	69.7	60.5	60.5
3 Huntsville	121.9	121.0	121.6	(1)	(1)	(1)	4.7	4.4	4.3	37.0	35.6	35.9
4 Mobile	150.0	147.8	149.8	(1)	(1)	(1)	12.2	9.7	10.0	30.3	29.0	29.4
5 Montgomery	109.6	104.7	104.9	(1)	(1)	(1)	9.6	6.7	6.6	16.3	15.8	16.0
6 Tuscaloosa	50.9	50.4	50.5	1.4	2.1	2.2	2.7	2.3	2.2	9.2	8.4	8.3
7 ALASKA	167.7	175.7	170.9	5.6	6.5	6.4	10.1	12.3	10.4	11.0	12.5	11.0
8 ARIZONA	1,005.8	1,000.0	1,016.5	22.9	15.0	23.3	82.2	72.5	72.9	149.2	153.6	155.0
9 Phoenix	631.1	632.7	637.7	.2	.4	.4	53.7	48.6	48.6	110.3	112.5	113.0
10 Tucson	181.7	182.6	186.0	7.3	5.1	6.6	15.8	13.8	14.1	18.9	21.5	21.8
11 ARKANSAS	759.9	760.9	755.5	4.8	4.8	4.7	40.0	36.7	34.6	215.5	210.4	207.4
12 Fayetteville—Springdale	66.2	66.6	66.6	(1)	(1)	(1)	3.3	3.1	3.0	19.8	19.3	19.3
13 Fort Smith	67.4	66.8	66.6	.8	.9	.9	3.0	3.0	2.8	23.0	21.4	21.2
14 Little Rock—North Little Rock	183.3	182.4	181.9	(1)	(1)	(1)	9.4	9.0	8.6	32.0	30.3	29.9
15 Pine Bluff	33.1	32.2	32.1	(1)	(1)	(1)	2.9	2.7	2.6	6.1	6.1	6.0
16 CALIFORNIA	9,816.5	9,755.3	9,824.2	39.9	40.8	40.9	477.8	406.3	401.3	2,022.3	1,986.3	1,980.6
17 Anaheim—Santa Ana—Garden Grove	826.9	840.4	847.6	2.2	2.2	2.2	51.7	47.9	47.8	220.4	219.6	220.4
18 Bakersfield	128.1	128.5	129.2	10.7	10.9	11.0	6.9	6.5	6.5	9.6	9.8	9.7
19 Fresno	185.3	188.1	188.3	.9	.9	.9	13.3	12.1	12.6	24.5	25.3	24.7
20 Los Angeles—Long Beach	3,671.9	3,639.6	3,668.7	12.1	12.7	12.8	122.2	108.9	104.9	945.0	919.0	922.7
21 Modesto	89.0	91.2	89.1	.1	.1	.1	7.0	5.9	5.8	18.9	20.5	18.3
22 Oxnard—Simi Valley—Ventura	148.3	150.4	150.8	2.4	2.4	2.4	9.0	8.2	8.2	24.3	24.5	24.0
23 Riverside—San Bernardino—Ontario	440.7	443.9	448.3	2.7	2.3	2.3	30.5	30.2	29.9	68.0	66.2	66.3
24 Sacramento	401.4	407.7	409.0	.4	.4	.4	25.4	22.4	21.8	27.1	28.2	27.6
25 Salinas—Seaside—Monterey	88.3	87.2	86.9	.6	.7	.7	3.8	2.9	2.8	9.6	9.2	8.7
26 San Diego	647.3	650.1	653.7	.7	.7	.7	40.7	38.3	38.4	104.1	104.1	104.8
27 San Francisco—Oakland	1,538.2	1,533.5	1,541.5	2.4	2.6	2.6	75.6	72.5	71.9	204.0	200.4	201.0
28 San Jose	654.1	666.8	668.4	.2	.2	.2	26.7	25.4	25.2	231.6	238.1	235.7
29 Santa Barbara—Santa Maria—Lompoc	121.7	121.8	122.1	1.2	1.2	1.2	5.4	5.2	5.2	16.8	16.5	16.3
30 Santa Rosa	91.4	90.7	90.7	.4	.4	.4	6.4	5.8	5.5	14.8	14.9	14.6
31 Stockton	119.0	122.9	120.3	.1	.1	.1	6.7	6.2	6.3	20.1	22.1	19.9
32 Vallejo—Fairfield—Napa	98.2	99.8	100.2	.3	.3	.3	5.2	5.0	5.0	10.3	10.9	10.4
33 COLORADO	1,247.8	1,262.7	1,263.7	31.5	33.6	33.7	86.4	81.4	79.8	183.6	185.3	184.2
34 Denver—Boulder	799.5	807.3	808.9	16.6	17.9	17.9	51.4	47.3	46.2	125.6	127.2	127.7
35 CONNECTICUT	1,422.7	1,405.4	1,411.2	(2)	(2)	(2)	54.2	50.3	49.7	437.8	425.7	426.1
36 Bridgeport	166.9	170.3	171.1	(2)	(2)	(2)	6.0	5.0	4.8	65.2	64.8	64.7
37 Hartford	394.5	400.7	401.9	(2)	(2)	(2)	13.7	12.4	11.9	97.1	98.9	98.9
38 New Britain	63.0	62.3	61.9	(2)	(2)	(2)	2.4	2.4	2.3	29.8	28.1	27.6
39 New Haven—West Haven	189.4	194.9	196.1	(2)	(2)	(2)	7.5	7.0	6.9	45.8	41.8	42.2
40 Stamford	107.4	109.4	110.2	(2)	(2)	(2)	5.0	4.7	4.7	31.1	31.5	31.6
41 Waterbury	90.6	87.5	88.1	(2)	(2)	(2)	3.7	3.2	3.2	34.1	30.9	31.0
42 DELAWARE	257.8	259.4	260.9	(1)	(1)	(1)	16.2	14.5	14.8	67.4	72.6	72.3
43 Wilmington	224.4	221.9	223.1	(1)	(1)	(1)	15.5	13.0	13.2	60.7	65.0	64.8
44 DISTRICT OF COLUMBIA	621.0	614.2	616.3	(1)	(1)	(1)	14.8	14.7	14.4	15.7	15.8	15.8
45 Washington SMSA	(*)	1,568.4	1,575.0	(1)	(1)	(1)	(*)	77.3	76.5	(*)	56.3	56.3
46 FLORIDA	3,463.5	3,545.6	3,587.7	10.0	10.2	10.2	261.3	278.1	280.6	448.2	442.2	447.8
47 Bradenton	42.3	41.6	42.4	-	-	-	3.3	2.9	2.8	7.1	7.0	7.2
48 Daytona Beach	73.2	75.6	75.5	(1)	(1)	(1)	4.9	5.1	5.2	8.0	8.3	8.2
49 Fort Lauderdale—Hollywood	325.9	328.7	331.0	(1)	(1)	(1)	28.8	30.0	30.1	40.8	40.9	41.1
50 Fort Myers—Cape Coral	61.6	61.7	62.4	(1)	(1)	(1)	8.2	8.4	8.2	4.0	3.8	3.9
51 Gainesville	65.1	64.5	64.7	(1)	(1)	(1)	4.0	4.2	4.1	3.8	3.7	3.6
52 Jacksonville	287.7	290.0	291.3	(1)	(1)	(1)	15.9	16.0	15.9	34.6	34.0	33.9
53 Lakeland—Winter Haven	114.0	111.2	114.3	5.7	5.7	5.7	8.5	9.0	9.1	21.6	20.2	21.9
54 Melbourne—Titusville—Cocoa	99.4	101.8	102.4	(1)	(1)	(1)	6.5	6.4	6.2	21.0	22.1	22.0
55 Miami	718.4	718.0	722.3	(1)	(1)	(1)	43.0	41.5	42.1	103.2	101.3	101.5
56 Orlando	276.9	282.6	282.3	(1)	(1)	(1)	20.7	20.1	20.0	35.9	35.6	35.6
57 Panama City	32.4	33.0	33.0	(1)	(1)	(1)	2.2	2.3	2.3	3.0	3.2	3.2
58 Pensacola	95.9	96.9	97.4	(1)	(1)	(1)	6.8	6.8	6.7	12.9	12.7	12.6
59 Sarasota	69.2	69.1	70.6	(1)	(1)	(1)	7.3	6.5	6.6	6.2	5.9	6.0
60 Tallahassee	72.7	73.9	74.2	(1)	(1)	(1)	3.4	3.5	3.5	2.4	2.5	2.5
61 Tampa—St. Petersburg	523.8	524.6	529.2	(1)	(1)	(1)	36.5	35.3	35.0	74.0	72.2	73.7
62 West Palm Beach—Boca Raton	201.4	205.3	210.7	(1)	(1)	(1)	19.5	18.5	19.1	27.6	27.7	28.2

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	
72.5	71.1	71.5	280.8	276.3	277.0	57.9	57.7	57.6	200.5	202.6	202.9	298.8	297.0	299.4	1
28.8	29.3	29.2	87.6	88.0	88.8	22.9	23.0	23.0	64.8	67.8	67.8	56.1	56.6	56.6	2
2.8	2.7	2.7	22.5	22.6	22.7	3.4	3.4	3.4	17.1	17.6	17.6	34.4	34.7	35.0	3
11.0	11.0	11.1	37.8	36.6	37.5	7.0	7.6	7.6	27.1	27.8	27.7	24.6	26.1	26.5	4
4.8	4.4	4.5	24.1	23.6	23.8	6.1	6.0	6.0	19.6	19.6	19.5	29.1	28.6	28.5	5
1.8	1.8	1.7	10.0	9.8	9.9	1.7	1.7	1.7	6.2	6.2	6.2	17.9	18.1	18.3	6
16.7	17.0	16.6	30.1	30.2	30.0	8.4	8.6	8.4	29.9	31.2	30.6	55.9	57.4	57.5	7
49.8	48.8	49.3	245.7	241.7	245.2	56.2	57.2	57.4	193.9	200.0	200.0	205.9	211.2	213.4	8
29.6	29.3	29.5	163.8	161.0	163.4	42.9	44.2	44.4	125.9	129.5	130.0	104.7	107.2	108.4	9
8.9	8.5	8.6	41.4	40.8	41.4	8.3	8.3	8.3	36.7	39.0	39.1	44.4	45.6	46.1	10
45.7	44.1	43.5	165.1	164.3	165.4	31.3	32.4	32.3	111.5	117.6	116.4	146.0	150.6	151.2	11
3.8	4.0	4.0	16.3	16.5	16.7	2.3	2.4	2.3	8.5	8.9	8.9	12.2	12.4	12.4	12
3.7	3.6	3.6	14.7	14.7	14.8	2.5	2.6	2.6	11.1	11.4	11.5	8.6	9.2	9.2	13
14.4	13.8	13.8	42.2	42.5	42.7	12.4	12.6	12.7	34.2	35.4	35.2	38.7	38.8	39.0	14
4.2	3.9	3.9	6.6	6.4	6.5	1.3	1.3	1.3	5.0	4.9	4.9	7.0	6.9	6.9	15
541.9	548.5	550.1	2,269.3	2,270.4	2,291.3	601.8	615.8	616.6	2,105.9	2,133.6	2,180.1	1,757.6	1,753.6	1,763.3	16
26.7	28.2	28.4	200.0	207.0	210.1	54.1	56.3	56.8	165.8	170.4	170.4	106.0	109.2	111.5	17
7.9	8.0	8.1	33.6	33.1	33.4	4.6	4.5	4.5	22.5	22.8	22.8	32.3	32.9	33.2	18
10.8	11.2	11.2	48.3	49.3	49.1	10.9	11.2	11.2	35.8	37.2	37.4	40.8	40.9	41.2	19
202.8	204.1	203.9	835.0	837.6	850.0	226.7	226.7	227.6	824.9	833.2	851.5	503.2	497.4	495.3	20
3.9	4.0	3.9	23.4	23.8	24.2	3.4	3.5	3.5	16.2	16.7	16.7	16.1	16.7	16.6	21
6.1	6.2	6.1	34.6	34.4	34.6	6.9	6.9	6.9	29.0	29.8	30.0	36.0	38.0	38.6	22
24.0	24.6	24.7	106.1	108.2	109.6	19.0	19.3	19.3	89.8	92.8	94.2	100.6	100.3	102.0	23
21.9	22.3	22.1	97.5	99.0	100.7	21.0	21.9	21.8	71.4	76.0	76.0	136.7	137.5	138.6	24
4.8	5.1	5.0	22.8	22.8	22.6	4.4	4.4	4.4	19.2	19.6	19.6	22.9	22.5	23.1	25
28.0	25.9	25.8	148.7	148.9	150.4	38.0	38.0	38.1	145.6	151.1	151.1	141.5	143.1	144.4	26
127.9	126.0	126.6	359.4	357.9	363.3	142.9	142.7	143.3	339.0	341.9	341.4	287.0	289.5	291.4	27
21.4	21.7	21.8	124.8	126.6	128.9	26.2	27.2	27.2	143.4	149.1	148.8	79.8	78.5	80.6	28
4.8	4.7	4.7	31.1	31.4	31.6	5.5	5.4	5.4	32.5	33.2	33.1	24.4	24.2	24.6	29
4.5	4.6	4.6	22.3	22.3	22.5	5.5	5.5	5.5	17.5	17.3	17.3	20.0	19.9	20.3	30
9.0	9.3	9.0	27.8	29.3	28.9	5.0	5.1	5.1	23.5	24.3	24.3	26.8	26.5	26.7	31
4.6	4.7	4.7	20.8	21.1	21.5	3.4	3.5	3.5	18.3	19.1	19.2	35.3	35.2	35.6	32
78.2	77.2	77.0	304.8	306.1	309.3	76.5	77.9	77.9	245.0	254.3	254.5	241.9	246.9	247.2	33
55.7	54.7	54.6	194.3	194.6	197.3	55.3	56.4	56.4	163.8	169.8	169.2	136.7	139.6	139.7	34
63.0	62.3	62.3	306.0	302.0	306.6	100.6	103.1	103.5	278.5	281.1	280.9	182.6	180.9	182.1	35
6.3	6.3	6.4	35.0	36.3	37.0	6.9	7.0	7.0	31.2	34.1	34.4	16.2	16.8	16.8	36
15.7	16.1	16.1	83.4	84.4	85.5	57.6	61.0	61.2	72.8	74.2	74.4	54.2	53.7	53.9	37
1.5	1.5	1.5	10.7	11.0	11.1	1.8	1.9	1.9	10.0	10.4	10.5	6.9	7.0	7.0	38
16.2	16.4	16.5	40.4	42.3	42.7	9.8	10.6	10.6	45.5	50.1	50.1	24.4	26.7	27.1	39
3.8	3.9	3.9	24.6	24.6	25.1	7.4	7.2	7.2	25.8	27.4	27.6	9.6	10.1	10.1	40
3.2	3.2	3.3	15.8	15.6	15.8	3.4	3.6	3.6	18.7	19.4	19.4	11.7	11.6	11.8	41
12.8	12.7	12.7	57.7	56.0	56.7	11.8	11.8	11.7	45.9	46.7	46.5	46.0	45.1	46.2	42
12.2	12.1	12.0	46.7	43.4	44.2	10.8	10.9	10.8	40.6	41.0	40.7	38.0	36.6	37.4	43
26.0	25.2	25.2	66.4	65.6	65.9	34.6	35.1	35.2	178.2	180.7	182.0	285.3	277.1	277.8	44
(*)	67.8	68.0	(*)	302.0	306.0	(*)	90.5	90.8	(*)	427.5	428.2	(*)	547.0	549.2	45
216.4	216.2	218.2	925.3	953.4	973.2	236.2	246.0	247.5	755.8	782.9	792.9	610.3	616.6	617.3	46
1.4	1.4	1.4	13.0	12.3	12.9	2.6	2.8	2.8	8.1	8.8	8.9	6.8	6.4	6.4	47
3.2	3.3	3.3	20.0	20.3	20.1	4.2	4.4	4.5	19.1	20.1	20.1	13.8	14.1	14.1	48
16.5	16.1	16.4	91.5	86.9	87.8	27.0	27.4	27.5	77.8	81.4	81.5	43.5	46.0	46.6	49
3.7	3.9	3.9	17.6	16.7	17.2	5.3	5.7	5.8	12.3	12.2	12.4	10.5	11.0	11.0	50
1.6	1.7	1.8	14.4	13.9	14.1	2.7	2.7	2.6	10.7	11.1	11.1	27.9	27.2	27.4	51
24.0	23.8	23.9	73.6	73.7	74.5	27.5	27.7	27.5	58.0	59.7	59.9	54.1	55.1	55.7	52
5.0	4.8	4.8	27.7	26.1	27.1	6.1	6.2	6.2	22.2	22.4	22.5	17.2	16.8	17.0	53
4.5	4.6	4.6	21.6	22.1	22.8	4.0	4.1	4.2	23.3	23.8	23.9	18.5	18.7	18.7	54
70.9	69.9	69.7	186.8	183.6	184.4	50.3	52.5	53.1	172.4	173.7	176.5	91.8	95.5	95.0	55
14.0	13.9	13.6	72.8	71.9	72.1	17.8	19.8	19.8	70.9	75.9	75.6	44.8	45.4	45.6	56
1.8	1.7	1.7	8.5	8.2	8.2	1.8	2.0	2.0	5.8	6.0	6.0	9.3	9.6	9.6	57
5.3	4.9	5.3	22.0	21.1	21.2	4.4	4.3	4.4	19.0	20.4	20.7	25.5	26.7	26.5	58
2.7	2.9	2.9	20.6	19.7	20.4	5.7	5.8	5.8	16.8	18.0	18.5	9.9	10.3	10.4	59
2.3	2.4	2.4	15.8	15.1	15.0	3.0	3.1	3.1	12.1	12.3	12.3	33.7	35.0	35.4	60
29.2	29.4	29.5	143.5	140.2	141.7	36.7	37.5	38.1	122.9	127.2	128.3	81.0	82.8	82.9	61
8.4	8.6	8.7	51.5	52.1	54.4	16.0	16.5	16.6	48.3	50.4	51.9	30.1	31.5	31.8	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
1 GEORGIA	2,144.0	2,155.6	2,161.1	7.7	7.5	7.4	98.0	100.1	100.0	531.3	515.5	517.8
2 Albany	44.9	46.4	46.5	(1)	(1)	(1)	3.4	4.0	3.7	11.4	10.6	10.6
3 Atlanta	948.9	946.2	955.4	(1)	(1)	(1)	39.7	39.3	37.9	145.4	142.2	143.0
4 Augusta	121.7	121.6	121.6	(1)	(1)	(1)	6.6	6.1	6.1	36.5	35.4	35.8
5 Columbus	83.3	81.7	82.0	(1)	(1)	(1)	3.9	3.9	3.7	21.9	22.0	22.2
6 Macon	96.2	95.6	96.0	(1)	(1)	(1)	4.3	4.1	4.1	16.3	15.8	15.6
7 Savannah	84.2	84.3	84.4	(1)	(1)	(1)	4.4	5.2	5.3	16.5	16.5	16.5
8 HAWAII	398.1	400.0	405.9	(1)	(1)	(1)	23.2	23.8	24.3	22.4	21.4	22.6
9 Honolulu	330.1	330.3	335.4	(1)	(1)	(1)	18.3	19.3	19.9	16.2	15.1	15.8
10 IDAHO	347.2	338.1	335.7	4.6	4.7	5.0	20.4	17.9	17.1	59.0	57.4	55.9
11 Boise City	85.7	80.0	79.6	(1)	(1)	(1)	6.2	6.0	5.5	9.4	8.2	8.3
12 ILLINOIS	4,877.7	4,799.2	4,798.2	31.1	28.3	29.5	189.3	190.4	183.9	1,223.5	1,182.6	1,172.6
13 Bloomington—Normal	51.6	49.5	49.8	(2)	(2)	(2)	1.5	1.5	1.4	8.1	7.3	7.4
14 Champaign—Urbana—Rantoul	74.5	75.0	74.5	(2)	(2)	(2)	2.5	2.1	2.0	7.9	7.5	7.5
15 Chicago—Gary	3,509.6	(*)	(*)	5.0	(*)	(*)	139.7	(*)	(*)	940.1	(*)	(*)
16 Chicago SMSA	3,240.2	3,157.8	3,169.4	4.9	4.9	4.9	119.0	118.1	114.5	840.2	813.1	814.3
17 Davenport—Rock Island—Moline	160.1	159.5	159.9	(2)	(2)	(2)	8.0	7.3	7.2	43.5	45.8	46.1
18 Decatur	49.9	54.6	54.9	(2)	(2)	(2)	2.5	2.5	2.3	14.6	19.5	19.6
19 Kankakee	36.2	34.5	34.3	(2)	(2)	(2)	1.3	1.4	1.3	10.4	9.8	9.7
20 Peoria	122.4	150.5	142.1	(2)	(2)	(2)	7.8	7.9	7.7	16.9	47.6	39.7
21 Rockford	125.5	115.1	110.8	(2)	(2)	(2)	3.9	3.9	3.8	56.8	50.0	45.8
22 Springfield	85.7	86.4	86.8	(2)	(2)	(2)	2.8	3.7	3.4	7.0	6.1	6.4
23 INDIANA	(*)	2,239.5	2,243.3	(*)	10.8	10.7	(*)	114.7	112.1	(*)	665.0	691.4
24 Anderson	51.9	46.0	46.7	(1)	(1)	(1)	1.4	1.0	1.0	23.5	19.7	20.3
25 Elkhart	76.8	73.4	73.1	-	-	-	2.6	2.3	2.3	40.7	38.6	38.3
26 Evansville	131.0	125.3	125.8	2.9	2.5	2.5	8.9	6.9	6.7	37.6	35.7	36.0
27 Fort Wayne	176.9	176.0	175.7	(1)	(1)	(1)	8.7	8.5	8.3	53.3	54.5	54.5
28 Gary Hammond—East Chicago	269.4	254.1	254.6	(1)	(1)	(1)	20.7	18.2	18.0	99.9	91.6	92.5
29 Indianapolis	546.4	544.5	546.8	(1)	(1)	(1)	27.1	26.2	25.7	129.7	124.4	125.1
30 Lafayette—West Lafayette	60.0	59.3	59.6	(1)	(1)	(1)	2.6	2.7	2.7	11.9	11.2	11.3
31 Muncie	52.3	50.5	51.0	(1)	(1)	(1)	2.2	1.9	1.8	14.7	13.2	13.3
32 South Bend	117.2	110.6	110.3	(1)	(1)	(1)	5.2	5.0	4.9	34.2	30.5	30.6
33 Terre Haute	69.8	65.2	64.8	1.5	1.4	1.4	4.5	3.6	3.6	17.3	15.9	15.7
34 IOWA	1,148.2	1,104.5	1,109.6	2.5	2.4	2.3	61.0	51.0	48.9	260.7	231.3	236.7
35 Cedar Rapids	88.5	84.7	84.6	(1)	(1)	(1)	4.9	4.1	4.0	29.2	26.5	26.4
36 Des Moines	185.3	178.8	179.3	(1)	(1)	(1)	8.5	7.3	7.1	27.4	24.8	24.9
37 Dubuque	46.2	39.1	43.0	(1)	(1)	(1)	1.9	1.6	1.6	17.4	11.1	14.9
38 Sioux City	50.6	49.6	49.9	(1)	(1)	(1)	2.7	2.5	2.6	9.3	8.9	8.9
39 Waterloo—Cedar Falls	69.6	67.5	67.7	(1)	(1)	(1)	3.5	3.4	3.3	24.8	22.6	22.7
40 KANSAS	964.1	953.1	957.2	14.3	15.1	15.1	53.1	49.5	48.3	201.8	182.2	183.0
41 Lawrence	29.2	29.7	29.3	(2)	(2)	(2)	1.4	1.1	1.0	4.8	4.8	4.7
42 Topeka	86.7	86.6	86.9	.2	.2	.2	3.9	4.2	4.2	10.6	9.1	9.2
43 Wichita	211.2	207.8	209.2	2.6	3.0	3.0	11.1	10.1	10.0	69.3	64.2	64.5
44 KENTUCKY	1,264.1	1,210.9	1,220.9	56.5	51.5	52.3	74.4	63.1	61.7	292.6	267.6	271.7
45 Lexington—Fayette	154.6	149.1	151.5	(1)	(1)	(1)	9.9	10.2	10.1	31.1	28.7	29.2
46 Louisville	405.0	392.3	394.5	(1)	(1)	(1)	20.8	17.1	17.1	105.9	100.2	100.7
47 Owensboro	30.5	30.1	30.5	.8	.7	.8	2.2	2.2	2.2	6.8	6.5	6.7
48 LOUISIANA	1,524.5	1,567.3	1,576.5	75.9	83.0	83.5	129.6	143.7	144.5	216.6	213.6	216.1
49 Alexandria	51.3	52.6	52.3	(1)	(1)	(1)	3.0	3.4	3.3	6.1	6.1	5.9
50 Baton Rouge	192.9	198.5	199.9	.8	.8	.8	23.1	24.8	25.5	26.2	26.3	26.5
51 Lafayette	75.2	80.8	81.6	13.4	14.7	14.9	6.8	7.5	7.7	3.8	4.0	4.1
52 Lake Charles	65.0	64.0	64.1	1.8	1.9	1.9	9.1	7.9	8.2	12.9	13.0	13.0
53 Monroe	50.2	48.9	49.4	.6	.5	.5	4.2	3.5	3.6	8.2	7.4	7.4
54 New Orleans	495.9	497.9	498.9	16.3	17.1	17.3	30.8	31.3	30.9	53.8	54.2	54.5
55 Shreveport	148.4	148.3	149.5	4.8	6.1	6.2	11.8	8.6	10.1	28.2	27.4	27.3
56 MAINE	419.8	421.3	417.8	(1)	(1)	(1)	20.3	21.0	19.9	114.7	114.5	113.4
57 Lewiston—Auburn	36.4	35.8	35.6	(1)	(1)	(1)	1.7	1.4	1.3	12.2	12.2	12.0
58 Portland	92.7	92.5	91.9	(1)	(1)	(1)	4.1	4.0	3.8	18.0	17.7	17.7
59 MARYLAND	1,705.6	1,699.0	1,706.0	(1)	(1)	(1)	113.0	104.9	105.2	251.4	235.4	236.3
60 Baltimore	959.6	953.4	958.0	(1)	(1)	(1)	54.7	53.7	53.6	171.8	158.4	159.6

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)															
Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	
138.4	140.0	140.3	505.4	506.2	508.0	108.0	110.2	110.4	333.4	344.7	345.0	421.9	431.5	432.3	1
2.1	2.2	2.2	9.6	10.2	10.5	2.0	2.3	2.3	6.4	6.8	6.8	10.1	10.3	10.3	2
86.4	88.0	88.3	265.0	259.7	265.8	63.8	65.8	66.2	169.8	193.9	194.6	158.8	157.3	159.5	3
4.4	4.6	4.6	23.0	22.7	22.7	4.6	4.6	4.5	15.9	16.8	16.7	30.7	31.5	31.2	4
3.5	3.5	3.5	17.0	16.0	16.3	5.2	5.3	5.4	11.5	11.3	11.0	20.3	19.7	19.9	5
4.8	4.6	4.5	20.5	19.8	20.2	5.7	5.8	5.8	16.1	16.2	16.2	28.5	29.3	29.7	6
8.7	7.7	7.7	19.6	19.5	19.5	4.1	4.2	4.2	15.3	15.6	15.5	15.7	15.6	15.7	7
30.9	30.9	30.8	106.8	102.8	104.0	30.8	33.5	34.0	103.0	100.0	100.4	81.0	87.6	89.8	8
25.6	25.6	25.5	89.9	85.7	86.6	26.7	29.2	29.8	83.6	81.3	81.5	69.9	74.1	76.3	9
20.8	20.5	20.6	84.8	82.2	83.1	23.7	23.3	23.2	62.8	61.4	60.7	71.1	70.7	70.1	10
5.3	5.2	5.1	21.7	20.8	20.7	8.2	7.8	7.9	18.7	14.9	15.0	16.2	17.1	17.2	11
292.6	288.0	286.7	1,171.9	1,117.6	1,130.5	290.0	298.2	297.8	926.3	936.7	939.1	753.0	757.4	758.1	12
3.1	3.0	3.0	11.4	11.4	11.4	7.6	7.5	7.5	8.5	7.9	7.8	11.4	10.9	11.3	13
2.5	2.8	2.8	17.4	18.3	18.4	2.3	2.2	2.2	10.2	9.8	9.7	31.7	32.3	31.9	14
216.5	(*)	(*)	803.2	(*)	(*)	229.9	(*)	(*)	650.3	(*)	(*)	485.0	(*)	(*)	15
200.6	195.3	194.7	747.6	722.3	732.0	220.2	221.1	221.3	655.1	634.7	636.6	452.6	448.3	451.1	16
8.5	6.6	6.8	40.8	40.3	40.6	7.0	7.1	7.1	25.3	25.3	25.0	27.0	27.1	27.1	17
5.1	5.2	5.2	11.5	11.0	11.3	2.9	2.7	2.7	8.3	8.7	8.7	4.9	4.9	5.0	18
1.7	1.6	1.6	8.5	6.9	7.0	1.1	1.1	1.1	6.1	6.6	6.5	7.1	7.1	7.1	19
8.8	8.3	8.2	37.3	35.1	35.6	7.2	7.3	7.3	27.2	26.7	26.4	17.2	17.6	17.2	20
5.2	4.6	4.6	26.5	24.2	24.3	4.3	4.2	4.2	16.5	16.3	16.2	12.3	11.9	11.9	21
5.4	5.3	5.3	19.7	19.3	19.3	6.7	6.6	6.7	15.9	17.2	17.2	28.0	28.1	28.4	22
(*)	104.6	104.2	(*)	493.3	496.0	(*)	101.6	101.0	(*)	349.0	348.4	(*)	380.6	379.5	23
1.6	1.5	1.4	10.7	9.5	9.6	1.7	1.6	1.6	7.1	6.9	7.0	5.9	5.8	5.8	24
2.4	2.0	2.0	15.0	14.5	14.5	2.1	2.1	2.1	8.9	8.8	8.8	5.1	5.1	5.1	25
6.9	6.8	6.8	33.2	31.7	32.1	4.5	4.5	4.5	24.3	24.5	24.6	12.7	12.7	12.6	26
11.6	11.3	11.2	45.7	43.6	43.7	10.6	10.6	10.5	28.9	29.2	29.2	18.1	18.3	18.3	27
15.9	12.0	11.9	55.6	54.2	54.0	9.7	9.4	9.4	35.2	35.4	35.5	32.4	33.3	33.3	28
32.9	32.6	32.6	139.2	138.7	140.8	38.0	39.1	39.0	50.9	49.5	49.4	88.6	89.0	89.2	29
1.6	1.6	1.6	12.3	11.5	11.7	2.6	2.5	2.5	9.2	9.1	9.1	19.8	20.7	20.7	30
2.1	2.0	2.0	12.4	12.4	12.6	1.6	1.5	1.5	7.9	8.2	8.2	11.4	11.3	11.6	31
5.3	4.5	4.5	29.6	26.2	28.0	5.4	5.2	5.2	24.6	24.1	24.0	12.9	13.1	13.1	32
4.1	3.9	3.8	17.2	16.3	16.2	2.2	2.1	2.1	9.8	9.5	9.5	13.2	12.5	12.5	33
58.2	57.8	57.6	293.0	285.5	287.7	57.7	59.0	58.7	206.0	209.7	208.3	209.0	207.8	209.4	34
4.1	3.9	3.8	20.3	19.1	19.4	4.4	4.4	4.5	15.5	15.6	15.7	9.9	11.1	10.8	35
12.1	11.7	11.7	50.1	47.6	48.2	20.0	20.0	20.0	38.6	38.6	38.4	28.6	28.8	28.9	36
1.7	1.6	1.6	9.4	8.8	9.0	1.2	1.2	1.2	10.2	10.4	10.4	4.3	4.3	4.3	37
4.1	3.9	3.9	13.4	13.2	13.4	2.9	2.9	2.9	11.6	11.6	11.6	6.6	6.6	6.6	38
2.7	2.8	2.7	14.3	13.5	13.7	2.1	2.0	2.0	11.0	11.4	11.4	11.3	11.7	11.8	39
66.5	65.4	65.4	230.1	229.6	232.3	46.2	46.5	46.3	168.0	175.6	175.6	184.1	189.2	191.2	40
1.5	1.4	1.4	5.7	6.2	6.3	.9	.9	.9	3.7	3.8	3.8	11.2	11.5	11.2	41
7.5	7.6	7.6	19.5	19.4	19.5	6.1	6.3	6.4	16.9	17.5	17.6	22.0	22.3	22.2	42
10.4	11.0	11.0	45.7	45.6	46.4	9.1	9.1	9.1	38.4	39.8	39.7	24.6	25.1	25.5	43
70.4	68.3	68.3	274.1	261.2	267.7	51.1	50.4	50.2	209.2	215.4	214.4	235.8	233.4	234.6	44
7.6	8.0	8.1	35.3	31.1	32.7	7.2	7.6	7.7	28.3	27.2	27.3	35.2	36.3	36.4	45
25.3	23.6	23.5	91.7	87.8	89.1	23.1	23.2	23.2	76.9	79.0	79.4	61.2	61.4	61.4	46
2.3	2.3	2.3	7.0	6.7	6.8	1.2	1.2	1.2	5.5	5.7	5.7	4.7	4.8	4.8	47
115.4	116.0	115.1	360.8	365.9	369.5	74.5	75.7	76.0	251.4	262.0	262.6	300.3	307.4	309.2	48
2.6	2.6	2.6	11.1	11.5	11.5	2.9	2.9	3.0	10.4	10.9	10.9	15.2	15.2	15.1	49
10.3	10.8	10.7	44.4	45.8	46.4	11.0	11.4	11.4	30.0	31.1	31.2	47.1	47.5	47.4	50
5.0	5.4	5.4	20.1	21.2	21.5	2.4	2.6	2.6	13.7	14.2	14.2	10.0	11.2	11.2	51
3.6	3.8	3.6	14.4	14.2	14.2	2.6	2.6	2.6	9.2	9.3	9.3	11.4	11.3	11.3	52
2.5	2.6	2.7	13.4	13.3	13.5	3.5	3.6	3.7	7.9	7.9	7.9	9.9	10.1	10.1	53
49.9	49.5	49.4	125.2	125.3	126.2	30.4	30.9	30.8	105.7	106.7	107.2	83.8	82.9	82.6	54
10.4	10.6	10.6	35.6	36.5	36.7	7.1	7.5	7.5	25.9	26.4	25.6	24.6	25.2	25.5	55
19.0	19.5	19.3	90.5	89.2	88.1	16.5	16.8	16.7	74.1	77.1	75.7	84.7	83.2	84.7	56
1.1	1.2	1.2	8.7	8.4	8.5	1.6	1.6	1.6	7.7	7.8	7.8	3.4	3.2	3.2	57
5.4	5.4	5.3	26.1	25.7	25.6	7.2	7.6	7.7	18.7	18.5	18.4	13.2	13.6	13.4	58
88.4	85.7	85.1	409.3	411.3	416.0	89.5	93.2	93.3	351.0	365.0	363.5	403.0	403.5	406.6	59
59.8	58.4	57.8	219.0	214.7	216.7	55.9	58.3	58.3	187.4	200.7	201.2	211.0	209.2	210.8	60

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
1 MASSACHUSETTES	2,649.9	2,688.0	2,699.3	(1)	(1)	(1)	83.6	84.4	84.4	679.1	660.9	661.9
2 Boston	1,474.3	1,492.3	1,505.8	(1)	(1)	(1)	44.9	45.3	44.6	291.1	287.6	287.4
3 Brockton	59.2	58.8	59.3	(1)	(1)	(1)	1.8	1.7	1.6	12.7	12.9	13.1
4 Fall River	58.6	57.7	57.6	(1)	(1)	(1)	1.7	1.5	1.5	21.1	20.0	19.8
5 Lawrence—Haverhill	108.8	110.7	111.0	(1)	(1)	(1)	3.3	3.0	2.9	41.9	43.6	43.8
6 Lowell	75.5	76.9	77.2	(1)	(1)	(1)	2.9	3.1	3.0	27.0	28.0	28.0
7 New Bedford	65.9	63.9	63.7	(1)	(1)	(1)	1.8	1.6	1.5	26.3	24.9	24.9
8 Springfield—Chicopee—Holyoke	238.5	231.1	233.0	(1)	(1)	(1)	6.4	5.9	5.8	69.6	64.3	64.1
9 Worcester	167.6	165.2	166.7	(1)	(1)	(1)	5.1	5.0	5.0	48.9	46.5	46.8
10 MICHIGAN	3,618.9	3,503.2	(*)	13.5	12.4	(*)	148.7	128.0	(*)	1,094.8	1,005.0	(*)
11 Ann Arbor	140.7	138.4	(*)	(1)	(1)	(*)	3.2	2.9	(*)	42.4	41.4	(*)
12 Battle Creek	66.0	64.6	(*)	(1)	(1)	(*)	2.1	2.1	(*)	22.4	20.5	(*)
13 Bay City	35.5	34.2	(*)	(1)	(1)	(*)	1.4	1.3	(*)	10.7	9.4	(*)
14 Detroit	1,766.9	1,708.5	(*)	1.3	1.3	(*)	63.9	54.5	(*)	542.3	500.7	(*)
15 Flint	201.0	189.9	(*)	(1)	(1)	(*)	6.2	7.8	(*)	82.8	71.2	(*)
16 Grand Rapids	274.5	271.4	(*)	(1)	(1)	(*)	14.8	13.2	(*)	94.9	90.4	(*)
17 Jackson	55.2	51.3	(*)	(1)	(1)	(*)	2.2	1.1	(*)	16.4	14.3	(*)
18 Kalamazoo—Portage	112.9	110.5	(*)	(1)	(1)	(*)	4.7	4.2	(*)	35.8	31.9	(*)
19 Lansing—East Lansing	200.3	196.4	(*)	(1)	(1)	(*)	7.2	7.4	(*)	44.4	39.4	(*)
20 Muskegon—Norton Shores—Muskegon Hghts.	61.9	60.6	(*)	(1)	(1)	(*)	3.0	2.3	(*)	22.3	19.9	(*)
21 Saginaw	89.2	85.5	(*)	(1)	(1)	(*)	2.7	2.3	(*)	33.4	30.5	(*)
22 MINNESOTA	1,811.9	1,794.5	1,792.1	17.3	15.2	13.7	91.8	83.3	78.5	387.1	369.3	368.3
23 Duluth—Superior	62.9	61.0	60.4	(1)	(1)	(1)	2.4	2.2	1.9	8.2	7.8	7.8
24 Minneapolis—St. Paul	1,102.8	1,096.9	1,100.7	(1)	(1)	(1)	51.5	46.5	44.9	251.1	241.7	241.6
25 Rochester	51.1	50.9	50.5	(2)	(2)	(2)	2.3	2.4	2.2	10.4	10.2	9.8
26 St. Cloud	58.6	53.8	53.7	(1)	(1)	(1)	2.4	2.9	2.4	12.9	11.4	11.4
27 MISSISSIPPI	849.2	829.1	831.9	9.8	10.1	10.1	48.0	44.4	43.5	234.3	218.9	220.0
28 Jackson	149.2	147.8	147.7	1.3	1.4	1.3	8.0	6.9	6.6	19.3	18.9	18.9
29 MISSOURI	2,019.9	1,983.6	1,986.6	8.0	7.3	7.4	95.8	80.3	77.2	447.9	424.7	429.9
30 Kansas City	639.6	614.2	617.7	.6	.5	.5	30.1	25.2	24.4	127.7	116.4	119.9
31 St. Joseph	37.6	36.7	37.4	(2)	(2)	(2)	2.1	2.0	2.0	9.2	8.9	9.3
32 St. Louis	994.5	967.7	968.1	3.2	3.1	3.1	45.7	42.7	41.2	244.0	232.4	233.2
33 Springfield	86.0	83.6	84.3	(2)	(2)	(2)	4.2	3.8	3.6	18.3	17.2	18.1
34 MONTANA	287.7	283.2	280.8	8.3	6.8	6.7	17.0	16.7	15.9	27.6	23.8	23.6
35 Billings	48.4	48.6	48.2	(1)	(1)	(1)	3.0	2.8	2.6	4.6	4.5	4.3
36 Great Falls	29.6	29.5	29.5	(1)	(1)	(1)	2.0	1.8	1.7	1.7	1.3	1.3
37 NEBRASKA	640.2	632.1	635.2	1.8	1.7	1.7	32.2	30.5	29.7	100.3	95.0	95.4
38 Lincoln	102.4	100.8	101.3	(2)	(2)	(2)	4.7	4.1	4.1	13.2	13.6	13.6
39 Omaha	270.6	264.0	263.6	(2)	(2)	(2)	11.9	11.5	11.1	37.4	35.0	35.2
40 NEVADA	395.0	403.9	404.5	4.9	6.4	6.5	26.7	23.9	23.2	20.2	19.2	20.0
41 Las Vegas	216.3	220.8	222.8	.5	.8	.8	15.5	13.7	13.4	7.1	6.9	7.6
42 Reno	117.8	119.4	118.9	.8	.9	.9	7.2	6.4	6.1	8.7	8.1	8.2
43 NEW HAMPSHIRE	380.9	385.4	385.1	.4	.4	.4	23.2	20.7	21.3	116.9	115.5	115.7
44 Manchester	74.4	74.2	74.7	(2)	(2)	(2)	3.6	3.2	3.1	18.5	17.3	17.3
45 Nashua	61.4	64.5	64.8	(2)	(2)	(2)	2.6	2.5	2.5	28.5	30.5	30.5
46 NEW JERSEY	3,064.3	3,049.9	3,049.1	2.6	2.6	2.7	124.7	117.4	115.3	803.5	776.9	773.9
47 Atlantic City	84.1	93.2	93.7	-	-	-	7.7	6.8	6.4	8.8	8.5	8.4
48 Camden	333.8	330.3	331.3	.1	.1	.1	14.9	13.5	13.2	73.3	69.4	69.2
49 Hackensack	400.6	395.6	397.6	(1)	(1)	(1)	15.2	12.8	12.6	111.0	106.2	106.2
50 Jersey City	234.0	225.8	226.3	-	-	-	4.8	4.3	4.4	73.3	67.2	67.7
51 Long Branch—Asbury Park	157.1	158.5	159.3	(1)	(1)	(1)	6.3	4.7	4.8	24.9	25.0	25.2
52 New Bruns.—Perth Amboy—Sayreville	285.9	285.6	286.2	(1)	(1)	(1)	12.0	11.5	11.2	88.8	88.8	89.2
53 Newark	960.5	945.1	947.3	.8	.9	.9	37.3	32.7	32.9	257.8	245.6	245.4
54 Paterson—Clifton—Passaic	193.6	188.4	188.8	(1)	(1)	(1)	6.8	6.2	6.2	70.0	66.1	65.9
55 Trenton	167.4	164.4	164.9	(1)	(1)	(1)	3.4	3.1	3.1	35.6	33.0	33.0
56 Vineland—Millville—Bridgeton	55.9	54.8	54.7	(1)	(1)	(1)	1.7	1.5	1.4	18.4	17.5	17.3
57 NEW MEXICO	469.5	472.8	470.5	27.6	28.2	28.3	36.3	34.3	33.0	35.6	34.5	34.4
58 Albuquerque	190.6	193.5	193.0	(1)	(1)	(1)	15.7	15.0	14.6	18.5	18.0	18.2
59 NEW YORK	7,267.1	7,190.1	7,216.0	6.5	6.2	6.1	218.9	197.8	192.7	1,509.1	1,464.9	1,463.2
60 Albany—Schenectady—Troy	340.6	338.1	338.5	(1)	(1)	(1)	12.2	11.6	11.1	59.8	57.6	57.7
61 Binghamton	118.8	117.5	117.8	(1)	(1)	(1)	4.5	3.5	3.3	42.4	41.6	41.6
62 Buffalo	521.7	510.7	513.4	(1)	(1)	(1)	20.5	20.8	20.1	144.6	134.1	136.0

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	
121.2	124.5	124.0	581.3	595.0	601.0	147.8	148.5	148.2	614.8	660.1	659.9	422.1	414.6	419.9	1
72.7	75.6	75.6	324.9	330.2	335.9	104.2	107.2	107.4	419.3	437.9	442.0	217.2	208.5	212.9	2
4.5	4.5	4.5	16.3	15.8	16.1	2.1	2.0	2.0	9.6	9.6	9.5	12.2	12.3	12.5	3
1.9	1.8	1.8	11.9	11.8	11.7	2.6	2.5	2.5	11.0	11.7	11.7	8.4	8.4	8.6	4
4.7	4.7	4.7	21.6	21.1	21.0	3.9	3.9	4.0	16.2	16.9	16.9	17.2	17.5	17.7	5
3.3	3.3	3.3	15.5	15.4	15.8	2.1	2.0	2.0	11.3	11.8	11.7	13.4	13.3	13.4	6
2.3	2.2	2.2	12.8	12.2	12.5	2.0	2.0	1.9	9.4	9.9	9.9	11.3	11.1	10.8	7
9.5	9.1	9.1	47.9	46.8	47.4	12.2	12.7	12.6	45.0	44.4	45.0	47.9	47.9	49.0	8
7.0	6.9	7.0	37.0	36.3	37.0	9.0	9.2	9.2	33.0	33.5	33.5	27.6	27.8	28.2	9
159.4	152.3	(*)	768.6	752.9	(*)	154.6	157.3	(*)	638.8	653.9	(*)	640.2	641.3	(*)	10
3.6	3.3	(*)	20.5	19.4	(*)	3.5	3.6	(*)	21.1	21.7	(*)	46.4	46.1	(*)	11
2.4	2.4	(*)	11.4	11.5	(*)	3.6	3.6	(*)	11.6	11.9	(*)	12.5	12.6	(*)	12
1.9	1.9	(*)	8.2	8.3	(*)	1.2	1.2	(*)	6.9	7.3	(*)	5.2	4.8	(*)	13
85.9	82.2	(*)	374.3	366.3	(*)	89.2	91.8	(*)	346.2	352.0	(*)	263.9	259.7	(*)	14
7.2	7.0	(*)	41.1	39.9	(*)	6.0	5.7	(*)	30.6	31.5	(*)	27.1	26.8	(*)	15
10.8	10.6	(*)	61.7	61.3	(*)	10.2	10.1	(*)	50.1	52.7	(*)	32.0	33.1	(*)	16
5.0	5.2	(*)	11.1	10.3	(*)	1.5	1.5	(*)	10.2	9.5	(*)	8.8	9.4	(*)	17
4.0	4.1	(*)	21.7	22.3	(*)	3.5	3.4	(*)	21.7	23.3	(*)	21.5	21.3	(*)	18
5.7	5.7	(*)	36.8	36.3	(*)	9.2	9.2	(*)	26.7	27.2	(*)	70.3	71.2	(*)	19
3.1	3.0	(*)	11.7	11.8	(*)	1.7	1.8	(*)	9.6	10.5	(*)	10.3	11.3	(*)	20
4.9	4.9	(*)	17.5	17.5	(*)	3.9	3.8	(*)	14.6	14.6	(*)	12.2	11.9	(*)	21
103.1	101.6	101.0	456.9	450.3	452.3	93.4	96.8	96.8	361.5	377.1	375.1	300.6	300.8	306.3	22
7.0	6.9	6.5	17.1	15.8	16.0	2.3	2.3	2.3	12.7	13.0	12.8	13.1	13.1	13.1	23
66.0	66.3	66.3	273.7	274.5	276.2	68.5	70.8	71.0	233.3	240.4	241.2	158.6	156.7	159.4	24
2.1	2.0	2.0	10.4	10.4	10.4	1.5	1.5	1.6	18.4	18.6	18.6	5.9	5.9	5.9	25
3.5	3.7	3.6	13.3	13.1	13.3	1.8	1.8	1.8	13.1	9.4	9.6	11.6	11.5	11.6	26
43.2	42.7	42.5	165.5	163.1	164.8	33.1	33.1	33.1	120.5	121.8	121.8	194.9	195.0	196.1	27
10.1	10.2	10.1	35.9	35.3	35.6	11.5	11.5	11.5	28.8	29.3	29.2	34.3	34.4	34.4	28
143.9	142.1	141.1	485.3	483.9	486.4	108.7	109.4	109.3	381.2	395.0	392.1	349.1	340.9	343.2	29
53.7	50.7	50.6	163.6	153.5	155.8	44.1	44.1	44.0	127.5	132.2	131.0	92.3	91.6	91.5	30
2.1	2.1	2.1	9.5	8.8	9.0	1.8	1.9	1.9	6.9	7.0	7.0	6.0	6.0	6.1	31
69.3	70.2	69.9	230.4	219.0	219.9	57.0	55.8	55.5	203.2	206.2	205.0	141.7	138.3	140.3	32
6.6	6.8	6.7	24.3	23.2	23.3	3.3	3.4	3.3	17.6	17.5	17.5	11.7	11.7	11.8	33
23.5	23.4	23.3	74.1	72.1	72.0	12.7	12.9	12.8	53.6	56.3	56.1	70.9	71.1	70.5	34
4.9	4.9	4.9	16.3	16.0	15.9	2.3	2.2	2.3	9.8	10.3	10.3	7.5	7.9	7.8	35
1.9	1.9	1.9	9.7	9.5	9.6	2.1	2.0	2.0	6.6	7.0	6.9	5.7	5.9	6.0	36
48.8	48.1	47.8	166.8	163.9	165.4	41.3	43.4	43.3	116.0	118.2	118.0	133.0	131.3	133.9	37
7.4	7.5	7.5	23.3	21.9	21.9	7.1	6.9	6.9	17.3	17.7	17.7	29.4	29.1	29.6	38
25.4	24.3	24.3	70.7	67.8	68.0	24.3	25.2	25.1	58.1	59.4	59.1	42.8	40.8	40.8	39
23.9	24.8	25.1	81.4	82.9	84.6	17.2	17.8	17.8	164.6	170.5	168.9	56.1	58.4	58.4	40
12.9	13.5	13.6	45.7	45.5	46.9	9.6	10.1	10.2	99.6	103.5	103.5	25.4	26.8	26.8	41
8.4	8.6	8.7	26.0	26.8	27.1	6.1	6.1	6.1	44.8	46.0	45.3	15.8	16.5	16.5	42
13.7	14.2	14.1	83.9	85.4	85.6	18.9	20.1	20.2	65.5	69.3	67.7	58.4	59.8	60.1	43
4.8	4.9	4.9	19.1	19.4	19.9	6.3	6.4	6.4	13.7	14.3	14.4	8.4	8.7	8.7	44
2.0	2.1	2.1	12.0	12.5	12.6	1.9	2.0	2.0	8.6	8.9	8.9	5.8	6.0	6.2	45
190.6	181.3	181.8	689.9	678.2	682.4	153.3	154.7	154.7	574.8	606.8	603.9	524.9	532.0	534.4	46
3.7	3.9	3.9	17.7	19.3	19.3	5.1	5.2	5.1	26.3	34.6	35.7	14.8	14.9	14.9	47
15.5	14.3	14.2	88.3	86.7	87.8	16.3	16.6	16.6	64.7	66.5	66.5	60.7	63.2	63.7	48
20.0	19.6	19.7	119.9	117.3	118.2	16.3	17.4	17.3	73.8	76.7	76.9	44.3	45.6	46.7	49
27.3	24.6	24.2	45.1	45.8	46.0	8.0	8.0	8.1	31.5	31.7	31.5	44.1	44.2	44.4	50
6.0	5.9	6.0	38.2	38.4	38.9	7.8	7.7	7.7	39.8	42.0	41.8	34.1	34.8	34.9	51
21.7	22.8	23.0	67.7	66.5	66.5	9.7	9.9	9.9	39.2	41.7	41.5	46.8	44.4	44.9	52
72.0	69.7	70.1	185.7	179.9	181.1	64.3	63.8	63.9	188.5	196.2	195.9	154.1	156.1	157.1	53
6.8	6.3	6.2	43.9	41.0	41.4	8.8	8.8	8.8	31.1	32.9	32.9	26.2	27.1	27.4	54
5.7	5.6	5.7	26.0	24.9	25.3	6.6	6.7	6.7	43.4	44.2	43.9	46.7	46.9	47.2	55
2.9	2.8	2.7	9.7	9.3	9.4	2.0	2.0	2.0	8.5	8.7	8.6	12.7	13.0	13.1	56
29.2	29.1	29.1	106.6	108.1	108.7	21.5	22.3	22.0	88.1	89.5	88.4	124.6	126.8	126.6	57
12.1	12.2	12.2	48.2	48.6	48.8	11.1	11.5	11.3	42.9	45.3	45.0	42.1	42.9	42.9	58
439.0	437.9	437.1	1,507.1	1,479.9	1,498.3	606.3	616.8	617.1	1,662.4	1,700.3	1,699.6	1,317.7	1,286.3	1,301.8	59
16.2	15.8	15.8	70.3	69.1	69.6	15.5	15.7	15.7	69.4	72.0	72.0	97.2	96.2	96.7	60
4.7	4.5	4.6	21.8	21.6	21.8	3.9	4.1	4.1	18.0	18.3	18.3	23.5	23.8	24.1	61
29.3	27.9	27.9	118.2	117.0	118.3	22.1	22.6	22.5	99.1	100.8	100.8	87.8	87.5	87.9	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
NEW YORK—Continued												
1 Elmira	38.1	37.6	37.4	(1)	(1)	(1)	1.5	1.2	1.1	12.2	11.4	11.1
2 Monroe County	339.6	340.4	342.3	(1)	(1)	(1)	10.2	9.3	8.9	134.1	134.6	135.9
3 Nassau—Suffolk	902.1	903.9	905.3	(1)	(1)	(1)	37.5	35.1	34.7	166.9	164.5	164.6
4 New York—Northeastern New Jersey	6,740.8	6,677.7	(*)	3.0	3.1	(*)	205.7	189.3	(*)	1,391.5	1,345.7	(*)
5 New York and Nassau—Suffolk	4,666.2	4,637.9	4,658.1	1.7	1.7	1.7	129.6	122.5	122.2	790.7	769.9	767.4
6 New York SMSA	3,764.1	3,734.0	3,752.9	1.5	1.5	1.5	92.1	87.4	87.5	623.7	605.4	602.8
7 New York City	3,314.1	3,283.2	3,300.7	1.2	1.2	1.2	72.8	69.7	70.0	528.6	510.8	508.4
8 Poughkeepsie	98.9	98.5	98.5	(1)	(1)	(1)	3.1	2.8	2.7	32.7	32.6	32.6
9 Rochester	420.1	418.3	420.0	(1)	(1)	(1)	12.8	11.5	11.1	156.9	156.3	157.3
10 Rockland County	81.9	82.2	81.8	(1)	(1)	(1)	2.9	2.7	2.6	15.8	16.0	15.9
11 Syracuse	265.8	263.5	264.1	(1)	(1)	(1)	11.6	8.2	8.0	58.3	58.5	58.8
12 Utica—Rome	117.2	116.0	114.7	(1)	(1)	(1)	3.2	3.0	2.7	32.8	30.5	29.6
13 Westchester County	355.6	355.8	357.6	(1)	(1)	(1)	15.6	14.3	14.1	78.0	77.2	77.1
NORTH CAROLINA												
14 Asheville	71.7	70.8	70.8	(1)	(1)	(1)	3.2	3.0	2.9	22.2	21.4	21.6
16 Charlotte—Gastonia	329.6	327.6	328.3	(1)	(1)	(1)	18.1	17.8	17.9	89.5	86.5	87.3
17 Greensboro—Winston-Salem—High Pt.	394.9	393.4	395.4	(1)	(1)	(1)	16.7	16.1	15.9	152.3	150.3	151.6
18 Raleigh—Durham	274.4	273.9	275.4	(1)	(1)	(1)	15.5	13.1	13.1	44.0	43.4	43.6
NORTH DAKOTA												
19 Fargo—Moorhead	63.8	63.8	64.1	(2)	(2)	(2)	4.8	4.0	3.7	4.4	5.1	5.1
OHIO												
21 Akron	4,538.0	4,436.6	4,458.5	31.8	30.6	31.2	197.0	178.5	173.3	1,360.6	1,249.8	1,264.3
22 Canton	275.2	268.2	270.3	(*)	(*)	(*)	10.1	8.7	8.4	84.4	76.5	77.8
23 Cincinnati	162.3	158.3	159.3	(*)	(*)	(*)	7.2	6.6	6.5	56.7	53.0	53.8
24 Cleveland	616.6	613.7	614.0	(*)	(*)	(*)	29.7	28.3	27.8	172.8	163.0	164.1
25 Columbus	920.9	907.4	912.6	(*)	(*)	(*)	35.8	34.0	33.0	272.1	250.6	253.3
26 Dayton	519.8	516.5	520.0	(*)	(*)	(*)	22.6	20.7	20.2	101.3	93.9	94.3
27 Toledo	369.8	364.6	365.9	(*)	(*)	(*)	15.1	14.9	14.4	106.3	99.4	100.0
28 Youngstown—Warren	310.0	303.3	306.0	(*)	(*)	(*)	12.7	11.8	11.2	86.0	79.0	80.9
29 Youngstown—Warren	217.4	203.6	206.2	(*)	(*)	(*)	7.6	7.0	6.9	79.7	66.7	68.9
OKLAHOMA												
30 Oklahoma City	1,116.2	1,146.7	1,151.5	62.4	70.6	71.2	62.1	59.5	58.7	189.1	184.8	185.2
31 Tulsa	392.7	413.5	415.9	14.0	15.7	15.8	20.5	21.8	21.5	56.7	55.5	55.6
32 Tulsa	289.7	296.2	296.8	18.5	20.1	20.2	15.8	16.8	16.2	61.2	61.3	61.5
OREGON												
33 Eugene—Springfield	1,075.3	1,035.4	1,026.9	2.4	2.5	2.4	55.9	46.7	43.2	231.3	213.6	209.6
34 Jackson County	105.6	103.0	102.0	(1)	(1)	(1)	5.8	4.3	4.0	21.0	20.1	19.7
35 Portland	564.6	549.8	548.1	(1)	(1)	(1)	30.1	25.7	24.3	117.1	113.8	113.1
36 Salem	92.2	91.1	89.0	(1)	(1)	(1)	5.2	4.6	4.5	15.4	16.8	14.0
PENNSYLVANIA												
38 Allentown—Bethlehem—Easton	4,911.1	4,784.7	4,800.3	51.9	48.0	49.0	220.0	216.7	208.7	1,390.2	1,314.5	1,317.5
39 Altoona	266.2	262.9	263.9	(1)	(1)	(1)	10.0	10.3	10.0	111.1	108.6	109.1
40 Delaware Valley	54.1	52.9	52.8	(1)	(1)	(1)	3.1	2.9	2.8	13.5	12.9	12.8
41 Erie	1,625.1	1,600.6	1,614.1	(1)	(1)	(1)	67.6	69.4	68.3	385.3	368.8	373.0
42 Harrisburg	118.3	114.3	113.6	(1)	(1)	(1)	3.7	3.9	3.3	44.4	40.2	40.1
43 Johnstown	218.4	216.8	213.2	(1)	(1)	(1)	8.9	8.4	8.0	43.4	42.9	39.8
44 Lancaster	92.5	86.5	86.1	9.4	8.1	8.1	3.9	3.3	3.0	20.5	17.9	17.7
45 Northeast Pennsylvania	155.3	151.3	151.8	(1)	(1)	(1)	8.3	7.6	7.3	60.4	57.8	57.9
46 Philadelphia SMSA	247.7	243.6	243.4	1.3	1.2	1.2	13.9	12.5	12.6	73.3	73.3	72.6
47 Philadelphia City	1,959.4	1,930.8	1,945.4	(1)	(1)	(1)	82.2	83.0	81.5	459.4	438.1	442.3
48 Pittsburgh	814.9	805.8	812.2	(1)	(1)	(1)	20.2	23.0	23.0	144.3	140.8	141.1
49 Reading	970.1	939.8	942.5	11.1	9.8	9.7	51.3	46.8	45.0	254.7	240.0	241.4
50 Scranton	142.9	140.6	142.1	(1)	(1)	(1)	6.1	5.7	5.5	55.3	53.1	54.0
51 Wilkes-Barre—Hazleton	88.5	87.7	88.2	(1)	(1)	(1)	2.9	2.7	2.8	29.0	28.8	29.0
52 Williamsport	129.9	125.8	125.1	1.1	1.1	1.1	9.3	8.2	8.2	39.9	39.2	38.3
53 York	47.7	46.7	47.0	(1)	(1)	(1)	1.8	1.6	1.6	16.9	16.1	16.2
54 York	157.2	157.0	156.7	(1)	(1)	(1)	7.5	7.3	7.1	65.5	66.6	66.2
RHODE ISLAND												
55 Providence—Warwick—Pawtucket	405.6	396.4	398.2	(1)	(1)	(1)	14.9	12.6	12.6	134.1	128.4	129.6
56 Providence—Warwick—Pawtucket	416.2	405.9	407.3	(1)	(1)	(1)	15.1	12.8	12.8	149.4	143.6	144.4
SOUTH CAROLINA												
57 Charleston—North Charleston	1,196.1	1,186.9	1,190.1	1.9	1.8	1.8	75.2	68.6	69.0	400.4	385.6	387.3
58 Columbia	147.9	149.5	149.7	(1)	(1)	(1)	11.3	11.6	11.6	19.5	18.3	18.4
59 Greenville—Spartanburg	181.0	181.7	182.9	(1)	(1)	(1)	8.2	7.9	8.0	27.9	27.8	27.7
60 Greenville—Spartanburg	266.8	259.6	259.8	(1)	(1)	(1)	16.7	16.2	16.0	107.6	100.1	100.2
SOUTH DAKOTA												
61 Rapid City	241.8	239.8	237.2	3.0	3.0	3.0	12.8	12.9	11.9	27.8	24.6	24.4
62 Slouss Falls	29.8	30.9	30.5	(2)	(2)	(2)	2.7	2.4	2.4	3.2	3.5	3.5
63 Slouss Falls	53.8	50.6	49.9	(2)	(2)	(2)	2.7	2.3	2.1	7.7	6.7	6.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	
1.5	1.4	1.4	8.1	8.8	8.8	1.0	1.1	1.1	7.0	7.2	7.2	6.9	6.6	6.6	1
10.2	9.9	9.9	62.3	61.5	61.9	14.7	14.9	14.8	67.2	69.3	69.5	41.0	40.8	41.3	2
37.6	38.7	38.8	237.7	241.4	243.4	51.0	51.2	51.1	195.2	199.8	197.2	176.0	173.2	175.4	3
469.9	460.8	(*)	1,435.1	1,407.8	(*)	609.6	617.8	(*)	1,536.0	1,576.8	(*)	1,090.0	1,076.4	(*)	4
322.1	320.7	320.2	972.9	957.4	970.0	502.4	510.1	510.9	1,172.4	1,198.0	1,201.6	774.4	757.7	764.2	5
284.4	282.0	281.4	735.2	716.0	726.6	451.4	459.0	459.8	977.4	998.3	1,004.6	598.4	584.5	588.8	6
261.3	258.7	258.1	631.0	610.7	620.3	431.2	438.4	439.2	872.9	892.0	897.9	515.2	501.7	505.5	7
2.8	2.7	2.7	16.3	16.2	16.3	2.6	2.6	2.6	17.6	17.6	17.6	23.8	24.0	24.0	8
13.0	12.7	12.7	79.9	79.1	79.5	16.3	16.5	16.4	79.0	81.1	81.0	62.2	61.1	62.1	9
3.6	3.6	3.6	17.6	17.8	17.9	2.5	2.4	2.4	17.8	18.2	18.3	21.8	21.5	21.1	10
15.5	15.3	15.3	60.6	59.9	59.9	15.5	16.2	16.2	54.4	55.2	55.1	49.9	50.1	50.8	11
4.1	4.0	4.0	22.5	23.1	22.9	5.6	5.6	5.6	20.1	21.2	20.8	29.0	28.7	29.1	12
19.0	19.0	19.0	83.3	84.0	84.9	17.3	17.6	17.6	84.0	85.5	85.9	58.4	56.1	58.9	13
116.7	118.1	118.5	498.1	505.4	510.0	95.3	97.6	97.5	339.0	357.4	356.5	410.0	417.7	419.5	14
3.8	3.8	3.8	15.3	15.6	15.7	2.1	2.3	2.3	13.6	13.3	13.1	11.5	11.4	11.4	15
31.2	30.6	30.6	86.6	85.1	85.2	20.4	20.7	20.7	48.0	50.6	50.1	35.8	36.3	36.5	16
21.5	20.8	20.8	80.6	78.6	79.7	18.1	18.2	18.1	57.3	59.6	59.3	48.4	49.8	50.0	17
13.2	13.9	13.9	54.2	52.5	53.4	15.2	15.7	15.7	57.8	59.6	59.7	74.5	75.7	76.0	18
16.5	17.2	17.3	69.2	70.5	70.6	11.1	11.4	11.4	48.4	50.8	50.6	61.5	62.0	62.3	19
4.2	4.2	4.2	19.5	18.8	19.1	3.8	3.8	3.8	14.1	14.7	14.7	13.0	13.2	13.5	20
238.2	239.3	238.6	1,004.2	980.8	990.9	202.0	205.2	205.6	821.6	855.0	848.9	682.7	697.5	705.7	21
15.7	16.0	15.9	60.0	58.7	59.5	9.5	9.3	9.4	50.4	52.8	52.0	44.6	45.6	46.8	22
7.8	7.6	7.5	35.8	35.0	35.2	5.6	5.8	5.8	29.5	30.6	30.5	18.6	18.8	19.0	23
35.4	35.9	35.6	142.5	140.3	141.6	32.4	33.2	33.3	120.6	128.7	126.6	82.9	84.0	84.7	24
49.6	49.0	48.9	217.9	213.1	214.6	48.0	48.8	48.6	184.2	190.3	189.7	111.7	120.0	122.8	25
25.7	26.1	26.2	126.1	123.0	125.5	36.3	38.6	38.6	102.7	107.9	107.5	104.5	105.6	107.1	26
13.5	13.8	13.8	78.1	76.1	77.2	13.5	13.7	13.7	72.6	75.8	76.0	70.2	70.6	70.5	27
22.1	22.7	22.7	70.7	68.2	69.0	10.6	10.8	10.8	60.3	62.1	62.0	47.0	46.2	48.8	28
10.6	10.5	10.5	47.8	46.5	46.8	7.2	7.0	7.0	37.8	39.1	38.9	26.3	26.4	26.9	29
66.0	65.2	65.3	264.3	272.3	276.2	54.0	55.6	55.5	187.0	203.6	204.0	231.3	235.1	235.4	30
22.9	24.5	24.5	98.3	105.0	107.7	24.2	24.8	24.7	69.4	74.5	74.6	86.7	91.7	91.5	31
22.9	22.9	22.8	70.9	71.6	72.3	14.6	14.9	14.9	55.4	58.0	58.3	30.4	30.6	30.6	32
61.1	60.5	60.1	264.7	258.7	257.8	70.3	70.0	68.4	185.3	184.0	182.2	204.3	199.4	203.2	33
5.4	5.2	5.2	26.5	25.5	25.3	5.4	5.4	5.4	18.9	19.5	19.4	22.4	23.0	23.0	34
36.1	36.0	35.8	146.8	142.3	142.0	44.9	44.3	43.9	107.0	107.3	106.9	82.6	80.4	82.1	35
2.8	2.9	2.9	19.7	19.4	19.5	5.7	5.5	5.6	15.4	14.9	14.8	28.0	27.0	27.7	36
275.3	261.0	261.2	1,017.4	975.0	982.8	237.7	242.0	242.3	991.9	1,003.9	1,006.1	726.7	723.6	732.7	37
14.5	14.6	14.7	51.6	49.4	50.0	8.5	8.7	8.7	41.4	42.0	41.9	29.1	29.3	29.5	38
7.5	6.8	6.7	12.3	12.1	12.2	1.5	1.5	1.5	9.0	8.9	8.8	7.2	7.8	8.0	39
86.5	81.4	82.1	339.9	332.2	335.9	110.0	110.9	111.5	352.1	403.5	406.8	243.7	234.4	236.5	40
5.5	5.5	5.5	24.9	25.2	25.2	4.8	4.9	4.9	21.1	21.5	21.5	13.9	13.1	13.1	41
17.3	16.7	16.4	44.2	41.7	41.7	12.5	12.8	12.8	37.2	38.7	38.6	54.9	55.6	55.9	42
6.2	5.8	5.8	16.9	16.7	16.8	3.9	4.0	4.0	16.0	16.3	16.4	15.7	14.4	14.3	43
6.6	6.9	6.7	34.6	33.6	34.1	5.4	5.5	5.5	24.7	25.4	25.4	15.3	14.5	14.9	44
13.6	13.7	13.7	52.6	51.0	51.9	9.3	9.6	9.5	43.3	43.8	43.2	40.4	38.5	38.7	45
102.1	95.7	96.3	428.2	418.9	423.8	126.3	127.5	128.0	456.8	470.1	473.4	304.4	297.5	300.1	46
57.0	52.6	53.0	155.8	152.8	154.2	69.6	69.9	69.8	220.2	223.9	227.2	147.8	142.8	143.9	47
64.3	58.8	59.2	209.9	202.5	204.7	44.8	45.7	45.7	207.6	208.0	206.6	126.4	128.2	130.2	48
6.7	6.7	6.7	28.1	27.5	28.0	6.1	6.3	6.3	23.5	23.9	23.8	17.1	17.4	17.8	49
4.3	4.4	4.4	20.7	19.4	19.8	3.3	3.4	3.4	16.6	17.5	17.5	11.7	11.5	11.3	50
7.2	7.2	7.2	27.0	26.6	27.0	5.1	5.4	5.2	19.6	18.8	18.6	20.7	15.3	19.5	51
2.3	2.3	2.2	10.3	10.1	10.3	2.1	2.1	2.1	7.8	8.1	8.2	6.5	6.4	6.4	52
7.0	7.1	7.0	32.9	31.6	32.0	3.9	4.1	4.0	21.2	21.6	21.5	19.2	18.7	18.9	53
13.5	13.0	13.1	82.4	80.1	80.5	21.1	20.3	20.4	79.8	81.9	81.9	59.8	60.1	60.1	54
13.3	12.8	13.0	84.0	80.9	81.3	21.1	20.5	20.5	76.6	78.6	78.5	56.7	56.7	56.8	55
54.9	54.8	54.9	227.8	228.8	230.8	47.3	49.0	49.0	153.0	159.2	157.5	235.6	239.1	239.8	56
9.1	9.8	9.5	32.4	31.8	31.9	6.3	6.6	6.7	24.2	24.9	24.9	45.1	46.5	46.7	57
9.4	9.5	9.5	38.8	38.2	38.6	13.6	14.4	14.6	26.8	27.4	27.6	56.3	56.5	56.9	58
10.4	10.0	9.9	52.2	51.8	52.1	9.2	9.6	9.6	36.0	37.0	37.0	34.7	34.9	35.0	59
13.8	13.3	13.3	66.5	65.2	64.3	11.3	11.9	11.9	48.1	49.9	49.1	58.5	59.0	59.3	60
1.9	1.7	1.8	9.2	9.2	8.9	1.3	1.3	1.2	5.6	6.9	6.4	5.9	5.8	6.2	61
5.0	4.6	4.6	16.3	14.7	14.6	3.4	3.3	3.4	12.0	12.2	11.8	6.7	6.8	6.6	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

State and area	Total			Mining			Construction			Manufacturing		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
1 TENNESSEE	1,810.1	1,772.2	1,774.1	10.3	10.5	10.6	95.1	85.4	82.8	530.2	512.9	514.3
2 Chattanooga	176.6	173.8	173.8	1.3	1.4	1.3	7.1	6.4	6.3	54.2	53.0	52.8
3 Knoxville	196.2	196.8	197.0	1.3	1.6	1.6	11.6	10.8	10.6	53.1	51.6	51.7
4 Memphis	361.3	357.7	357.1	.2	.2	.2	16.1	16.5	16.0	60.8	60.2	59.4
5 Nashville—Davidson	371.1	361.1	(*)	(1)	(1)	(*)	22.0	19.5	(*)	82.9	78.3	(*)
6 TEXAS	5,734.7	5,891.4	5,921.2	204.8	228.6	229.2	434.7	439.0	435.9	1,042.3	1,048.2	1,050.4
7 Amarillo	77.0	75.5	75.4	(1)	(1)	(1)	5.3	5.1	5.1	9.4	8.8	8.9
8 Austin	235.0	240.4	240.8	(1)	(1)	(1)	13.5	13.1	13.0	29.7	30.5	30.6
9 Beaumont—Port Arthur—Orange	147.7	146.6	146.5	(1)	(1)	(1)	12.8	10.2	10.2	42.2	43.3	43.5
10 Corpus Christi	123.1	122.3	121.9	6.7	7.0	7.0	14.7	12.7	12.6	14.9	15.7	15.9
11 Dallas—Fort Worth	1,417.1	1,473.9	1,479.9	22.0	24.5	24.6	80.4	83.5	83.9	313.7	316.6	316.1
12 El Paso	158.1	158.3	158.8	(1)	(1)	(1)	9.1	9.3	9.2	31.6	30.5	31.1
13 Galveston—Texas City	68.2	70.5	70.8	(1)	(1)	(1)	5.5	5.1	5.4	12.0	12.5	12.6
14 Houston	1,393.7	1,415.5	1,428.8	69.6	75.0	75.5	143.1	140.3	140.0	231.7	243.3	243.6
15 Lubbock	90.3	88.6	88.9	(1)	(1)	(1)	4.6	3.9	3.9	13.6	12.3	12.2
16 San Antonio	383.7	390.9	392.1	2.0	2.3	2.3	26.3	27.4	27.5	48.1	48.8	49.1
17 Waco	70.6	71.0	71.6	(1)	(1)	(1)	3.5	3.5	3.4	17.2	16.5	16.8
18 Wichita Falls	51.1	52.0	52.4	2.8	3.0	3.0	2.8	2.5	2.5	9.5	9.7	9.7
19 UTAH	560.1	562.2	564.3	18.1	19.5	19.5	37.7	34.1	33.4	90.0	89.5	90.7
20 Salt Lake City—Ogden	395.3	395.5	397.5	7.5	7.9	8.0	25.6	22.8	22.1	61.2	61.4	62.1
21 VERMONT	199.8	204.2	202.8	.7	.7	.7	11.4	12.2	11.7	51.1	50.1	50.7
22 Burlington	57.0	58.4	58.5	-	-	-	-	-	-	14.4	15.0	15.2
23 Springfield	14.5	14.8	14.7	-	-	-	-	-	-	6.1	6.3	6.4
24 VIRGINIA	2,127.8	2,141.4	2,142.4	23.6	23.9	23.8	136.9	125.2	123.3	419.5	413.6	414.2
25 Bristol	28.9	28.8	28.9	(1)	(1)	(1)	1.4	1.3	1.4	9.8	9.4	9.3
26 Lynchburg	74.3	72.4	72.5	(1)	(1)	(1)	3.6	3.8	3.8	30.0	29.0	29.0
27 Newport News—Hampton	149.1	155.2	154.6	(1)	(1)	(1)	7.7	7.2	7.1	33.8	35.9	35.8
28 Norfolk—Virginia Beach—Portsmouth	286.8	285.0	285.1	(1)	(1)	(1)	17.8	15.9	15.8	30.5	29.6	29.3
29 Northern Virginia	430.5	433.3	435.3	.4	.4	.4	30.0	27.7	27.6	16.9	17.1	17.2
30 Petersburg—Colonial Hghts.—Hopewell	47.1	47.5	47.1	(1)	(1)	(1)	2.7	2.8	2.6	12.0	11.8	11.8
31 Richmond	328.3	326.8	328.0	.4	.4	.4	18.8	16.5	16.4	56.0	55.9	56.3
32 Roanoke	105.4	105.2	105.7	.1	.1	.1	6.5	6.5	6.0	20.8	21.0	21.1
33 WASHINGTON	1,613.7	1,617.5	1,616.2	2.8	2.7	2.7	102.7	82.4	83.8	309.7	301.8	298.6
34 Seattle—Everett	785.1	795.0	(*)	(1)	(1)	(*)	48.3	45.1	(*)	174.5	175.8	(*)
35 Spokane	131.1	128.3	(*)	(1)	(1)	(*)	8.4	7.8	(*)	18.0	17.1	(*)
36 Tacoma	143.1	140.7	(*)	(1)	(1)	(*)	8.6	7.3	(*)	22.5	22.0	(*)
37 WEST VIRGINIA	661.1	636.2	636.7	64.4	58.9	59.8	45.8	40.9	38.9	126.2	117.6	117.8
38 Charleston	118.8	115.5	115.4	6.7	6.3	6.3	8.7	8.2	7.8	19.3	17.2	17.2
39 Huntington—Ashland	110.6	106.3	106.4	1.3	1.2	1.3	8.9	7.6	7.0	28.6	26.2	26.3
40 Parkersburg—Marletta	59.9	56.7	56.5	.5	.5	.5	4.7	3.6	3.5	17.2	16.1	16.0
41 Wheeling	67.2	64.9	65.4	6.2	5.6	5.9	3.9	3.6	3.5	13.6	12.2	12.2
42 WISCONSIN	2,016.6	2,003.9	2,007.4	2.9	2.5	2.5	86.9	77.8	75.9	599.6	553.9	553.2
43 Appleton—Oshkosh	135.1	131.9	131.6	(1)	(1)	(1)	6.9	6.1	5.9	51.4	46.9	46.3
44 Eau Claire	49.5	50.2	50.4	(1)	(1)	(1)	2.2	2.0	1.9	9.1	8.8	8.9
45 Green Bay	79.9	81.0	81.0	(1)	(1)	(1)	4.0	3.6	3.5	21.7	21.5	21.4
46 Janesville—Beloit	55.4	52.0	52.2	(1)	(1)	(1)	2.0	2.2	2.2	22.4	19.1	18.9
47 Kenosha	49.1	46.2	46.7	(1)	(1)	(1)	3.4	1.8	1.8	20.1	18.6	19.0
48 La Crosse	44.9	45.3	45.6	(1)	(1)	(1)	2.3	1.8	1.7	11.1	10.5	10.6
49 Madison	175.7	179.6	180.9	(1)	(1)	(1)	8.6	8.7	8.6	20.8	20.0	20.1
50 Milwaukee	698.0	687.9	691.3	(1)	(1)	(1)	25.0	23.4	23.0	222.6	201.7	202.7
51 Racine	72.3	69.4	69.3	(1)	(1)	(1)	2.4	2.4	2.5	31.8	28.4	28.4
52 WYOMING	204.9	210.4	208.8	33.4	36.3	36.7	20.5	22.3	21.2	10.5	11.7	11.4
53 Casper	39.0	41.0	41.3	6.9	7.7	7.8	3.8	4.2	4.1	1.9	1.9	2.0
54 Cheyenne	30.1	30.2	29.6	(1)	(1)	(1)	2.2	2.4	2.4	1.8	1.6	1.6
55 PUERTO RICO	(*)	(*)	(*)	.8	.9	(*)	30.7	35.9	(*)	(*)	(*)	(*)
56 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
57 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
58 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	2.5	2.7	(*)	(*)	(*)	(*)
59 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	21.6	24.3	(*)	(*)	(*)	(*)
60 VIRGIN ISLANDS	36.4	35.5	36.2	(2)	(2)	(2)	3.0	3.1	3.1	3.2	3.2	3.3

1 Combined with services.
2 Combined with construction.
3 Area included in Chicago-Gary Standard Consolidated Statistical Area.
4 Revised to 1980 benchmark; not strictly comparable with previously published data.
5 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
6 Subarea of New York—Northeastern New Jersey.
7 Subarea of Rochester Standard Metropolitan Statistical Area.
8 Area included in New York and Nassau-Suffolk combined SMSA's.
9 Subarea of New York Standard Metropolitan Statistical Area.
10 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

**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. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	
88.3	84.3	84.0	395.7	377.2	388.8	77.3	76.9	76.9	292.8	302.6	294.0	320.4	322.4	322.7	1
7.3	7.2	7.2	32.8	31.9	31.7	10.0	9.8	9.9	29.0	28.8	29.0	34.9	35.3	35.6	2
8.0	7.9	7.8	41.4	40.6	41.0	8.1	8.0	8.0	30.4	30.0	30.0	42.3	46.3	46.3	3
27.5	27.1	27.1	97.3	95.9	96.9	19.6	19.7	19.8	71.7	72.6	71.9	68.1	65.5	65.8	4
22.1	20.6	(*)	82.7	77.2	(*)	24.3	24.5	(*)	72.8	76.6	(*)	64.3	64.4	(*)	5
357.0	363.3	364.6	1,405.1	1,406.5	1,423.8	320.1	339.5	341.4	963.3	1,009.0	1,014.4	987.4	1,057.3	1,061.5	6
7.1	7.1	7.1	23.0	21.9	21.8	3.9	3.6	3.6	14.8	15.2	15.1	13.5	13.8	13.8	7
7.1	7.1	7.2	49.9	49.8	50.5	13.7	13.9	14.0	40.8	41.6	41.4	80.3	84.4	84.1	8
10.9	10.9	10.9	31.9	30.1	30.2	5.2	5.3	5.2	24.3	25.6	25.1	20.4	21.2	21.4	9
7.0	6.9	6.8	28.8	28.2	28.0	5.5	5.1	5.1	19.4	20.9	20.8	26.1	25.8	25.7	10
93.0	95.8	96.1	383.7	398.4	403.7	103.3	109.9	110.2	243.9	264.3	262.8	177.1	180.9	182.5	11
10.8	10.8	10.7	40.5	39.2	39.3	7.3	7.3	7.4	26.0	26.3	26.2	32.8	34.5	34.9	12
6.8	7.1	7.1	12.6	13.1	13.1	4.4	4.5	4.5	11.3	12.0	11.9	15.6	16.2	16.2	13
99.2	101.9	101.5	341.5	326.2	338.1	83.4	86.7	86.6	265.4	277.5	278.4	159.8	164.6	165.1	14
5.2	4.9	5.1	25.9	25.8	26.1	4.8	5.0	5.0	16.8	17.1	17.0	19.4	19.6	19.6	15
17.6	18.5	18.5	95.4	95.6	96.1	24.8	25.9	26.0	74.4	76.8	77.1	95.1	95.6	95.5	16
3.2	3.2	3.2	16.5	17.2	17.4	4.3	4.4	4.5	14.6	14.9	14.9	11.3	11.3	11.4	17
2.4	2.5	2.5	12.6	12.8	13.2	2.3	2.4	2.4	7.6	7.8	7.8	11.1	11.3	11.3	18
34.4	34.9	35.2	132.1	130.0	131.4	25.9	26.0	26.1	58.1	100.9	100.2	123.8	127.2	127.9	19
27.4	27.6	27.9	97.9	96.5	97.7	20.8	20.8	20.9	67.1	68.6	68.2	87.8	89.9	90.7	20
9.2	8.9	8.9	41.0	41.7	41.4	7.8	8.1	8.1	41.5	44.5	42.9	37.1	38.0	38.4	21
2.4	2.4	2.3	12.4	12.7	12.8	-	-	-	11.4	11.9	11.6	-	-	-	22
.7	.7	.7	2.2	2.2	2.1	-	-	-	2.6	2.7	2.6	-	-	-	23
114.9	115.4	115.4	452.0	453.4	457.0	104.3	105.9	106.0	375.9	392.9	390.2	500.7	511.1	512.5	24
1.1	1.1	1.2	7.0	6.8	6.8	1.0	1.0	1.0	3.6	3.8	3.8	5.0	5.4	5.4	25
2.8	2.7	2.7	12.9	11.7	11.7	3.6	3.7	3.7	11.0	11.1	11.1	10.4	10.4	10.5	26
5.0	5.2	5.3	28.6	29.0	29.4	5.1	5.0	5.0	27.0	29.6	28.8	41.9	43.3	43.2	27
18.9	19.0	18.6	70.3	69.3	70.1	14.5	14.5	14.4	53.0	55.8	55.7	81.8	80.9	81.2	28
29.0	29.3	29.3	100.6	98.8	100.1	26.6	27.0	27.0	109.7	113.4	114.0	117.3	119.6	119.7	29
1.6	1.5	1.5	8.3	8.0	8.1	1.3	1.3	1.3	5.8	6.3	6.3	15.4	15.8	15.5	30
19.6	19.8	19.8	75.4	72.9	74.0	26.8	26.8	26.8	57.0	60.0	59.4	74.3	74.5	74.9	31
10.2	9.9	9.9	26.5	25.6	26.1	6.1	6.2	6.2	19.5	19.9	19.9	15.7	16.0	16.4	32
89.5	89.3	89.0	394.7	401.3	401.0	92.2	96.3	95.9	295.8	313.9	312.3	326.3	329.8	332.9	33
52.3	53.9	(*)	189.3	189.6	(*)	54.7	56.1	(*)	145.7	154.5	(*)	120.3	120.0	(*)	34
8.0	8.0	(*)	37.0	36.4	(*)	8.2	8.1	(*)	28.8	28.7	(*)	22.7	22.2	(*)	35
6.6	6.7	(*)	34.2	33.2	(*)	7.2	7.2	(*)	30.5	31.1	(*)	33.5	33.2	(*)	36
44.4	43.2	43.0	140.1	131.8	133.6	21.8	21.6	21.6	96.1	98.7	98.6	122.5	123.4	123.4	37
9.9	10.0	10.0	28.8	27.5	28.0	5.0	5.1	5.0	19.9	20.6	20.5	20.5	20.7	20.7	38
10.1	9.8	9.8	24.6	24.0	24.6	4.0	3.9	3.9	15.5	15.9	15.8	17.7	17.7	17.7	39
2.7	2.6	2.6	13.1	12.5	12.7	2.1	2.2	2.2	9.2	9.4	9.1	10.4	9.9	9.9	40
3.7	3.6	3.6	16.1	15.8	16.1	2.6	2.7	2.7	12.9	13.4	13.4	8.1	7.9	7.9	41
95.7	94.0	93.2	466.7	481.4	485.5	92.9	96.3	96.1	359.2	383.6	383.4	312.6	314.5	317.6	42
4.8	5.0	4.9	29.0	29.4	29.7	5.2	5.5	5.5	20.4	21.6	21.6	17.3	17.4	17.7	43
2.7	2.7	2.7	13.3	14.0	14.1	1.6	1.6	1.6	9.5	10.1	10.1	11.1	11.0	11.2	44
6.1	6.4	6.3	20.9	20.9	20.9	2.5	2.4	2.5	14.4	15.1	15.1	10.4	11.0	11.2	45
2.4	2.1	2.1	12.0	12.0	12.1	1.4	1.5	1.5	8.5	8.5	8.4	6.7	6.8	7.0	46
1.5	1.4	1.4	8.6	8.6	8.7	1.0	1.1	1.1	7.7	8.1	8.0	6.7	6.7	6.7	47
2.5	2.4	2.4	12.1	12.7	12.9	1.1	1.1	1.1	9.4	10.4	10.4	6.5	6.4	6.5	48
6.4	6.7	6.6	37.7	37.5	38.9	12.5	13.3	13.3	31.7	34.2	34.0	58.0	59.2	59.3	49
36.2	34.6	34.3	155.9	157.3	159.8	38.8	39.3	39.3	141.8	152.9	153.1	77.8	78.7	79.2	50
2.0	2.0	2.0	13.8	13.5	13.4	2.3	2.4	2.4	11.1	11.8	11.7	8.8	8.9	9.0	51
16.8	18.1	18.2	45.1	42.1	42.1	7.2	7.1	7.3	28.0	28.6	28.5	43.4	44.2	43.4	52
2.8	3.3	3.3	10.5	10.2	10.4	1.6	1.8	1.8	6.2	5.9	6.0	5.3	6.0	5.9	53
4.4	4.6	4.2	7.2	6.7	6.5	1.6	1.5	1.5	4.5	4.8	4.8	8.4	8.6	8.6	54
17.8	17.4	(*)	116.5	113.6	(*)	25.7	27.2	(*)	83.0	83.3	(*)	243.9	(*)	(*)	55
(*)	(*)	(*)	5.7	5.5	(*)	(*)	(*)	(*)	(*)	(*)	(*)	10.5	10.5	(*)	56
(*)	(*)	(*)	6.2	6.1	(*)	(*)	(*)	(*)	(*)	(*)	(*)	14.6	14.5	(*)	57
(*)	(*)	(*)	7.7	7.6	(*)	(*)	(*)	(*)	(*)	(*)	(*)	17.7	17.3	(*)	58
14.3	13.2	(*)	72.6	71.0	(*)	19.5	20.4	(*)	(*)	(*)	(*)	117.9	(*)	(*)	59
2.3	2.4	2.3	7.2	6.8	7.2	1.4	1.4	1.4	6.0	5.4	5.5	13.3	13.2	13.4	60

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

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁴ Total includes data for industry divisions not shown separately.

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

p = preliminary.
* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA HISTORICAL HOURS AND EARNINGS

C-1. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, 1960 to date

Year and month	Average												
	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Weekly earnings	Weekly hours	Hourly earnings	Hourly earnings excl. overtime
	Total private ¹			Mining			Construction			Manufacturing			
1960.....	\$80.67	38.6	\$2.09	\$105.04	40.4	\$2.60	\$112.67	36.7	\$3.07	\$89.72	39.7	\$2.26	\$2.19
1961.....	82.60	38.6	2.14	106.92	40.5	2.64	118.08	36.9	3.20	92.34	39.8	2.32	2.25
1962.....	85.91	38.7	2.22	110.70	41.0	2.70	122.47	37.0	3.31	96.56	40.4	2.39	2.31
1963.....	88.46	38.8	2.28	114.40	41.6	2.75	127.19	37.3	3.41	99.23	40.5	2.45	2.37
1964.....	91.33	38.7	2.36	117.74	41.9	2.81	132.06	37.2	3.55	102.97	40.7	2.53	2.43
1965.....	95.45	38.8	2.46	123.52	42.3	2.92	138.38	37.4	3.70	107.53	41.2	2.61	2.50
1966.....	98.82	38.6	2.56	130.24	42.7	3.05	146.26	37.6	3.89	112.19	41.4	2.71	2.59
1967.....	101.84	38.0	2.68	135.89	42.6	3.19	154.95	37.7	4.11	114.49	40.6	2.82	2.71
1968.....	107.73	37.8	2.85	142.71	42.6	3.35	164.49	37.3	4.41	122.51	40.7	3.01	2.88
1969.....	114.61	37.7	3.04	154.80	43.0	3.60	181.54	37.9	4.79	129.51	40.6	3.19	3.05
1970.....	119.83	37.1	3.23	164.40	42.7	3.85	195.45	37.3	5.24	133.33	39.8	3.35	3.23
1971.....	127.31	36.9	3.45	172.14	42.4	4.06	211.67	37.2	5.69	142.44	39.9	3.57	3.45
1972.....	136.90	37.0	3.70	189.14	42.6	4.44	221.19	36.5	6.06	154.71	40.5	3.82	3.66
1973.....	145.39	36.9	3.94	201.40	42.4	4.75	235.89	36.8	6.41	166.46	40.7	4.09	3.91
1974.....	154.76	36.5	4.24	219.14	41.9	5.23	249.25	36.6	6.81	176.80	40.0	4.42	4.25
1975.....	163.53	36.1	4.53	249.31	41.9	5.95	266.08	36.4	7.31	190.79	39.5	4.83	4.67
1976.....	175.45	36.1	4.86	273.90	42.4	6.46	283.73	36.8	7.71	209.32	40.1	5.22	5.02
1977.....	189.00	36.0	5.25	301.20	43.4	6.94	295.65	36.5	8.10	228.90	40.3	5.68	5.44
1978.....	203.70	35.8	5.69	332.88	43.4	7.67	318.69	36.8	8.66	249.27	40.4	6.17	5.91
1979.....	219.30	35.6	6.16	365.50	43.0	8.50	342.99	37.0	9.27	268.94	40.2	6.69	6.43
1980, P....	235.10	35.3	6.66	396.58	43.2	9.18	367.41	37.0	9.93	288.62	39.7	7.27	-
1979:													
DEC.....	229.04	35.9	6.38	384.13	43.9	8.75	356.38	37.2	9.58	285.07	40.9	6.97	6.69
1980:													
JAN.....	225.34	35.1	6.42	385.39	43.4	8.88	335.00	35.3	9.49	277.01	39.8	6.96	6.71
FEB.....	226.75	35.1	6.46	384.48	43.2	8.50	343.08	35.7	9.61	278.60	39.8	7.00	6.75
MAR.....	229.15	35.2	6.51	388.43	43.4	8.95	350.42	36.2	9.68	280.99	39.8	7.06	6.81
APR.....	228.55	35.0	6.53	389.48	42.8	9.10	355.62	36.7	9.69	279.35	39.4	7.09	6.85
MAY.....	229.95	35.0	6.57	387.72	42.7	9.08	360.51	36.9	9.77	280.21	39.3	7.13	6.91
JUN.....	233.33	35.3	6.61	395.71	43.2	9.16	371.80	37.9	9.81	283.68	39.4	7.20	6.98
JUL.....	234.39	35.3	6.64	380.45	41.9	9.08	373.61	37.7	9.91	282.85	38.8	7.29	7.07
AUG.....	237.14	35.5	6.68	395.66	43.1	9.18	374.87	37.3	10.05	286.89	39.3	7.30	7.05
SEPT.....	240.04	35.3	6.80	405.42	43.5	9.32	386.20	37.9	10.19	294.57	39.7	7.42	7.16
OCT.....	242.16	35.3	6.86	407.60	43.5	9.37	388.48	37.9	10.25	298.10	39.8	7.49	7.23
NOV, P..	244.28	35.3	6.92	414.12	43.5	9.52	375.81	36.7	10.24	305.12	40.2	7.59	7.32
DEC, P..	247.76	35.7	6.94	419.39	44.1	9.51	381.84	37.0	10.32	315.70	41.0	7.70	7.40
	Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			
1960.....	-	-	-	\$66.01	38.6	\$1.71	\$75.14	37.2	\$2.02	-	-	-	-
1961.....	-	-	-	67.41	38.3	1.76	77.12	36.9	2.09	-	-	-	-
1962.....	-	-	-	69.91	38.2	1.83	80.94	37.3	2.17	-	-	-	-
1963.....	-	-	-	72.01	38.1	1.89	84.38	37.5	2.25	-	-	-	-
1964.....	\$118.78	41.1	\$2.89	74.66	37.9	1.97	85.79	37.3	2.30	\$70.03	36.1	\$1.94	-
1965.....	125.14	41.3	3.03	76.91	37.7	2.04	88.91	37.2	2.39	73.60	35.9	2.05	-
1966.....	128.13	41.2	3.11	79.39	37.1	2.14	92.13	37.3	2.47	77.04	35.5	2.17	-
1967.....	130.82	40.5	3.23	82.35	36.6	2.25	95.72	37.1	2.58	80.38	35.1	2.29	-
1968.....	138.85	40.6	3.42	87.00	36.1	2.41	101.75	37.0	2.75	83.97	34.7	2.42	-
1969.....	147.74	40.7	3.63	91.39	35.7	2.56	108.70	37.1	2.93	90.57	34.7	2.61	-
1970.....	155.93	40.5	3.85	96.02	35.3	2.72	112.67	36.7	3.07	96.66	34.4	2.81	-
1971.....	168.82	40.1	4.21	101.09	35.1	2.88	117.85	36.6	3.22	103.06	33.9	3.04	-
1972.....	187.86	40.4	4.65	106.45	34.9	3.05	122.98	36.6	3.36	110.85	33.9	3.27	-
1973.....	203.31	40.5	5.02	111.76	34.6	3.23	129.20	36.6	3.53	117.29	33.8	3.47	-
1974.....	217.48	40.2	5.41	119.02	34.2	3.48	137.61	36.5	3.77	126.00	33.6	3.75	-
1975.....	233.44	39.7	5.88	126.45	33.9	3.73	148.19	36.5	4.06	134.67	33.5	4.02	-
1976.....	256.71	39.8	6.45	133.79	33.7	3.97	155.43	36.4	4.27	143.52	33.3	4.31	-
1977.....	278.90	39.9	6.99	142.52	33.3	4.28	165.26	36.4	4.54	153.45	33.0	4.65	-
1978.....	302.80	40.0	7.57	153.64	32.9	4.67	178.00	36.4	4.89	163.67	32.8	4.99	-
1979.....	325.98	39.9	8.17	164.96	32.6	5.06	190.77	36.2	5.27	175.27	32.7	5.36	-
1980, P....	351.65	39.6	8.88	175.91	32.1	5.48	209.24	36.2	5.78	190.71	32.6	5.85	-
1979:													
DEC.....	341.60	40.0	8.54	170.42	32.9	5.18	199.47	36.4	5.48	184.01	32.8	5.61	-
1980:													
JAN.....	337.73	39.5	8.55	170.35	31.9	5.34	200.19	36.2	5.53	183.63	32.5	5.65	-
FEB.....	338.05	39.4	8.58	170.98	31.9	5.36	203.28	36.3	5.60	185.25	32.5	5.70	-
MAR.....	340.49	39.5	8.62	172.80	32.0	5.40	206.18	36.3	5.68	186.88	32.5	5.75	-
APR.....	344.05	39.5	8.71	171.72	31.8	5.40	205.62	36.2	5.68	186.30	32.4	5.75	-
MAY.....	342.70	39.3	8.72	172.90	31.9	5.42	205.77	36.1	5.70	187.02	32.3	5.79	-
JUN.....	346.50	39.6	8.75	175.39	32.3	5.43	210.03	36.4	5.77	190.57	32.8	5.81	-
JUL.....	355.11	39.9	8.90	178.10	32.5	5.48	208.87	36.2	5.77	191.65	33.1	5.79	-
AUG.....	355.32	39.7	8.95	179.20	32.7	5.48	211.27	36.3	5.82	192.31	33.1	5.81	-
SEPT.....	358.89	39.7	9.04	178.48	32.1	5.56	211.91	36.1	5.87	192.73	32.5	5.93	-
OCT.....	366.16	39.8	9.20	179.44	32.1	5.59	214.53	36.3	5.91	195.60	32.6	6.00	-
NOV, P..	369.47	39.9	9.26	180.16	32.0	5.63	218.16	36.3	6.01	198.53	32.6	6.09	-
DEC, P..	372.00	40.0	9.30	182.65	32.5	5.62	217.92	36.2	6.02	199.14	32.7	6.09	-

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

p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

c = corrected.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
-	TOTAL PRIVATE	\$225.70	\$229.04	\$242.16	\$244.28	\$247.76	\$6.34	\$6.38	\$6.66	\$6.92	\$6.94
-	MINING	380.63	384.13	407.60	414.12	419.39	8.73	8.75	9.37	9.52	9.51
10	METAL MINING	403.91	408.66	420.03	436.15	-	9.78	9.80	10.58	10.69	-
101	Iron ores	437.84	424.35	401.32	416.05	-	10.23	10.35	11.21	11.43	-
102	Copper ores	429.66	432.43	445.76	474.99	-	10.23	10.08	11.20	11.15	-
11, 12	COAL MINING	431.17	430.14	443.76	451.67	-	10.44	10.34	10.93	11.18	-
12	BITUMINOUS COAL AND LIGNITE MINING	432.41	431.39	445.38	453.29	-	10.47	10.37	10.97	11.22	-
13	OIL AND GAS EXTRACTION	361.38	366.28	401.74	404.04	-	7.96	8.05	8.81	8.88	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	375.84	375.74	404.33	406.39	-	8.97	9.12	9.79	9.84	-
138	Oil and gas field services	355.85	362.20	400.44	404.20	-	7.62	7.69	8.52	8.60	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	319.50	322.73	344.76	347.51	-	7.10	7.14	7.80	7.88	-
142	Crushed and broken stone	311.20	318.45	328.41	331.97	-	6.78	6.79	7.38	7.41	-
-	CONSTRUCTION	348.43	356.38	388.48	375.81	381.84	9.52	9.58	10.25	10.24	10.32
15	GENERAL BUILDING CONTRACTORS	314.87	323.76	347.97	339.70	-	8.82	8.87	9.43	9.41	-
152	Residential building construction	295.68	306.61	326.70	315.77	-	8.40	8.47	9.00	8.92	-
153	Operative builders	283.19	291.61	309.96	305.25	-	7.78	7.86	8.31	8.25	-
154	Nonresidential building construction	337.38	343.71	372.00	366.16	-	9.32	9.34	9.92	9.95	-
16	HEAVY CONSTRUCTION CONTRACTORS	353.12	341.25	396.76	382.80	-	8.85	8.75	9.63	9.57	-
161	Highway and street construction	350.55	321.31	386.13	361.67	-	8.55	8.26	9.15	8.93	-
162	Heavy construction, except highway	354.60	349.95	402.70	391.44	-	9.00	8.95	9.87	9.86	-
17	SPECIAL TRADE CONTRACTORS	363.78	378.67	405.50	392.39	-	10.19	10.29	10.93	10.93	-
171	Plumbing, heating, air conditioning	380.18	393.72	423.64	409.96	-	10.22	10.28	11.09	11.05	-
172	Painting, paper hanging, decorating	316.63	336.30	350.24	334.62	-	9.34	9.50	9.95	9.90	-
173	Electrical work	417.75	440.74	463.60	451.66	-	11.26	11.33	12.20	12.24	-
174	Masonry, stonework, and plastering	335.65	345.31	383.06	368.77	-	9.96	9.98	10.73	10.72	-
175	Carpentering and flooring	318.09	327.23	343.77	344.57	-	9.22	9.27	9.85	9.93	-
176	Roofing and sheet metal work	287.79	296.18	340.03	322.27	-	8.91	9.03	9.66	9.62	-
-	MANUFACTURING **	276.86	285.07	298.10	305.12	315.70	6.87	6.97	7.49	7.59	7.70
24, 25, 32-39	DURABLE GOODS	297.43	308.67	323.21	330.89	344.44	7.29	7.42	8.02	8.13	8.26
20-23, 26-31	NONDURABLE GOODS	245.92	249.77	262.75	266.85	273.32	6.21	6.26	6.72	6.79	6.85
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	241.34	244.61	264.99	266.17	268.77	6.22	6.24	6.76	6.79	6.77
241	Logging camps and logging contractors	319.73	311.92	344.19	335.63	-	8.37	8.23	8.94	8.95	-
242	Sawmills and planing mills	250.49	256.80	272.53	276.90	-	6.39	6.42	6.97	7.01	-
2421	Sawmills and planing mills, general	262.75	269.60	285.38	290.33	-	6.72	6.74	7.28	7.35	-
2426	Hardwood dimension and flooring	175.08	180.14	187.40	191.35	-	4.41	4.47	4.83	4.82	-
243	Millwork, plywood, and structural members	236.29	239.85	261.76	266.93	-	6.09	6.15	6.61	6.69	-
2431	Millwork	232.46	236.79	260.43	263.87	-	5.93	6.01	6.56	6.63	-
2434	Wood kitchen cabinets	212.62	214.51	223.18	230.40	-	5.61	5.66	5.92	6.00	-
2435	Hardwood veneer and plywood	192.72	201.80	209.32	214.49	-	4.83	4.91	5.22	5.27	-
2436	Softwood veneer and plywood	294.91	297.22	328.03	336.96	-	7.68	7.74	8.16	8.32	-
244	Wooden containers	176.15	179.63	192.66	192.98	-	4.66	4.69	5.07	5.16	-
245	Wood buildings and mobile homes	215.05	217.25	242.19	235.75	-	5.75	5.84	6.34	6.27	-
2451	Mobile homes	214.50	216.34	239.15	230.02	-	5.72	5.80	6.31	6.20	-
249	Miscellaneous wood products	205.02	210.01	222.86	224.56	-	5.10	5.16	5.53	5.60	-
25	FURNITURE AND FIXTURES	204.75	209.87	215.22	216.19	225.55	5.21	5.26	5.59	5.63	5.71
251	Household furniture	191.39	197.11	199.48	200.17	-	4.87	4.94	5.22	5.24	-
2511	Wood household furniture	181.55	186.35	187.50	187.89	-	4.55	4.59	4.82	4.83	-
2512	Upholstered household furniture	200.47	207.11	206.83	209.24	-	5.18	5.27	5.59	5.64	-
2514	Metal household furniture	199.36	204.57	212.98	211.58	-	5.06	5.14	5.59	5.51	-
2515	Mattresses and bedspings	207.81	217.40	217.33	214.54	-	5.44	5.56	5.78	5.83	-
252	Office furniture	221.60	226.89	237.37	244.16	-	5.61	5.63	6.04	6.15	-
253	Public building and related furniture	210.92	218.44	232.46	236.16	-	5.58	5.63	5.90	6.04	-
254	Partitions and fixtures	255.42	259.05	266.47	266.81	-	6.45	6.46	6.85	6.93	-
259	Miscellaneous furniture and fixtures	229.32	233.74	245.16	244.05	-	5.88	5.80	6.27	6.29	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
-	TOTAL PRIVATE	35.6	35.9	35.3	35.3	35.7	-	-	-	-	-
-	MINING	43.6	43.9	43.5	43.5	44.1	-	-	-	-	-
10	METAL MINING	41.3	41.7	39.7	40.8	-	-	-	-	-	-
101	Iron ores	42.8	41.0	35.8	36.4	-	-	-	-	-	-
102	Copper ores	42.0	42.9	39.8	42.6	-	-	-	-	-	-
11, 12	COAL MINING	41.3	41.6	40.6	40.4	-	-	-	-	-	-
12	BITUMINOUS COAL AND LIGNITE MINING	41.3	41.6	40.6	40.4	-	-	-	-	-	-
13	OIL AND GAS EXTRACTION	45.4	45.5	45.6	45.5	-	-	-	-	-	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.9	41.2	41.3	41.3	-	-	-	-	-	-
138	Oil and gas field services	46.7	47.1	47.0	47.0	-	-	-	-	-	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	45.0	45.2	44.2	44.1	-	-	-	-	-	-
142	Crushed and broken stone	45.9	46.9	44.5	44.8	-	-	-	-	-	-
-	CONSTRUCTION	36.6	37.2	37.9	36.7	37.0	-	-	-	-	-
15	GENERAL BUILDING CONTRACTORS	35.7	36.5	36.9	36.1	-	-	-	-	-	-
152	Residential building construction	35.2	36.2	36.3	35.4	-	-	-	-	-	-
153	Operative builders	36.4	37.1	37.3	37.0	-	-	-	-	-	-
154	Nonresidential building construction	36.2	36.8	37.5	36.8	-	-	-	-	-	-
16	HEAVY CONSTRUCTION CONTRACTORS	39.9	39.0	41.2	40.0	-	-	-	-	-	-
161	Highway and street construction	41.0	38.9	42.2	40.5	-	-	-	-	-	-
162	Heavy construction, except highway	39.4	39.1	40.8	39.7	-	-	-	-	-	-
17	SPECIAL TRADE CONTRACTORS	35.7	36.8	37.1	35.9	-	-	-	-	-	-
171	Plumbing, heating, air conditioning	37.2	36.3	38.2	37.1	-	-	-	-	-	-
172	Painting, paper hanging, decorating	33.9	35.4	35.2	33.8	-	-	-	-	-	-
173	Electrical work	37.1	38.9	38.0	36.9	-	-	-	-	-	-
174	Masonry, stonework, and plastering	33.7	34.6	35.7	34.4	-	-	-	-	-	-
175	Carpentering and flooring	34.5	35.3	34.9	34.7	-	-	-	-	-	-
176	Roofing and sheet metal work	32.3	32.8	35.2	33.5	-	-	-	-	-	-
-	MANUFACTURING **	40.3	40.9	39.8	40.2	41.0	3.4	3.4	2.9	3.1	3.3
24, 25, 32-39	DURABLE GOODS	40.8	41.6	40.3	40.7	41.7	3.4	3.5	2.9	3.1	3.4
20-23, 26-31	NONDURABLE GOODS	39.6	39.9	39.1	39.3	39.9	3.3	3.2	2.9	3.0	3.1
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	38.8	39.2	39.2	39.2	39.7	3.2	3.1	3.1	3.0	-
241	Logging camps and logging contractors	38.2	37.9	38.5	37.5	-	3.7	3.5	4.3	3.4	-
242	Sawmills and planing mills	39.2	40.0	39.1	39.5	-	3.6	3.9	3.5	3.5	-
2421	Sawmills and planing mills, general	39.1	40.0	39.2	39.5	-	3.9	4.1	3.7	3.7	-
2426	Hardwood dimension and flooring	39.7	40.3	38.8	39.7	-	3.3	3.4	2.6	2.6	-
243	Millwork, plywood, and structural members	38.8	39.0	39.6	39.9	-	2.6	2.6	2.6	2.9	-
2431	Millwork	39.2	39.4	39.7	39.8	-	1.7	1.8	2.0	2.5	-
2434	Wood kitchen cabinets	37.9	37.9	37.7	38.4	-	1.9	2.1	1.7	1.6	-
2435	Hardwood veneer and plywood	39.9	41.1	40.1	40.7	-	3.9	3.8	3.5	3.4	-
2436	Softwood veneer and plywood	38.4	38.4	40.2	40.5	-	4.0	3.7	3.7	4.0	-
244	Wooden containers	37.8	38.3	38.0	37.4	-	2.5	2.6	1.9	1.7	-
245	Wood buildings and mobile homes	37.4	37.2	38.2	37.6	-	2.0	1.8	2.2	2.1	-
2451	Mobile homes	37.5	37.3	37.9	37.1	-	1.7	1.6	2.0	1.8	-
249	Miscellaneous wood products	40.2	40.7	40.3	40.1	-	3.6	3.3	2.9	2.8	-
25	FURNITURE AND FIXTURES	39.3	39.9	38.5	38.4	39.5	2.4	2.5	1.8	1.7	-
251	Household furniture	39.3	39.9	38.2	38.2	-	2.2	2.4	1.8	1.6	-
2511	Wood household furniture	39.9	40.6	38.9	38.9	-	2.7	2.8	1.9	1.8	-
2512	Upholstered household furniture	38.7	39.3	37.0	37.1	-	1.7	2.0	1.1	1.3	-
2514	Metal household furniture	39.4	39.8	38.1	38.4	-	1.5	1.7	2.6	1.9	-
2515	Mattresses and bedsprings	38.2	39.1	37.6	36.8	-	2.3	2.9	1.7	1.5	-
252	Office furniture	39.5	40.3	39.3	39.7	-	2.2	2.5	1.8	2.4	-
253	Public building and related furniture	37.8	38.8	39.4	39.1	-	2.5	2.9	2.2	1.9	-
254	Partitions and fixtures	39.6	40.1	38.9	38.5	-	3.2	3.0	2.4	1.9	-
259	Miscellaneous furniture and fixtures	39.0	40.3	39.1	38.8	-	2.2	2.4	1.2	1.1	-

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. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
32	STONE, CLAY, AND GLASS PRODUCTS	\$295.24	\$297.20	\$319.66	\$324.16	\$324.95	\$7.08	\$7.11	\$7.74	\$7.83	\$7.83
321	Flat glass	367.20	398.36	438.48	446.32	-	9.00	9.20	10.08	10.19	-
322	Glass and glassware, pressed or blown	295.87	301.51	329.24	332.49	-	7.36	7.39	8.19	8.23	-
3221	Glass containers	305.96	312.77	352.97	352.60	-	7.63	7.61	8.63	8.60	-
3229	Pressed and blown glass, nec	282.50	287.24	297.50	305.34	-	7.01	7.11	7.57	7.73	-
323	Products of purchased glass	271.88	277.72	272.57	290.91	-	6.52	6.55	6.73	6.91	-
324	Cement, hydraulic	430.84	414.40	457.26	470.68	-	10.09	9.82	10.81	11.18	-
325	Structural clay products	236.49	237.48	249.42	257.92	-	5.74	5.75	6.22	6.40	-
326	Pottery and related products	230.58	230.69	250.67	257.44	-	5.75	5.87	6.33	6.42	-
327	Concrete, gypsum, and plaster products	304.87	301.46	332.98	330.36	-	7.09	7.11	7.76	7.81	-
3271	Concrete block and brick	283.18	286.67	315.00	307.56	-	6.48	6.53	7.00	6.99	-
3272	Concrete products, nec	262.09	265.23	292.56	287.73	-	6.27	6.33	6.90	6.90	-
3273	Ready-mixed concrete	334.62	325.73	363.78	361.60	-	7.80	7.83	8.60	8.63	-
329	Misc. nonmetallic mineral products	296.81	302.46	308.10	315.95	-	7.05	7.10	7.57	7.65	-
3291	Abrasive products	275.81	292.16	292.07	295.66	-	6.81	7.04	7.32	7.41	-
3292	Asbestos products	298.03	300.24	308.45	313.34	-	7.13	7.20	7.56	7.68	-
33	PRIMARY METAL INDUSTRIES **	376.88	379.55	402.59	419.21	434.30	9.26	9.28	10.09	10.30	10.44
331	Blast furnace and basic steel products **	433.82	426.01	458.25	482.00	-	10.90	10.84	11.75	12.02	-
3312	Blast furnaces and steel mills **	448.27	438.01	474.14	499.15	-	11.32	11.26	12.22	12.51	-
3317	Steel pipe and tubes	349.00	352.56	371.59	396.48	-	6.66	6.62	9.36	9.60	-
332	Iron and steel foundries	312.73	332.22	336.66	351.14	-	7.76	7.91	8.48	8.67	-
3321	Gray iron foundries	305.36	333.18	340.29	358.09	-	7.77	7.99	8.55	8.82	-
3322	Malleable iron foundries	341.09	350.99	359.28	368.38	-	8.57	8.54	9.43	9.47	-
3325	Steel foundries, nec	327.33	332.13	328.28	337.39	-	7.72	7.76	8.25	8.31	-
333	Primary nonferrous metals	411.73	414.66	460.90	469.11	-	9.85	9.92	11.00	11.09	-
3334	Primary aluminum	419.99	431.73	505.61	493.38	-	10.37	10.53	11.65	11.86	-
335	Nonferrous rolling and drawing	355.14	363.29	383.88	397.71	-	8.24	8.39	9.25	9.38	-
3351	Copper rolling and drawing	324.86	313.22	325.48	343.74	-	7.52	7.44	7.90	8.05	-
3353	Aluminum sheet, plate, and foil	414.07	438.48	480.66	497.23	-	9.72	10.08	11.35	11.51	-
3357	Nonferrous wire drawing and insulating	332.13	338.34	361.42	371.78	-	7.76	7.85	8.73	8.81	-
336	Nonferrous foundries	277.26	284.54	302.80	306.73	-	6.88	6.94	7.57	7.63	-
3361	Aluminum foundries	286.42	292.11	314.31	318.68	-	7.02	7.09	7.78	7.83	-
34	FABRICATED METAL PRODUCTS	287.41	299.17	311.04	316.20	326.93	7.01	7.14	7.68	7.75	7.84
341	Metal cans and shipping containers	410.77	417.54	441.09	440.21	-	9.21	9.32	10.14	10.19	-
3411	Metal cans	424.65	431.49	457.98	456.57	-	9.50	9.61	10.48	10.52	-
342	Cutlery, hand tools, and hardware	268.53	280.57	286.89	297.60	-	6.73	6.86	7.30	7.44	-
3423, 5	Hand and edge tools, and hand saws and blades	271.01	274.39	270.13	283.77	-	6.61	6.66	6.98	7.13	-
3429	Hardware, nec	270.27	287.55	304.96	313.61	-	6.93	7.10	7.74	7.86	-
343	Plumbing and heating, except electric	248.62	261.45	269.89	270.68	-	6.20	6.30	6.85	6.87	-
3432	Plumbing fittings and brass goods	240.20	253.15	260.43	264.80	-	5.99	6.10	6.61	6.67	-
3433	Heating equipment, except electric	239.60	246.64	260.29	258.84	-	6.02	6.06	6.64	6.62	-
344	Fabricated structural metal products	281.95	290.09	300.58	307.57	-	6.86	6.94	7.44	7.52	-
3441	Fabricated structural metal	301.81	311.10	320.85	328.18	-	7.29	7.32	7.75	7.87	-
3442	Metal doors, sash, and trim	221.20	227.29	240.20	248.67	-	5.53	5.64	5.99	6.08	-
3443	Fabricated plate work (boiler shops)	322.06	332.67	339.90	351.54	-	7.56	7.63	8.25	8.39	-
3444	Sheet metal work	269.68	277.78	294.03	293.57	-	6.81	6.91	7.52	7.47	-
3446	Architectural metal work	262.92	263.22	281.20	284.21	-	6.46	6.42	7.03	7.07	-
345	Screw machine products, bolts, etc.	283.05	286.52	288.77	297.25	-	6.66	6.71	7.13	7.25	-
3451	Screw machine products	259.76	265.59	259.38	262.68	-	6.17	6.22	6.55	6.65	-
3452	Bolts, nuts, rivets, and washers	305.45	306.72	317.60	331.93	-	7.12	7.20	7.69	7.81	-
346	Metal forgings and stampings	315.61	343.16	366.13	367.28	-	7.91	8.19	8.93	8.98	-
3462	Iron and steel forgings	336.18	357.14	376.32	378.41	-	8.62	8.84	9.60	9.58	-
3465	Automotive stampings	362.62	418.20	467.67	456.92	-	9.37	9.84	11.03	11.01	-
3469	Metal stampings, nec	257.71	264.35	278.94	284.00	-	6.24	6.31	6.82	6.91	-
347	Metal services, nec	231.01	235.58	250.50	253.38	-	5.69	5.76	6.08	6.18	-
3471	Plating and polishing	222.31	228.48	239.19	242.00	-	5.53	5.60	5.95	6.05	-
3479	Metal coating and allied services	251.26	251.32	273.66	276.49	-	6.04	6.10	6.32	6.43	-
348	Ordnance and accessories, nec	290.63	294.98	313.70	318.94	-	7.02	7.04	7.67	7.76	-
3483	Ammunition, exc. for small arms, nec	267.15	266.18	276.71	285.53	-	6.58	6.54	6.97	7.05	-
349	Misc. fabricated metal products	275.47	284.34	289.67	297.27	-	6.67	6.77	7.26	7.34	-
3494	Valves and pipe fittings	297.36	307.01	311.58	319.80	-	7.08	7.19	7.77	7.80	-
3496	Misc. fabricated wire products	242.43	251.40	256.07	262.68	-	5.87	6.00	6.37	6.47	-
35	MACHINERY, EXCEPT ELECTRICAL	313.50	325.80	340.25	348.57	362.52	7.50	7.63	8.36	8.44	8.55
351	Engines and turbines	358.09	370.27	396.78	407.55	-	9.02	9.12	10.20	10.24	-
3511	Turbines and turbine generator sets	336.98	346.05	390.86	397.40	-	8.30	8.38	9.51	9.53	-
3519	Internal combustion engines, nec	364.98	377.74	399.19	411.21	-	9.24	9.35	10.45	10.49	-
352	Farm and garden machinery	334.82	376.58	402.59	405.42	-	8.01	8.52	10.09	10.06	-
3523	Farm machinery and equipment	348.13	394.65	420.73	424.50	-	8.23	8.77	10.44	10.43	-
353	Construction and related machinery	324.66	331.89	366.71	372.78	-	7.88	7.94	9.01	9.07	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
32	STONE, CLAY, AND GLASS PRODUCTS	41.7	41.8	41.3	41.4	41.5	4.4	4.1	4.1	4.1	-
321	Flat glass	40.8	43.3	43.5	43.8	-	3.8	3.7	4.5	4.7	-
322	Glass and glassware, pressed or blown	40.2	40.8	40.2	40.4	-	4.0	3.9	3.9	3.8	-
3221	Glass containers	40.1	41.1	40.9	41.0	-	4.3	4.3	4.4	4.2	-
3229	Pressed and blown glass, nec	40.3	42.4	39.3	39.5	-	3.5	3.5	3.2	3.2	-
323	Products of purchased glass	41.7	42.4	40.5	42.1	-	3.2	3.5	3.5	4.1	-
324	Cement, hydraulic	42.7	42.2	42.3	42.1	-	4.2	4.0	3.3	3.2	-
325	Structural clay products	41.2	41.3	40.1	40.3	-	4.2	3.8	3.0	3.2	-
326	Pottery and related products	40.1	39.3	39.6	40.1	-	2.8	2.3	2.8	2.8	-
327	Concrete, gypsum, and plaster products	43.0	42.4	42.8	42.3	-	5.7	5.1	5.7	5.4	-
3271	Concrete block and brick	43.7	43.9	45.0	44.0	-	6.1	5.4	6.0	5.5	-
3272	Concrete products, nec	41.8	41.9	42.4	41.7	-	4.6	4.4	4.9	4.6	-
3273	Ready-mixed concrete	42.9	41.6	42.3	41.9	-	5.9	4.9	6.0	5.6	-
329	Misc. nonmetallic mineral products	42.1	42.6	40.7	41.3	-	4.2	4.1	3.1	3.4	-
3291	Abrasive products	40.5	41.5	39.9	39.9	-	3.5	3.6	2.5	2.5	-
3292	Asbestos products	41.8	41.7	40.8	40.8	-	3.2	3.5	2.9	3.1	-
33	PRIMARY METAL INDUSTRIES **	40.7	40.9	39.9	40.7	41.6	3.6	3.4	2.7	3.1	-
331	Blast furnace and basic steel products **	39.8	39.3	39.0	40.1	-	3.0	2.5	2.1	2.4	-
3312	Blast furnaces and steel mills **	39.6	38.9	38.8	39.9	-	2.8	2.3	1.9	2.3	-
3317	Steel pipe and tubes	40.3	40.9	39.7	41.3	-	2.6	2.8	2.9	3.4	-
332	Iron and steel foundries	40.3	42.0	39.7	40.5	-	3.3	3.6	2.7	3.1	-
3321	Gray iron foundries	39.3	41.7	39.8	40.6	-	2.8	3.1	2.6	3.1	-
3322	Malleable iron foundries	39.8	41.1	38.1	38.9	-	3.8	3.7	2.0	2.7	-
3325	Steel foundries, nec	42.4	42.8	39.6	40.6	-	4.3	4.6	3.1	3.2	-
333	Primary nonferrous metals	41.8	41.8	41.9	42.3	-	4.0	3.8	3.5	4.2	-
3334	Primary aluminum	40.5	41.0	43.4	41.6	-	4.0	3.8	3.8	3.8	-
335	Nonferrous rolling and drawing	43.1	43.3	41.5	42.4	-	5.5	5.3	4.0	4.7	-
3351	Copper rolling and drawing	43.2	42.1	41.2	42.7	-	5.6	5.2	3.6	4.6	-
3353	Aluminum sheet, plate and foil	42.6	43.5	42.2	43.2	-	6.3	6.3	5.9	5.9	-
3357	Nonferrous wire drawing and insulating	42.8	43.1	41.4	42.2	-	5.0	4.9	4.0	4.7	-
336	Nonferrous foundries	40.3	41.0	40.0	40.2	-	3.0	3.1	2.3	2.4	-
3361	Aluminum foundries	40.8	41.2	40.4	40.7	-	3.3	3.4	2.4	2.6	-
34	FABRICATED METAL PRODUCTS	41.0	41.9	40.5	40.8	41.7	3.4	3.6	2.8	3.0	-
341	Metal cans and shipping containers	44.6	44.8	43.5	43.2	-	5.3	4.9	4.2	4.0	-
3411	Metal cans	44.7	44.9	43.7	43.4	-	5.2	4.8	4.1	3.7	-
342	Cutlery, hand tools, and hardware	39.9	40.9	39.3	40.0	-	2.8	3.0	2.2	2.6	-
3423, 5	Hand and edge tools, and hand saws and blades	41.0	41.2	38.7	35.8	-	3.2	3.2	1.5	2.1	-
3429	Hardware, nec	39.0	40.5	39.4	39.9	-	2.4	2.5	2.5	2.8	-
343	Plumbing and heating, except electric	40.1	41.5	39.4	39.4	-	3.0	3.6	2.1	2.3	-
3432	Plumbing fittings and brass goods	40.1	41.5	39.4	39.7	-	2.7	3.5	1.5	1.7	-
3433	Heating equipment, except electric	39.8	40.7	39.2	39.1	-	3.2	3.4	2.4	2.8	-
344	Fabricated structural metal products	41.1	41.8	40.4	40.9	-	3.4	3.6	2.8	3.1	-
3441	Fabricated structural metal	41.4	42.5	41.4	41.7	-	3.6	4.0	3.1	3.5	-
3442	Metal doors, sash, and trim	40.0	40.3	40.1	40.9	-	2.9	3.0	2.7	3.1	-
3443	Fabricated plate work (boiler shops)	42.6	43.6	41.2	41.9	-	3.8	4.0	3.1	3.5	-
3444	Sheet metal work	39.6	40.2	39.1	39.3	-	3.1	3.1	2.5	2.2	-
3446	Architectural metal work	40.7	41.0	40.0	40.2	-	3.2	3.5	2.8	2.8	-
345	Screw machine products, bolts, etc.	42.5	42.7	40.5	41.0	-	4.6	4.6	3.0	3.3	-
3451	Screw machine products	42.1	42.7	39.6	39.5	-	4.8	5.2	3.0	2.8	-
3452	Bolts, nuts, rivets, and washers	42.9	42.6	41.3	42.5	-	4.4	4.0	3.1	3.9	-
346	Metal forgings and stampings	39.9	41.9	41.0	40.9	-	3.1	3.1	3.5	3.4	-
3462	Iron and steel forgings	39.0	40.4	39.2	39.5	-	3.4	3.6	3.0	3.0	-
3465	Automotive stampings	38.7	42.5	42.4	41.5	-	1.8	1.9	4.3	4.0	-
3469	Metal stampings, nec	41.3	41.9	40.9	41.1	-	3.8	3.7	2.9	2.9	-
347	Metal services, nec	40.6	40.9	41.2	41.0	-	3.8	3.9	2.2	2.4	-
3471	Plating and polishing	40.2	40.8	40.2	40.0	-	3.3	3.5	3.1	3.0	-
3479	Metal coating and allied services	41.6	41.2	43.3	43.0	-	4.8	4.7	3.5	1.0	-
348	Ordnance and accessories, nec	41.4	41.9	40.9	41.1	-	2.9	3.1	3.0	3.1	-
3483	Ammunition, exc. for small arms, nec	40.6	40.7	39.7	40.5	-	2.2	2.1	2.3	2.3	-
349	Misc. fabricated metal products	41.3	42.0	39.9	40.5	-	3.3	3.6	2.4	2.7	-
3494	Valves and pipe fittings	42.0	42.7	40.1	41.0	-	3.8	4.3	2.8	3.1	-
3496	Misc. fabricated wire products	41.3	41.9	40.2	40.6	-	3.3	3.4	2.5	2.6	-
35	MACHINERY, EXCEPT ELECTRICAL	41.8	42.7	40.7	41.3	42.4	4.1	4.5	3.1	3.3	-
351	Engines and turbines	39.7	40.6	38.9	39.8	-	2.9	3.5	2.2	2.5	-
3511	Turbines and turbine generator sets	40.6	41.3	41.1	41.7	-	3.7	4.7	4.1	4.4	-
3519	Internal combustion engines, nec	39.5	40.4	38.2	39.2	-	2.7	3.1	1.5	1.9	-
352	Farm and garden machinery	41.8	44.2	39.9	40.3	-	4.3	4.6	2.7	2.4	-
3523	Farm machinery and equipment	42.3	45.0	40.3	40.7	-	4.6	4.9	2.9	2.5	-
363	Construction and related machinery	41.2	41.8	40.7	41.1	-	3.7	4.1	2.8	3.0	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	\$334.31	\$334.15	\$385.44	\$395.75	-	\$8.55	\$8.59	\$10.09	\$10.07	-
3532	Mining machinery	340.17	354.28	355.88	367.98	-	8.08	8.22	8.68	8.91	-
3533	Oil field machinery	329.72	336.82	383.00	392.67	-	7.65	7.69	8.53	8.63	-
3535	Conveyers and conveying equipment	293.82	309.21	321.59	314.38	-	7.08	7.31	7.98	8.02	-
3537	Industrial trucks and tractors	296.70	310.17	302.90	297.70	-	7.29	7.35	7.95	7.96	-
354	Metalworking machinery	340.17	350.86	349.87	359.13	-	7.82	7.92	8.37	8.49	-
3541	Machine tools, metal cutting types	364.05	377.48	370.23	379.75	-	8.09	8.26	8.59	8.67	-
3542	Machine tools, metal forming types	348.43	357.18	345.26	356.18	-	8.16	8.23	8.61	8.73	-
3544	Special dies, tools, jigs, and fixtures	363.15	380.40	381.31	385.15	-	8.31	8.51	8.93	9.02	-
3545	Machine tool accessories	308.29	310.89	310.75	320.66	-	7.22	7.18	7.73	7.84	-
3548	Power driven hand tools	257.00	257.55	260.89	275.56	-	6.09	6.06	6.41	6.64	-
355	Special industry machinery	303.12	314.06	317.34	326.88	-	7.20	7.27	7.74	7.82	-
3551	Food products machinery	312.64	324.78	336.13	342.33	-	7.57	7.66	8.32	8.37	-
3552	Textile machinery	239.50	249.65	253.75	258.49	-	5.87	5.93	6.25	6.32	-
3555	Printing trades machinery	326.78	346.09	331.43	355.29	-	7.41	7.54	7.78	8.02	-
356	General industrial machinery	320.38	328.79	332.91	343.19	-	7.61	7.70	8.22	8.35	-
3561	Pumps and pumping equipment	314.71	332.48	327.18	335.64	-	7.62	7.75	8.20	8.37	-
3562	Ball and roller bearings	331.19	331.87	339.07	348.59	-	7.72	7.70	8.29	8.42	-
3563	Air and gas compressors	345.36	340.13	367.16	373.24	-	7.94	7.91	8.68	8.68	-
3564	Blowers and fans	288.15	297.37	307.57	315.33	-	6.91	7.03	7.52	7.58	-
3568	Speed changers, drives, and gears	358.13	384.75	369.90	383.80	-	8.29	8.55	9.00	9.16	-
3568	Power transmission equipment, nec	307.10	311.32	315.22	324.81	-	7.40	7.43	7.96	8.10	-
357	Office and computing machines	264.55	271.96	290.05	296.78	-	6.21	6.31	7.04	7.10	-
3573	Electronic computing equipment	265.42	275.39	286.77	293.58	-	6.26	6.36	6.91	6.99	-
358	Refrigeration and service machinery	272.68	285.52	300.05	311.40	-	6.80	6.93	7.52	7.67	-
3585	Refrigeration and heating equipment	277.49	293.62	310.34	322.29	-	6.92	7.08	7.72	7.88	-
359	Misc. machinery, except electrical	302.99	310.75	331.70	336.20	-	7.39	7.47	8.11	8.18	-
3592	Carburetors, pistons, rings, valves	336.36	357.20	411.18	422.00	-	8.43	8.67	9.79	10.00	-
3599	Machinery, except electrical, nec	296.64	302.74	318.27	321.47	-	7.20	7.26	7.82	7.86	-
	ELECTRIC AND ELECTRONIC EQUIPMENT	266.02	274.23	287.28	294.52	\$304.14	6.52	6.64	7.20	7.29	\$7.40
361	Electric distributing equipment	268.06	278.14	280.60	291.28	-	6.57	6.67	7.14	7.21	-
3612	Transformers	254.18	264.58	280.10	291.92	-	6.23	6.36	7.02	7.12	-
3613	Switchgear and switchboard apparatus	279.76	288.56	281.25	290.47	-	6.84	6.92	7.23	7.28	-
362	Electrical industrial apparatus	274.14	281.37	293.33	304.30	-	6.67	6.78	7.37	7.44	-
3621	Motors and generators	270.50	279.04	298.22	305.86	-	6.63	6.74	7.40	7.46	-
3622	Industrial controls	278.10	287.43	285.82	298.08	-	6.75	6.86	7.31	7.36	-
363	Household appliances	264.71	271.32	284.72	289.02	-	6.52	6.65	7.19	7.28	-
3632	Household refrigerators and freezers	294.17	298.16	333.32	336.61	-	7.21	7.29	8.11	8.21	-
3633	Household laundry equipment	312.26	350.24	346.98	336.18	-	7.71	8.07	8.74	8.62	-
3634	Electric housewares and fans	215.74	212.40	227.17	229.70	-	5.34	5.35	5.81	5.83	-
364	Electric lighting and wiring equipment	245.21	251.52	264.67	270.14	-	6.01	6.09	6.65	6.72	-
3641	Electric lamps	273.55	273.49	302.30	299.03	-	6.56	6.59	7.52	7.42	-
3643	Current-carrying wiring devices	237.69	240.24	244.99	256.44	-	5.70	5.72	6.14	6.27	-
3644	Noncurrent-carrying wiring devices	253.83	257.99	281.64	282.10	-	6.33	6.37	6.92	7.00	-
3645	Residential lighting fixtures	181.97	183.61	199.05	199.40	-	4.69	4.72	5.17	5.22	-
365	Radio and TV receiving equipment	234.42	240.52	258.46	261.35	-	5.98	6.12	6.56	6.65	-
3651	Radio and TV receiving sets	242.42	244.77	265.10	271.47	-	6.20	6.26	6.78	6.89	-
366	Communication equipment	318.59	326.48	332.10	338.24	-	7.64	7.70	8.20	8.27	-
3661	Telephone and telegraph apparatus	333.98	344.11	349.06	357.41	-	7.99	8.04	8.64	8.76	-
3662	Radio and TV communication equipment	305.76	312.06	319.93	325.51	-	7.35	7.43	7.88	7.92	-
367	Electronic components and accessories	226.29	234.93	246.09	251.77	-	5.56	5.73	6.23	6.31	-
3671-3	Electronic tubes	295.94	310.74	321.77	326.46	-	7.08	7.16	7.61	7.81	-
3674	Semiconductors and related devices	258.54	275.14	280.00	291.41	-	6.20	6.52	7.00	7.16	-
3679	Electronic components, nec	211.17	216.54	229.50	234.40	-	5.24	5.36	5.81	5.86	-
369	Misc. electrical equipment and supplies	301.99	314.64	341.04	351.41	-	7.42	7.60	8.40	8.55	-
3691	Storage batteries	304.91	300.13	344.44	352.80	-	7.51	7.56	8.34	8.40	-
3694	Engine electrical equipment	326.00	348.19	377.48	389.23	-	8.15	8.39	9.39	9.54	-
	TRANSPORTATION EQUIPMENT	355.78	381.31	401.55	412.00	444.43	8.72	8.93	9.77	9.88	10.17
37	Motor vehicles and equipment	363.37	401.97	432.19	440.35	-	9.13	9.37	10.49	10.56	-
3711	Motor vehicles and car bodies	390.04	438.44	476.74	478.72	-	9.80	10.01	11.46	11.48	-
3713	Truck and bus bodies	295.64	324.59	321.53	356.10	-	7.60	7.71	8.14	8.56	-
3714	Motor vehicle parts and accessories	355.91	384.99	416.72	429.00	-	8.92	9.08	10.09	10.19	-
3715,6	Truck trailers and motor homes	249.25	254.15	258.93	263.84	-	6.31	6.50	6.65	6.98	-
372	Aircraft and parts	373.24	387.15	399.49	417.18	-	8.68	8.84	9.58	9.77	-
3721	Aircraft	383.02	387.82	420.09	-	-	8.97	9.04	10.05	-	-
3724	Aircraft engines and engine parts	380.03	412.52	398.55	417.35	-	8.90	9.27	9.65	9.82	-
3728	Aircraft equipment, nec	345.74	357.85	360.80	376.25	-	7.84	7.97	8.57	8.75	-
373	Ship and boat building and repairing	305.12	312.98	348.09	344.66	-	7.59	7.69	8.49	8.51	-
3731	Shipbuilding and repairing	321.18	330.87	364.62	361.82	-	7.95	8.07	8.85	8.89	-
3732	Boat building and repairing	248.61	253.37	285.63	283.20	-	6.31	6.35	7.07	7.08	-
374	Railroad equipment	396.45	395.91	403.65	-	-	9.53	9.54	10.35	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
		MACHINERY, EXCEPT ELECTRICAL—Continued									
3531	Construction machinery	39.1	38.9	38.2	39.3	-	2.2	2.6	1.0	1.2	-
3532	Mining machinery	42.1	43.1	41.0	41.3	-	3.1	3.8	2.3	2.3	-
3533	Oil field machinery	43.1	43.8	44.9	45.5	-	5.4	6.0	5.4	6.3	-
3535	Conveyers and conveying equipment	41.5	42.3	40.3	39.2	-	3.7	3.5	2.9	2.2	-
3537	Industrial trucks and tractors	40.7	42.2	38.1	37.4	-	3.1	3.5	1.8	1.8	-
354	Metalworking machinery	43.5	44.3	41.8	42.3	-	5.8	6.1	4.3	4.6	-
3541	Machine tools, metal cutting types	45.0	45.7	43.1	43.8	-	6.8	7.3	5.2	5.7	-
3542	Machine tools, metal forming types	42.7	43.4	40.1	40.8	-	6.2	6.4	3.7	3.7	-
3544	Special dies, tools, jigs, and fixtures	43.7	44.7	42.7	42.7	-	5.9	6.2	5.3	5.1	-
3545	Machine tool accessories	42.7	43.3	40.2	40.9	-	5.7	5.8	3.1	3.7	-
3546	Power driven hand tools	42.2	42.5	40.7	41.5	-	4.4	4.7	2.0	2.8	-
355	Special industry machinery	42.1	43.2	41.0	41.8	-	4.1	4.5	2.9	3.2	-
3551	Food products machinery	41.3	42.4	40.4	40.9	-	3.6	4.1	2.6	2.6	-
3552	Textile machinery	40.8	42.1	40.6	40.9	-	3.0	3.6	2.0	2.1	-
3555	Printing trades machinery	44.1	45.9	42.6	44.3	-	4.8	5.2	3.7	4.4	-
356	General industrial machinery	42.1	42.7	40.5	41.1	-	4.5	4.9	3.1	3.2	-
3561	Pumps and pumping equipment	41.3	42.9	39.9	40.1	-	3.8	4.5	2.5	2.5	-
3562	Ball and roller bearings	42.9	43.1	41.0	41.4	-	5.4	5.6	3.5	3.5	-
3563	Air and gas compressors	44.0	43.0	42.3	43.0	-	5.7	5.4	4.5	4.3	-
3564	Blowers and fans	41.7	42.3	40.9	41.6	-	4.8	5.2	3.9	4.0	-
3566	Speed changers, drives, and gears	43.2	45.0	41.1	41.9	-	4.8	6.5	2.7	3.2	-
3568	Power transmission equipment, nec	41.5	41.9	39.6	40.1	-	3.7	3.7	2.5	2.7	-
357	Office and computing machines	42.6	43.1	41.2	41.8	-	3.5	3.8	2.6	2.7	-
3573	Electronic computing equipment	42.4	43.3	41.5	42.0	-	3.5	3.9	2.7	2.8	-
358	Refrigeration and service machinery	40.1	41.2	39.9	40.6	-	2.2	2.6	2.5	2.7	-
3585	Refrigeration and heating equipment	40.1	41.5	40.2	40.9	-	2.3	2.7	2.5	2.8	-
359	Misc. machinery, except electrical	41.0	41.6	40.9	41.1	-	4.2	4.4	3.8	3.8	-
3592	Carburetors, pistons, rings, valves	39.9	41.2	42.0	42.2	-	3.2	3.5	3.3	3.6	-
3599	Machinery, except electrical, nec	41.2	41.7	40.7	40.9	-	4.4	4.5	3.9	3.8	-
ELECTRIC AND ELECTRONIC EQUIPMENT											
36	Electric distributing equipment	40.8	41.3	39.9	40.4	41.1	3.0	3.1	2.2	2.5	-
361	Transformers	40.8	41.7	39.3	40.4	-	3.1	3.5	2.1	2.4	-
3612	Switchgear and switchboard apparatus	40.8	41.6	39.9	41.0	-	3.3	3.8	2.2	2.7	-
3613	Electrical industrial apparatus	40.9	41.7	38.9	39.9	-	3.0	3.3	2.0	2.3	-
362	Motors and generators	41.1	41.5	39.8	40.9	-	3.2	3.5	2.1	2.7	-
3621	Industrial controls	40.8	41.4	40.3	41.0	-	3.4	3.6	2.3	2.9	-
3622	Household appliances	41.2	41.9	39.1	40.5	-	2.6	3.3	1.5	2.3	-
363	Household refrigerators and freezers	40.6	40.8	39.6	39.7	-	3.0	3.1	2.2	2.1	-
3632	Household laundry equipment	40.8	40.8	39.1	41.1	-	2.7	2.2	1.9	1.6	-
3633	Electric housewares and fans	40.5	43.4	39.7	39.0	-	1.6	4.1	2.1	.9	-
3634	Electric lighting and wiring equipment	40.4	39.7	39.1	39.4	-	3.5	2.9	2.1	2.2	-
364	Electric lamps	40.8	41.3	39.8	40.2	-	3.0	2.8	2.2	2.5	-
3641	Current-carrying wiring devices	41.7	41.5	40.2	40.3	-	2.8	2.5	2.1	1.7	-
3643	Noncurrent-carrying wiring devices	41.7	42.0	39.9	40.9	-	3.8	3.5	2.0	2.9	-
3644	Residential lighting fixtures	40.1	40.5	40.7	40.3	-	2.4	2.5	2.7	2.5	-
3645	Radio and TV receiving equipment	38.8	38.9	38.5	38.2	-	2.4	2.0	1.6	1.6	-
365	Radio and TV receiving sets	39.2	39.3	39.4	39.3	-	2.0	1.7	1.6	1.9	-
3651	Communication equipment	39.1	39.1	39.1	39.4	-	1.8	1.7	1.5	2.1	-
366	Telephone and telegraph apparatus	41.7	42.4	40.5	40.9	-	3.3	3.4	2.1	2.6	-
3661	Radio and TV communication equipment	41.8	42.8	40.4	40.8	-	3.9	3.9	1.9	2.5	-
3662	Electronic components and accessories	41.6	42.0	40.6	41.1	-	2.7	2.9	2.3	2.6	-
367	Electronic tubes	40.7	41.0	39.5	39.9	-	3.3	3.3	2.3	2.6	-
3671-3	Semiconductors and related devices	41.8	43.4	41.2	41.8	-	2.6	2.6	2.2	2.6	-
3674	Electronic components, nec	41.7	42.2	40.0	40.7	-	4.3	4.6	2.7	3.2	-
3679	Misc. electrical equipment and supplies	40.3	40.4	39.5	40.0	-	3.2	2.9	2.4	2.6	-
369	Storage batteries	40.7	41.4	40.6	41.1	-	2.4	2.0	2.7	3.2	-
3691	Engine electrical equipment	40.6	39.7	41.3	42.0	-	2.6	2.2	3.9	4.0	-
3694	Engine electrical equipment	40.0	41.5	40.2	40.8	-	1.7	1.2	2.4	3.3	-
TRANSPORTATION EQUIPMENT											
37	Motor vehicles and equipment	40.8	42.7	41.1	41.7	43.7	3.3	3.4	3.7	3.9	-
371	Motor vehicles and car bodies	39.8	42.9	41.2	41.7	-	2.5	2.4	3.5	3.7	-
3711	Truck and bus bodies	39.8	43.8	41.6	41.7	-	2.5	2.4	3.8	3.9	-
3713	Motor vehicle parts and accessories	38.9	42.1	39.5	41.6	-	2.5	2.7	1.9	3.0	-
3714	Truck trailers and motor homes	39.9	42.4	41.3	42.1	-	2.4	2.4	3.6	3.7	-
3715,6	Aircraft and parts	39.5	39.1	37.8	37.8	-	2.0	2.0	1.3	1.3	-
372	Aircraft	43.0	43.8	41.7	42.7	-	5.1	5.5	4.3	4.7	-
3721	Aircraft engines and engine parts	42.7	42.9	41.8	-	-	4.3	4.4	3.7	-	-
3724	Aircraft equipment, nec	42.7	44.5	41.3	42.5	-	5.9	7.0	4.9	5.7	-
3728	Ship and boat building and repairing	44.1	44.9	42.1	43.0	-	5.9	6.3	4.8	5.1	-
373	Ship building and repairing	40.2	40.7	41.0	40.5	-	3.2	3.6	3.9	3.7	-
3731	Boat building and repairing	40.4	41.0	41.2	40.7	-	3.4	3.9	4.0	3.8	-
3732	Railroad equipment	39.4	39.9	40.4	40.0	-	2.6	2.8	3.7	3.3	-
374	Railroad equipment	41.6	41.5	39.0	-	-	4.2	3.7	2.5	-	-

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. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980C	Nov. 1980P	Dec. 1980P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$362.50	\$372.38	\$381.64	\$404.35	-	\$8.59	\$8.66	\$9.47	\$9.72	-
3761	Guided missiles and space vehicles	370.58	382.37	385.52	411.27	-	8.74	8.77	9.59	9.91	-
379	Miscellaneous transportation equipment	261.46	258.49	271.32	276.74	-	6.67	6.74	6.80	6.85	-
3792	Travel trailers and campers	225.07	213.48	231.04	228.31	-	5.97	5.93	5.57	5.93	-
38	INSTRUMENTS AND RELATED PRODUCTS	264.55	271.05	280.09	288.11	\$294.94	6.39	6.50	6.95	7.01	\$7.09
381	Engineering and scientific instruments	286.70	299.40	296.54	306.45	-	6.73	6.82	7.34	7.42	-
382	Measuring and controlling devices	266.05	273.19	282.34	291.90	-	6.38	6.52	6.92	7.00	-
3822	Environmental controls	235.44	247.76	249.95	258.32	-	5.84	5.97	6.36	6.41	-
3823	Process control instruments	282.10	283.19	296.78	310.28	-	6.50	6.51	6.87	7.02	-
3825	Instruments to measure electricity	284.39	297.36	300.29	310.67	-	6.82	7.08	7.36	7.45	-
383	Optical instruments and lenses	285.76	309.81	304.56	311.25	-	6.77	6.90	7.52	7.61	-
384	Medical instruments and supplies	220.99	228.07	234.60	243.82	-	5.47	5.59	6.00	6.05	-
3841	Surgical and medical instruments	212.70	218.71	231.45	237.10	-	5.15	5.27	5.83	5.84	-
3842	Surgical appliances and supplies	229.03	238.91	237.62	250.22	-	5.74	5.87	6.14	6.24	-
385	Ophthalmic goods	201.17	202.87	213.01	216.11	-	5.08	5.11	5.42	5.43	-
386	Photographic equipment and supplies	357.00	352.37	374.05	381.55	-	8.40	8.45	8.97	9.02	-
387	Watches, clocks, and watchcases	192.06	201.17	208.94	209.52	-	4.95	5.08	5.33	5.40	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	202.12	205.40	215.90	219.52	226.29	5.13	5.20	5.55	5.60	5.70
391	Jewelry, silverware, and plated ware	209.82	210.45	228.54	230.10	-	5.38	5.41	5.66	5.90	-
3911	Jewelry, precious metal	204.44	207.97	225.23	227.94	-	5.31	5.36	5.82	5.89	-
393	Musical instruments	212.05	209.08	216.22	223.36	-	5.21	5.24	5.53	5.57	-
394	Toys and sporting goods	182.03	182.75	197.22	198.14	-	4.62	4.71	5.07	5.12	-
3942, 4	Dolls, games, toys, and children's vehicles	171.70	170.33	183.07	178.56	-	4.38	4.53	4.78	4.80	-
3949	Sporting and athletic goods, nec	192.46	193.03	212.65	216.54	-	4.86	4.85	5.37	5.40	-
395	Pens, pencils, office and art supplies	219.54	224.58	223.91	233.38	-	5.29	5.36	5.64	5.72	-
396	Costume jewelry and notions	166.32	171.45	182.88	184.80	-	4.40	4.50	4.75	4.80	-
3961	Costume jewelry	152.40	152.82	168.97	171.99	-	4.13	4.21	4.53	4.55	-
399	Miscellaneous manufactures	226.91	230.17	237.00	243.49	-	5.73	5.74	6.14	6.18	-
3993	Signs and advertising displays	239.58	246.24	250.87	258.19	-	6.05	6.05	6.55	6.52	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	261.30	264.62	275.92	284.62	289.07	6.50	6.55	6.95	7.08	7.12
201	Meat products	266.79	264.40	277.68	290.65	-	6.62	6.61	7.12	7.23	-
2011	Meat packing plants	348.50	338.02	361.96	379.24	-	8.03	8.01	8.68	8.84	-
2013	Sausages and other prepared meats	312.53	309.54	320.58	336.07	-	7.66	7.70	8.22	8.36	-
2016	Poultry dressing plants	157.81	160.21	162.44	171.95	-	4.30	4.33	4.55	4.61	-
202	Dairy products	271.75	273.07	291.17	296.31	-	6.58	6.58	7.05	7.14	-
2022	Cheese, natural and processed	243.75	251.14	272.15	274.16	-	6.25	6.31	6.77	6.82	-
2026	Fluid milk	289.33	289.76	306.07	311.86	-	6.76	6.77	7.27	7.39	-
203	Preserved fruits and vegetables	211.23	217.95	231.08	231.86	-	5.43	5.56	5.91	5.93	-
2032	Canned specialties	267.33	235.51	282.07	276.48	-	6.29	6.47	6.70	6.76	-
2033	Canned fruits and vegetables	201.60	217.95	220.60	222.34	-	5.25	5.56	5.79	5.76	-
2037	Frozen fruits and vegetables	196.94	204.88	235.20	229.51	-	5.28	5.20	5.88	5.84	-
204	Grain mill products	320.17	329.59	342.22	344.16	-	7.26	7.39	7.76	7.93	-
2041	Flour and other grain mill products	355.95	352.47	374.93	382.79	-	7.61	7.58	7.91	8.11	-
2048	Prepared feeds, nec	261.51	269.99	282.04	277.12	-	5.93	6.04	6.41	6.49	-
205	Bakery products	270.28	269.30	286.03	291.78	-	6.86	6.87	7.41	7.52	-
2051	Bread, cake, and related products	271.66	268.58	283.85	287.66	-	6.93	6.94	7.45	7.57	-
2052	Cookies and crackers	266.40	271.21	291.60	304.55	-	6.66	6.68	7.29	7.41	-
206	Sugar and confectionery products	248.00	249.02	255.27	259.50	-	6.20	6.21	6.43	6.52	-
2061-3	Cane and beet sugar	305.82	308.66	293.46	322.15	-	7.52	7.51	7.30	7.58	-
2065	Confectionery products	210.50	214.24	223.05	221.76	-	5.37	5.41	5.69	5.79	-
207	Fats and oils	290.61	297.90	306.55	309.46	-	6.56	6.62	7.23	7.18	-
208	Beverages	315.17	319.84	337.31	343.88	-	7.84	7.82	8.37	8.47	-
2082	Malt beverages	443.81	439.94	446.26	488.05	-	10.72	10.55	11.16	11.35	-
2086	Bottled and canned soft drinks	221.13	228.28	246.80	246.09	-	5.67	5.75	6.28	6.31	-
209	Misc. foods and kindred products	214.32	221.76	230.05	240.09	-	5.70	5.76	6.07	6.22	-
21	TOBACCO MANUFACTURES	270.44	275.01	303.16	309.60	320.66	6.97	6.98	7.56	7.74	8.18
211	Cigarettes	328.84	336.56	394.61	404.19	-	8.18	8.31	9.89	9.98	-
22	TEXTILE MILL PRODUCTS	200.72	202.11	209.87	213.19	219.47	4.86	4.87	5.26	5.29	5.34
221	Weaving mills, cotton	218.44	219.02	225.64	229.50	-	5.08	5.07	5.49	5.53	-
222	Weaving mills, synthetics	215.97	217.85	224.66	228.80	-	5.13	5.15	5.52	5.54	-
223	Weaving and finishing mills, wool	200.29	206.17	212.93	217.88	-	4.97	4.98	5.35	5.42	-
224	Narrow fabric mills	180.85	184.61	188.65	192.08	-	4.51	4.47	4.74	4.79	-
225	Knitting mills	177.24	177.18	184.57	187.67	-	4.51	4.52	4.87	4.90	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	42.2	43.0	40.3	41.6	-	4.3	4.4	3.3	3.8	-
3761	Guided missiles and space vehicles	42.4	43.6	40.2	41.5	-	3.7	3.9	3.0	3.5	-
379	Miscellaneous transportation equipment	39.2	36.5	39.9	40.4	-	1.6	1.7	2.4	2.9	-
3792	Travel trailers and campers	37.7	36.0	38.7	38.5	-	1.4	.9	1.9	1.2	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	41.4	41.7	40.3	41.1	41.6	2.9	2.9	2.3	2.6	-
381	Measuring and controlling devices	42.6	43.9	40.4	41.3	-	4.1	4.2	2.5	2.9	-
382	Environmental controls	41.7	41.9	40.8	41.7	-	3.0	2.8	2.2	2.4	-
3822	Process control instruments	41.0	41.5	39.3	40.3	-	2.1	2.1	1.5	2.1	-
3823	Instruments to measure electricity	43.4	43.5	43.2	44.2	-	3.5	4.0	3.6	3.9	-
3825	Optical instruments and lenses	41.7	42.0	40.8	41.7	-	2.9	2.5	2.0	1.9	-
383	Medical instruments and supplies	42.8	44.9	40.5	40.9	-	3.5	4.2	3.0	3.0	-
384	Surgical and medical instruments	40.4	40.8	39.1	40.3	-	2.8	2.8	2.0	2.5	-
3841	Surgical appliances and supplies	41.3	41.5	39.7	40.6	-	3.2	3.1	1.6	2.4	-
3842	Ophthalmic goods	35.9	40.7	38.7	40.1	-	2.7	2.9	2.3	2.8	-
385	Photographic equipment and supplies	39.6	39.7	39.3	39.8	-	2.0	1.9	1.7	1.7	-
386	Watches, clocks, and watchcases	42.5	41.7	41.7	42.3	-	3.2	3.2	3.2	3.6	-
387	Watches, clocks, and watchcases	38.8	35.6	39.2	38.8	-	1.2	1.6	1.5	1.2	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	39.4	39.5	38.9	39.2	39.7	2.6	2.4	2.1	2.2	-
391	Jewelry, precious metal	39.0	38.9	39.0	39.0	-	2.9	2.9	2.6	2.8	-
3911	Musical instruments	36.5	36.8	38.7	38.7	-	3.0	3.4	2.9	3.1	-
393	Toys and sporting goods	40.7	39.9	39.1	40.1	-	2.2	1.7	1.4	1.8	-
394	Dolls, games, toys, and children's vehicles	39.4	38.8	38.9	38.7	-	2.6	2.0	1.7	1.6	-
3942, 4	Sporting and athletic goods, nec	39.2	37.6	38.3	37.2	-	2.5	1.4	1.6	1.1	-
3949	Pens, pencils, office and art supplies	39.6	39.8	39.6	40.1	-	2.7	2.5	1.9	2.0	-
395	Costume jewelry and notions	41.5	41.9	39.7	40.8	-	2.9	2.6	2.5	2.9	-
396	Costume jewelry	37.8	38.1	38.5	38.5	-	2.3	2.8	2.1	2.5	-
3961	Miscellaneous manufactures	36.9	36.3	37.3	37.8	-	2.0	1.9	1.8	2.6	-
399	Signs and advertising displays	39.6	40.1	38.6	39.4	-	2.7	2.7	2.2	2.3	-
3993	Signs and advertising displays	39.6	40.7	38.3	39.6	-	2.8	3.2	2.3	2.6	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	40.2	40.4	39.7	40.2	40.6	4.3	4.1	3.9	4.0	-
201	Meat packing plants	40.3	40.0	39.0	40.2	-	4.7	4.4	3.6	4.3	-
2011	Sausages and other prepared meats	43.4	42.2	41.7	42.9	-	6.4	5.5	4.9	5.8	-
2013	Poultry dressing plants	40.8	40.2	39.0	40.2	-	4.1	4.5	2.9	3.3	-
2016	Dairy products	36.7	37.0	35.7	37.3	-	3.2	3.1	2.4	3.1	-
202	Cheese, natural and processed	41.3	41.5	41.3	41.5	-	3.9	3.7	3.8	4.0	-
2022	Fluid milk	39.0	39.8	40.2	40.2	-	3.0	3.4	3.5	3.8	-
2026	Preserved fruits and vegetables	42.8	42.8	42.1	42.2	-	4.4	4.1	4.2	4.3	-
203	Canned specialties	38.9	39.2	39.1	39.1	-	3.6	3.7	4.2	3.4	-
2032	Canned fruits and vegetables	42.5	36.4	42.1	40.9	-	6.6	7.9	7.5	6.2	-
2033	Frozen fruits and vegetables	38.4	39.2	38.1	38.6	-	3.3	2.9	4.2	3.4	-
2037	Grain mill products	37.3	39.4	40.0	39.3	-	3.4	4.0	4.3	2.8	-
204	Flour and other grain mill products	44.1	44.6	44.1	43.4	-	6.6	6.6	6.2	5.6	-
2041	Prepared feeds, nec	47.3	46.5	47.4	47.2	-	8.5	7.5	7.1	6.9	-
2048	Bakery products	44.1	44.7	44.0	42.7	-	6.5	6.6	6.5	5.7	-
205	Bread, cake, and related products	39.4	39.2	38.6	38.8	-	3.7	3.4	3.3	3.5	-
2051	Cookies and crackers	39.2	38.7	38.1	38.0	-	4.3	3.7	3.5	3.6	-
2052	Sugar and confectionery products	40.0	40.6	40.0	41.1	-	2.0	2.4	2.8	3.0	-
206	Cane and beet sugar	40.0	40.1	39.7	39.9	-	3.9	3.6	3.3	3.3	-
2061-3	Confectionery products	41.2	41.1	40.2	42.5	-	5.8	4.8	4.1	4.3	-
2065	Fats and oils	39.2	39.6	39.2	38.3	-	3.3	3.3	3.0	2.8	-
207	Beverages	44.3	45.0	42.4	43.1	-	6.4	6.5	5.6	5.6	-
208	Malt beverages	40.2	40.9	40.3	40.6	-	3.9	3.9	3.8	4.1	-
2082	Bottled and canned soft drinks	41.4	41.7	41.6	43.0	-	5.5	5.3	4.9	6.4	-
2086	Misc. foods and kindred products	39.0	39.7	39.3	39.0	-	3.2	3.3	3.1	2.8	-
209	Misc. foods and kindred products	37.6	38.5	37.9	38.6	-	3.1	3.2	3.3	3.7	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.8	39.4	40.1	40.0	39.2	1.8	2.4	2.6	2.7	-
211	Cigarettes	40.2	40.5	39.9	40.5	-	2.1	2.9	3.1	3.2	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	41.3	41.5	39.9	40.3	41.1	4.0	4.0	3.0	3.2	-
221	Weaving mills, synthetics	43.0	43.2	41.1	41.5	-	5.2	5.1	3.7	3.9	-
222	Weaving and finishing mills, wool	42.1	42.3	40.7	41.3	-	4.2	4.5	3.4	3.5	-
223	Narrow fabric mills	40.3	41.4	39.8	40.2	-	3.7	3.6	2.5	3.0	-
224	Knitting mills	40.1	41.3	39.8	40.1	-	3.4	3.1	2.2	2.8	-
225	Knitting mills	39.3	39.2	37.9	38.3	-	3.0	3.0	2.2	2.3	-

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. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	TEXTILE MILL PRODUCTS—Continued										
2251	Women's hosiery, except socks	\$171.94	\$165.38	\$155.60	\$164.16	-	\$4.32	\$4.31	\$4.51	\$4.56	-
2252	Hosiery, nec	160.70	156.24	172.96	176.78	-	4.24	4.20	4.60	4.64	-
2253	Knit outerwear mills	171.55	173.94	183.74	183.94	-	4.41	4.46	4.76	4.79	-
2254	Knit underwear mills	152.76	151.08	169.46	173.35	-	4.22	4.28	4.63	4.66	-
2257	Circular knit fabric mills	207.75	213.21	222.64	222.00	-	4.97	4.97	5.58	5.55	-
226	Textile finishing, except wool	219.63	224.55	226.80	234.02	-	5.18	5.21	5.60	5.68	-
2261	Finishing plants, cotton	230.26	229.82	224.22	238.55	-	5.33	5.32	5.72	5.79	-
2262	Finishing plants, synthetics	227.06	233.26	241.76	245.12	-	5.33	5.35	5.77	5.85	-
227	Floor covering mills	208.58	210.87	222.07	221.68	-	4.99	4.95	5.39	5.42	-
228	Yarn and thread mills	189.20	188.74	194.64	198.20	-	4.57	4.57	4.94	4.98	-
2281	Yarn mills, except wool	193.66	195.00	196.71	200.90	-	4.60	4.61	4.98	5.01	-
2282	Throwing and winding mills	174.54	168.25	184.16	184.00	-	4.43	4.37	4.71	4.73	-
229	Miscellaneous textile goods	217.35	222.60	242.86	244.18	-	5.25	5.30	5.81	5.80	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	153.79	157.24	167.44	168.15	\$171.96	4.32	4.38	4.73	4.75	\$4.79
231	Men's and boys' suits and coats	187.61	189.92	195.11	200.02	-	5.27	5.32	5.45	5.48	-
232	Men's and boys' furnishings	148.00	150.63	155.23	156.24	-	4.00	4.06	4.30	4.34	-
2321	Men's and boys' shirts and nightwear	143.52	144.94	152.46	151.86	-	3.90	3.96	4.20	4.23	-
2327	Men's and boys' separate trousers	145.20	150.12	157.35	158.95	-	4.09	4.17	4.42	4.44	-
2328	Men's and boys' work clothing	150.54	152.48	152.15	154.34	-	3.88	3.93	4.18	4.24	-
233	Women's and misses' outerwear	142.25	144.86	156.75	155.62	-	4.35	4.35	4.75	4.73	-
2331	Women's and misses' blouses and waists	137.30	136.08	149.94	149.52	-	4.05	4.05	4.41	4.45	-
2335	Women's and misses' dresses	137.54	141.57	152.88	148.41	-	4.48	4.48	4.50	4.85	-
2337	Women's and misses' suits and coats	154.49	153.36	176.10	178.02	-	4.71	4.69	5.21	5.16	-
2339	Women's and misses' outerwear, nec	144.06	148.54	155.61	156.07	-	4.20	4.22	4.55	4.55	-
234	Women's and children's undergarments	146.57	143.84	153.67	155.13	-	3.94	3.93	4.21	4.25	-
2341	Women's and children's underwear	145.51	143.95	152.67	154.51	-	3.87	3.88	4.16	4.21	-
2342	Brassieres and allied garments	150.52	144.28	159.67	160.11	-	4.24	4.17	4.46	4.46	-
236	Children's outerwear	143.39	145.52	156.52	156.99	-	3.95	4.02	4.30	4.30	-
2361	Children's dresses and blouses	139.71	141.02	154.34	151.98	-	3.87	3.95	4.24	4.21	-
238	Misc. apparel and accessories	156.79	156.65	166.13	172.04	-	4.28	4.28	4.49	4.60	-
239	Misc. fabricated textile products	181.74	194.61	215.63	213.74	-	4.77	4.99	5.63	5.61	-
2391	Curtains and draperies	147.07	147.43	148.27	147.88	-	3.86	3.89	4.13	4.12	-
2392	House furnishing, nec	167.88	166.92	179.18	184.06	-	4.25	4.28	4.63	4.68	-
2396	Automotive and apparel trimmings	279.31	340.17	358.90	348.30	-	7.59	8.08	9.25	9.19	-
26	PAPER AND ALLIED PRODUCTS	318.75	326.25	341.40	349.71	360.96	7.43	7.50	8.09	8.19	8.26
261, 262	Paper and pulp mills	393.24	395.43	418.00	428.98	-	8.70	8.71	9.50	9.64	-
261	Paper mills, except building paper	394.90	396.68	420.91	431.04	-	8.66	8.68	9.48	9.60	-
263	Paperboard mills	392.05	392.49	423.70	436.69	-	8.81	8.82	9.50	9.64	-
264	Misc. converted paper products	268.62	280.87	286.13	291.72	-	6.52	6.64	7.10	7.15	-
2641	Paper coating and glazing	308.72	327.36	321.94	329.96	-	7.23	7.34	7.91	7.97	-
2642	Envelopes	243.81	252.34	257.84	261.87	-	6.02	6.11	6.43	6.45	-
2643	Bags, except textile bags	260.20	269.41	275.40	279.97	-	6.21	6.28	6.75	6.73	-
265	Paperboard containers and boxes	276.78	284.99	295.07	300.54	-	6.59	6.69	7.11	7.19	-
2651	Folding paperboard boxes	281.82	302.03	302.21	308.79	-	6.71	6.88	7.23	7.30	-
2653	Corrugated and solid fiber boxes	290.86	294.41	315.88	318.10	-	6.86	6.96	7.45	7.52	-
2654	Sanitary food containers	260.63	276.89	276.45	290.28	-	6.25	6.38	6.71	6.83	-
27	PRINTING AND PUBLISHING	270.23	274.70	288.30	290.90	300.63	7.13	7.21	7.75	7.82	7.87
271	Newspapers	261.50	260.60	265.33	267.36	-	7.45	7.51	7.85	7.91	-
272	Periodicals	253.17	247.42	273.42	281.96	-	6.68	6.76	7.35	7.42	-
273	Books	245.85	251.41	270.61	271.27	-	6.32	6.43	7.14	7.12	-
2731	Book publishing	236.90	234.93	257.23	265.46	-	6.09	6.15	6.99	7.06	-
2732	Book printing	255.06	267.60	283.92	276.76	-	6.54	6.69	7.27	7.17	-
274	Miscellaneous publishing	222.88	223.01	248.29	245.97	-	6.14	6.06	6.84	6.89	-
275	Commercial printing	285.67	293.28	309.46	312.86	-	7.42	7.52	8.08	8.19	-
2751	Commercial printing, letterpress	265.94	273.22	286.15	289.17	-	6.98	7.06	7.57	7.65	-
2752	Commercial printing, lithographic	292.20	301.45	319.22	321.41	-	7.57	7.69	8.27	8.37	-
276	Manifold business forms	289.23	300.30	301.50	309.42	-	6.87	7.00	7.50	7.64	-
278	Blankbooks and bookbinding	212.31	218.59	229.08	233.40	-	5.43	5.52	5.95	6.04	-
279	Printing trade services	353.47	361.94	366.07	369.95	-	9.11	9.14	9.71	9.71	-
28	CHEMICALS AND ALLIED PRODUCTS	332.54	334.22	352.73	359.94	366.34	7.88	7.92	8.52	8.57	8.64
281	Industrial inorganic chemicals	368.51	371.09	388.86	396.79	-	8.61	8.65	9.37	9.47	-
2819	Industrial inorganic chemicals, nec	368.88	372.73	386.63	397.70	-	8.70	8.77	9.43	9.56	-
282	Plastics materials and synthetics	328.08	330.49	349.02	361.68	-	7.83	7.85	8.41	8.51	-
2821	Plastics materials and resins	364.65	367.16	390.22	409.20	-	8.50	8.46	9.16	9.30	-
2824	Organic fibers, noncellulosic	302.73	306.77	319.43	326.19	-	7.33	7.41	7.81	7.86	-
283	Drugs	300.12	307.33	321.03	326.23	-	7.18	7.30	7.83	7.88	-
2834	Pharmaceutical preparations	285.36	292.99	303.86	310.54	-	6.96	7.06	7.54	7.63	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980F	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980F	Dec. 1980P
		TEXTILE MILL PRODUCTS—Continued									
2251	Women's hosiery, except socks	39.8	39.3	34.5	36.0	-	3.9	3.5	0.8	1.2	-
2252	Hosiery, nec	37.9	37.2	37.6	38.1	-	2.0	1.4	1.9	2.0	-
2253	Knit outerwear mills	38.9	39.0	38.6	38.4	-	2.6	2.7	2.6	2.6	-
2254	Knit underwear mills	36.2	35.3	36.6	37.2	-	1.3	1.5	1.4	1.6	-
2257	Circular knit fabric mills	41.8	42.9	39.9	40.0	-	4.8	5.4	3.2	3.4	-
226	Textile finishing, except wool	42.4	43.1	40.5	41.2	-	4.3	4.4	3.3	3.9	-
2261	Finishing plants, cotton	43.2	43.2	39.2	41.2	-	4.7	4.4	3.0	4.1	-
2262	Finishing plants, synthetics	42.6	43.6	41.9	41.9	-	4.7	4.9	4.1	4.3	-
227	Floor covering mills	41.8	42.6	41.2	40.9	-	4.1	4.9	3.8	3.2	-
228	Yarn and thread mills	41.4	41.3	39.4	39.8	-	3.9	4.0	2.9	3.1	-
2281	Yarn mills, except wool	42.1	42.3	39.5	40.1	-	4.4	4.6	3.1	3.3	-
2282	Throwing and winding mills	39.4	38.5	39.1	38.9	-	3.0	2.3	2.8	2.9	-
229	Miscellaneous textile goods	41.4	42.0	41.8	42.1	-	3.5	3.6	3.7	3.8	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.6	35.9	35.4	35.4	35.9	1.2	1.2	1.1	1.1	-
231	Men's and boys' suits and coats	35.6	35.7	35.8	36.5	-	.6	.6	.8	1.0	-
232	Men's and boys' furnishings	37.0	37.1	36.1	36.0	-	1.3	1.4	1.0	1.0	-
2321	Men's and boys' shirts and nighwear	36.8	36.6	36.3	35.9	-	1.4	1.3	1.1	1.0	-
2327	Men's and boys' separate trousers	35.5	36.0	35.6	35.8	-	1.0	1.2	.9	.8	-
2328	Men's and boys' work clothing	38.8	38.8	36.4	36.4	-	1.5	2.0	1.1	1.1	-
233	Women's and misses' outerwear	32.7	33.3	33.0	32.9	-	.8	.8	.9	.8	-
2331	Women's and misses' blouses and waists	33.9	33.6	34.0	33.6	-	.7	.8	.9	.8	-
2335	Women's and misses' dresses	30.7	31.6	31.2	30.6	-	.8	.8	.8	.7	-
2337	Women's and misses' suits and coats	32.8	32.7	33.8	34.5	-	.7	.7	.9	1.0	-
2339	Women's and misses' work clothing	34.3	35.2	34.2	34.3	-	.9	.9	.9	.9	-
234	Women's and children's undergarments	37.2	36.6	36.5	36.5	-	1.4	1.2	1.2	1.3	-
2341	Women's and children's underwear	37.6	37.1	36.7	36.7	-	1.5	1.3	1.2	1.4	-
2342	Brassieres and allied garments	35.5	34.6	35.8	35.9	-	1.2	.9	1.2	1.1	-
236	Children's outerwear	36.3	36.2	36.4	36.3	-	1.3	1.2	1.2	1.3	-
2361	Children's dresses and blouses	36.1	35.7	36.4	36.1	-	1.2	1.0	1.1	1.3	-
238	Misc. apparel and accessories	37.1	36.6	37.0	37.4	-	1.7	1.1	1.6	1.5	-
239	Misc. fabricated textile products	38.1	39.0	38.3	38.1	-	1.6	1.5	2.0	2.1	-
2391	Curtains and draperies	38.1	37.9	35.9	35.7	-	1.2	.8	.6	.5	-
2392	House furnishings, nec	39.5	39.0	38.7	39.5	-	2.8	2.5	2.1	2.8	-
2396	Automotive and apparel trimmings	36.8	42.1	38.8	37.9	-	.6	.6	2.7	2.4	-
26	PAPER AND ALLIED PRODUCTS	42.9	43.5	42.2	42.7	43.7	5.0	5.0	4.5	4.7	-
261, 2, 6	Paper and pulp mills	45.2	45.4	44.0	44.5	-	7.1	6.8	6.5	6.7	-
262	Paper mills, except building paper	45.6	45.7	44.9	44.9	-	7.2	6.8	6.7	6.8	-
263	Paperboard mills	44.5	44.5	44.6	45.3	-	7.5	7.3	7.1	7.7	-
264	Misc. converted paper products	41.2	42.3	40.3	40.8	-	3.4	3.8	2.8	3.0	-
2641	Paper coating and glazing	42.7	44.6	40.7	41.4	-	4.4	5.0	3.1	3.2	-
2642	Envelopes	40.5	41.3	40.1	40.6	-	3.0	3.2	2.2	2.3	-
2643	Bags, except textile bags	41.9	42.9	40.8	41.6	-	3.6	3.9	3.0	3.4	-
265	Paperboard containers and boxes	42.0	42.6	41.5	41.8	-	3.9	3.9	3.3	3.5	-
2651	Folding paperboard boxes	42.0	43.9	41.8	42.3	-	3.6	4.1	3.9	4.0	-
2653	Corrugated and solid fiber boxes	42.4	42.3	42.4	42.3	-	4.3	4.0	3.4	3.5	-
2654	Sanitary food containers	41.7	43.4	41.2	42.5	-	3.1	3.6	2.9	3.5	-
27	PRINTING AND PUBLISHING	37.9	38.1	37.2	37.2	38.2	3.0	3.1	2.6	2.6	-
271	Newspapers	35.1	34.7	33.8	33.8	-	2.6	2.3	1.9	1.9	-
272	Periodicals	37.9	36.6	37.2	38.0	-	2.1	2.5	2.7	2.9	-
273	Books	38.9	39.1	37.9	38.1	-	3.1	3.5	2.1	2.1	-
2731	Book publishing	38.9	38.2	36.8	37.6	-	2.1	2.3	1.0	1.5	-
2732	Book printing	39.0	40.0	39.0	38.6	-	4.1	4.7	3.2	2.6	-
274	Miscellaneous publishing	36.3	36.8	36.3	35.7	-	2.4	2.2	1.6	2.1	-
275	Commercial printing	38.5	39.0	38.3	38.2	-	3.3	3.5	3.1	3.0	-
2751	Commercial printing, letterpress	38.1	38.7	37.8	37.8	-	2.9	3.1	2.5	2.4	-
2752	Commercial printing, lithographic	38.6	39.2	38.6	38.4	-	3.3	3.6	3.3	3.2	-
276	Manifold business forms	42.1	42.9	40.2	40.5	-	4.0	4.7	2.7	3.2	-
278	Blankbooks and bookbinding	39.1	39.6	38.5	38.9	-	2.2	2.4	1.9	2.0	-
279	Printing trade service	38.8	39.6	37.7	38.1	-	3.7	3.7	3.7	3.7	-
28	CHEMICALS AND ALLIED PRODUCTS	42.2	42.2	41.4	42.0	42.4	3.6	3.4	3.2	3.3	-
281	Industrial inorganic chemicals	42.8	42.9	41.5	41.9	-	4.1	3.6	3.1	3.3	-
2819	Industrial inorganic chemicals, nec	42.4	42.5	41.0	41.6	-	3.9	3.5	3.0	3.3	-
282	Plastics materials and synthetics	41.9	42.1	41.5	42.5	-	3.4	3.2	2.8	3.5	-
2821	Plastics materials and resins	42.9	43.4	42.6	44.0	-	4.5	4.4	4.0	5.0	-
2824	Organic fibers, noncellulosic	41.3	41.4	40.9	41.5	-	2.3	2.2	1.7	2.1	-
283	Drugs	41.8	42.1	41.0	41.4	-	2.9	3.2	3.0	3.1	-
2834	Pharmaceutical preparations	41.0	41.5	40.3	40.7	-	2.9	3.2	3.0	3.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$302.50	\$300.94	\$312.62	\$319.46	-	\$7.36	\$7.34	\$7.70	\$7.83	-
2841	Soap and other detergents	420.44	416.87	418.91	432.73	-	9.71	9.74	10.07	10.23	-
2844	Toilet preparations	234.40	231.02	247.63	252.10	-	5.86	5.79	6.16	6.24	-
2842, 3	Polishing, sanitation, and finishing preparations	271.88	276.45	296.00	301.68	-	6.78	6.81	7.40	7.58	-
285	Paints and allied products	278.88	286.18	310.59	310.84	-	6.92	6.98	7.65	7.60	-
286	Industrial organic chemicals	403.75	399.04	424.00	428.71	-	9.24	9.28	10.00	9.97	-
2865	Cyclic crudes and intermediates	376.27	371.05	391.35	399.16	-	8.63	8.71	9.34	9.37	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	413.40	408.59	435.37	438.33	-	9.46	9.48	10.22	10.17	-
287	Agricultural chemicals	330.81	339.11	368.05	367.16	-	7.64	7.76	8.50	8.46	-
289	Miscellaneous chemical products	306.81	310.59	328.02	337.71	-	7.34	7.36	8.02	8.06	-
29	PETROLEUM AND COAL PRODUCTS	428.29	412.38	454.04	456.13	\$442.30	9.56	9.48	10.39	10.51	\$10.31
291	Petroleum refining	458.75	439.50	485.27	491.37	-	10.24	10.15	11.13	11.27	-
295	Paving and roofing materials	340.01	331.42	365.40	351.48	-	7.44	7.30	8.12	8.08	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	247.44	252.75	272.69	278.80	285.52	6.14	6.21	6.70	6.80	6.88
301	Tires and inner tubes	368.74	371.54	432.37	439.88	-	9.06	9.04	10.27	10.35	-
302	Rubber and plastics footwear	166.92	175.87	190.32	193.62	-	4.28	4.30	4.51	4.61	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	261.70	268.55	297.44	299.94	-	6.43	6.44	7.15	7.21	-
306	Fabricated rubber products, nec	234.40	241.38	259.61	262.60	-	5.86	5.96	6.41	6.50	-
307	Miscellaneous plastics products	228.10	233.04	248.46	254.59	-	5.66	5.74	6.15	6.24	-
31	LEATHER AND LEATHER PRODUCTS	159.34	162.26	169.36	169.99	174.74	4.33	4.35	4.64	4.67	4.71
311	Leather tanning and finishing	226.20	232.43	253.89	260.94	-	5.80	5.84	6.30	6.38	-
314	Footwear, except rubber	153.24	156.56	161.73	161.10	-	4.21	4.22	4.48	4.50	-
3143	Men's footwear, except athletic	164.80	166.06	175.96	173.51	-	4.43	4.44	4.73	4.78	-
3144	Women's footwear, except athletic	143.02	149.08	149.04	148.78	-	4.04	4.04	4.32	4.30	-
316	Luggage	169.34	170.20	178.24	176.53	-	4.54	4.60	4.87	4.81	-
317	Handbags and personal leather goods	150.63	150.72	160.28	162.34	-	4.06	4.03	4.44	4.46	-
	TRANSPORTATION AND PUBLIC UTILITIES	342.10	341.60	366.16	369.47	372.00	8.51	8.54	9.20	9.26	9.30
	RAILROAD TRANSPORTATION:										
4011	Class I railroads	414.85	397.11	446.90	-	-	9.26	9.30	10.25	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	207.33	207.06	220.46	219.22	-	6.08	6.09	6.39	6.41	-
411	Local and suburban transportation	275.25	271.96	275.66	274.70	-	6.83	6.92	7.05	7.08	-
413	Intercity highway transportation	349.00	335.37	366.54	373.00	-	9.16	9.29	10.21	10.39	-
42	TRUCKING AND WAREHOUSING	343.65	354.31	372.40	374.58	-	8.70	8.77	9.50	9.58	-
421, 3	Trucking and trucking terminals	351.05	362.79	381.42	383.57	-	8.91	8.98	9.73	9.81	-
422	Public warehousing	247.65	251.54	248.82	256.89	-	6.13	6.15	6.38	6.57	-
46	PIPE LINES, EXCEPT NATURAL GAS	421.83	431.72	445.30	450.11	-	9.81	10.04	10.19	10.82	-
48	COMMUNICATION	332.07	328.35	359.68	359.00	-	8.24	8.25	9.06	9.02	-
481	Telephone communication	346.80	339.60	376.14	372.93	-	8.50	8.49	9.38	9.30	-
4817	Switchboard operating employees	236.38	215.28	265.20	303.49	-	7.12	6.90	7.80	8.05	-
4818	Line construction employees ²	466.26	457.28	460.03	480.68	-	10.27	10.23	12.85	12.75	-
483	Radio and television broadcasting	269.63	276.82	288.80	294.51	-	7.04	7.19	7.62	7.73	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	359.53	356.97	382.39	388.23	-	8.54	8.54	9.17	9.31	-
491	Electric services	370.64	368.05	393.12	399.53	-	8.68	8.66	9.36	9.49	-
492	Gas production and distribution	325.03	324.75	357.76	359.31	-	7.87	7.94	8.60	8.70	-
493	Combination utility services	394.28	388.44	414.00	422.09	-	9.41	9.36	10.00	10.22	-
495	Sanitary services	287.12	286.35	302.10	305.03	-	6.82	6.90	7.21	7.28	-
	WHOLESALE AND RETAIL TRADE	167.83	170.42	179.44	180.16	182.65	5.18	5.18	5.59	5.63	5.62
50, 51	WHOLESALE TRADE	255.96	261.58	274.77	276.82	282.03	6.58	6.69	7.10	7.19	7.25
50	WHOLESALE TRADE-DURABLE GOODS	257.81	264.13	276.90	280.80	-	6.56	6.67	7.10	7.20	-
501	Motor vehicles and automotive equipment	234.85	246.25	255.15	255.46	-	6.10	6.25	6.61	6.67	-
502	Furniture and home furnishings	227.56	230.95	239.67	242.45	-	6.02	6.03	6.46	6.50	-
503	Lumber and construction materials	262.01	265.44	279.17	289.98	-	6.65	6.72	7.14	7.36	-
504	Sporting goods, toys, and hobby goods	249.38	255.36	272.63	280.82	-	6.74	6.72	7.27	7.39	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980C	Nov. 1980P	Dec. 1980P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	41.1	41.0	40.6	40.8	-	3.1	2.8	3.0	2.6	-
2841	Soap and other detergents	43.3	42.8	41.6	42.3	-	4.8	4.5	4.1	3.8	-
2844	Toilet preparations	40.0	39.9	40.2	40.4	-	2.1	1.7	2.6	2.4	-
2842, 3	Polishing, sanitation, and finishing preparations	40.1	40.6	40.0	39.8	-	2.6	2.4	2.4	2.3	-
285	Paints and allied products	40.3	41.0	40.6	40.9	-	2.2	2.2	2.6	2.3	-
286	Industrial organic chemicals	43.7	43.0	42.4	43.0	-	4.5	3.8	3.6	3.4	-
2865	Cyclic crudes and intermediates	43.6	42.6	41.9	42.6	-	4.8	3.9	3.2	3.7	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.7	43.1	42.6	43.1	-	4.4	3.8	3.7	3.3	-
287	Agricultural chemicals	43.3	43.7	43.3	43.4	-	4.8	5.1	5.2	4.8	-
289	Miscellaneous chemical products	41.8	42.2	40.9	41.9	-	4.0	3.6	3.2	3.5	-
26	PETROLEUM AND COAL PRODUCTS	44.8	43.5	43.7	43.4	42.9	4.8	4.2	4.2	3.9	-
291	Petroleum refining	44.8	42.3	43.6	43.6	-	4.2	3.6	3.7	3.6	-
295	Paving and roofing materials	45.7	45.4	45.0	43.5	-	7.6	7.0	6.9	6.0	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.3	40.7	40.7	41.0	41.5	3.2	3.1	3.1	3.4	-
301	Tires and inner tubes	40.7	41.1	42.1	42.5	-	3.2	2.5	3.3	3.9	-
302	Rubber and plastics footwear	39.0	40.9	42.2	42.0	-	2.5	3.3	3.2	3.8	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	40.7	41.7	41.6	41.6	-	3.3	3.5	2.7	2.9	-
306	Fabricated rubber products, nec	40.0	40.5	40.5	40.4	-	2.6	2.7	2.7	2.8	-
307	Miscellaneous plastics products	40.3	40.6	40.4	40.8	-	3.3	3.2	3.2	3.4	-
31	LEATHER AND LEATHER PRODUCTS	36.8	37.3	36.5	36.4	37.1	1.7	1.6	1.5	1.5	-
311	Leather tanning and finishing	39.0	39.8	40.3	40.9	-	2.6	2.7	2.8	3.2	-
314	Footwear, except rubber	36.4	37.1	36.1	35.8	-	1.4	1.4	1.1	1.1	-
3143	Men's footwear, except athletic	37.2	37.4	37.2	36.3	-	1.5	1.3	1.1	1.3	-
3144	Women's footwear, except athletic	35.4	36.9	34.5	34.6	-	1.4	1.5	1.1	.8	-
316	Luggage	37.3	37.0	36.6	36.7	-	3.0	2.8	2.1	2.1	-
317	Handbags and personal leather goods	37.1	37.4	36.1	36.4	-	1.8	1.8	2.1	2.1	-
-	TRANSPORTATION AND PUBLIC UTILITIES	40.2	40.0	39.8	39.9	-	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	44.8	42.7	43.6	43.6	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.1	34.0	34.5	34.2	-	-	-	-	-	-
411	Local and suburban transportation	40.3	39.3	39.1	38.8	-	-	-	-	-	-
413	Intercity highway transportation	38.1	36.1	35.9	35.9	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.5	40.4	39.2	39.1	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.4	40.4	39.2	39.1	-	-	-	-	-	-
422	Public warehousing	40.4	40.9	39.0	39.1	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	43.0	43.0	43.7	41.6	-	-	-	-	-	-
48	COMMUNICATION	40.3	39.8	39.7	39.8	-	-	-	-	-	-
481	Telephone communication	40.8	40.0	40.1	40.1	-	-	-	-	-	-
4817	Switchboard operating employees ³	33.2	31.2	34.0	37.7	-	-	-	-	-	-
4818	Line construction employees ⁴	45.4	44.7	35.8	37.7	-	-	-	-	-	-
483	Radio and television broadcasting	38.3	38.5	37.9	38.1	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	42.1	41.8	41.7	41.7	-	-	-	-	-	-
491	Electric services	42.7	42.5	42.0	42.1	-	-	-	-	-	-
492	Gas production and distribution	41.3	40.9	41.6	41.3	-	-	-	-	-	-
493	Combination utility services	41.9	41.5	41.4	41.3	-	-	-	-	-	-
495	Sanitary services	42.1	41.5	41.9	41.9	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.4	32.9	32.1	32.0	32.5	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.9	39.1	38.7	38.5	38.9	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	39.3	39.6	39.0	39.0	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.5	39.4	38.6	38.3	-	-	-	-	-	-
502	Furniture and home furnishings	37.8	38.3	37.1	37.3	-	-	-	-	-	-
503	Lumber and construction materials	39.4	39.5	39.1	39.4	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.0	38.0	37.5	38.0	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	\$307.13	\$313.50	\$330.26	\$339.10	-	\$7.64	\$7.76	\$8.34	\$8.52	-
506	Electrical goods	264.77	274.62	286.60	293.61	-	6.72	6.90	7.33	7.49	-
507	Hardware, plumbing, and heating equipment	241.88	244.44	260.16	263.16	-	6.25	6.30	6.74	6.80	-
508	Machinery, equipment, and supplies	270.12	274.62	289.14	290.82	-	6.77	6.90	7.32	7.40	-
509	Miscellaneous durable goods	221.03	222.61	231.77	236.07	-	5.61	5.65	6.02	6.10	-
51	WHOLESALE TRADE-NONDURABLE GOODS ..	253.16	256.99	271.22	272.50	-	6.61	6.71	7.10	7.19	-
511	Paper and paper products	285.07	292.35	298.84	300.88	-	7.81	7.88	8.21	8.11	-
512	Drugs, proprietaries, and sundries	256.81	263.03	280.50	280.85	-	6.83	6.94	7.50	7.57	-
513	Apparel, piece goods, and notions	225.06	230.14	236.48	236.70	-	6.05	6.17	6.34	6.38	-
514	Groceries and related products	258.30	259.07	268.76	275.91	-	6.64	6.66	7.11	7.28	-
516	Chemicals and allied products	308.85	319.59	330.66	331.63	-	7.76	8.05	8.35	8.46	-
517	Petroleum and petroleum products	319.57	324.97	342.34	343.60	-	8.07	8.29	8.58	8.59	-
518	Beer, wine, and distilled beverages	284.13	291.35	301.92	311.36	-	7.70	7.79	8.16	8.37	-
519	Miscellaneous nondurable goods	205.20	205.88	226.59	225.79	-	5.40	5.48	5.84	5.88	-
52-59	RETAIL TRADE	140.45	142.91	149.40	150.30	\$152.69	4.62	4.61	4.98	5.01	\$4.99
52	BUILDING MATERIALS AND GARDEN SUPPLIES	189.21	190.98	201.65	202.03	-	5.10	5.12	5.45	5.49	-
521	Lumber and other building materials	210.26	210.36	222.69	222.14	-	5.35	5.38	5.71	5.74	-
525	Hardware stores	147.63	152.05	158.93	158.55	-	4.42	4.42	4.73	4.79	-
53	GENERAL MERCHANDISE STORES	130.10	134.42	140.93	139.76	-	4.41	4.35	4.81	4.77	-
531	Department stores	134.95	139.22	147.09	144.83	-	4.59	4.52	5.02	4.96	-
533	Variety stores	106.68	112.46	112.71	112.13	-	3.58	3.57	3.86	3.84	-
539	Misc. general merchandise stores	105.38	108.68	115.74	117.41	-	3.56	3.54	3.91	3.94	-
54	FOOD STORES	185.22	181.49	201.47	205.49	-	5.88	5.78	6.52	6.65	-
541	Grocery stores	193.63	189.28	210.24	215.28	-	6.07	5.99	6.76	6.90	-
546	Retail bakeries	130.69	135.75	135.49	136.25	-	4.43	4.51	4.64	4.65	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	204.12	206.93	218.28	219.79	-	5.40	5.46	5.79	5.83	-
551, 2	New and used car dealers	244.44	245.46	259.88	261.03	-	6.30	6.31	6.75	6.78	-
553	Auto and home supply stores	198.29	202.78	214.25	213.19	-	4.86	4.97	5.29	5.29	-
554	Gasoline service stations	145.67	149.60	161.88	163.40	-	4.15	4.25	4.56	4.59	-
56	APPAREL AND ACCESSORY STORES	117.14	124.01	123.80	124.20	-	4.11	4.12	4.39	4.42	-
561	Men's and boys' clothing and furnishings	148.20	156.79	158.50	158.07	-	4.69	4.74	5.00	5.05	-
562	Women's ready-to-wear stores	103.25	110.11	109.88	109.20	-	3.81	3.81	4.10	4.09	-
565	Family clothing stores	111.95	118.00	115.60	117.55	-	3.97	4.00	4.25	4.29	-
566	Shoe stores	122.96	129.30	132.02	134.50	-	4.30	4.31	4.60	4.67	-
57	FURNITURE AND HOME FURNISHINGS STORES	186.74	193.50	196.87	197.91	-	5.29	5.39	5.69	5.72	-
571	Furniture and home furnishings	190.99	196.37	196.84	200.07	-	5.38	5.47	5.64	5.70	-
572	Household appliance stores	197.11	201.63	214.67	210.10	-	5.46	5.57	6.03	6.02	-
573	Radio, television, and music stores	169.44	180.70	186.92	184.92	-	4.94	5.09	5.63	5.57	-
58	EATING AND DRINKING PLACES³	90.65	92.93	96.98	96.49	-	3.50	3.52	3.73	3.74	-
59	MISCELLANEOUS RETAIL	146.88	152.13	153.01	154.94	-	4.59	4.61	4.92	4.95	-
591	Drug stores and proprietary stores	130.28	133.03	130.95	133.15	-	4.23	4.25	4.56	4.56	-
594	Miscellaneous shopping goods stores	129.13	138.56	137.24	135.57	-	4.29	4.33	4.59	4.58	-
596	Nonstore retailers	183.16	189.74	193.05	195.39	-	5.34	5.36	5.78	5.73	-
598	Fuel and ice dealers	240.52	244.55	251.29	264.54	-	6.12	6.16	6.46	6.63	-
599	Retail stores, nec	152.88	157.09	165.00	166.66	-	4.55	4.58	5.06	5.02	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁶	196.38	199.47	214.53	218.16	217.92	5.41	5.48	5.91	6.01	6.02
60	BANKING	168.69	171.81	182.50	187.25	-	4.66	4.72	5.00	5.13	-
602	Commercial and stock savings banks	165.70	169.26	179.22	184.33	-	4.59	4.65	4.91	5.05	-
61	CREDIT AGENCIES OTHER THAN BANKS	175.48	177.97	190.01	194.18	-	4.73	4.81	5.22	5.32	-
612	Savings and loan associations	170.29	174.27	179.42	183.46	-	4.64	4.71	4.97	5.04	-
614	Personal credit institutions	167.07	167.54	186.07	190.77	-	4.54	4.59	5.14	5.27	-
63	INSURANCE CARRIERS	216.55	219.58	244.40	246.28	-	5.79	5.84	6.50	6.55	-
631	Life insurance	217.35	220.00	255.91	256.81	-	5.75	5.82	6.77	6.83	-
632	Medical service and health insurance	211.69	216.59	231.19	233.70	-	5.63	5.73	6.16	6.15	-
633	Fire, marine, and casualty insurance	216.57	217.71	237.44	239.67	-	5.88	5.90	6.40	6.46	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980F	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980C	Nov. 1980P	Dec. 1980P
		WHOLESALE TRADE-DURABLE GOODS—Continued									
505	Metals and minerals, except petroleum	40.2	40.4	39.6	39.8	-	-	-	-	-	-
506	Electrical goods	39.4	39.8	39.1	39.2	-	-	-	-	-	-
507	Hardware, plumbing, and heating equipment	38.7	38.8	38.6	38.7	-	-	-	-	-	-
508	Machinery, equipment, and supplies	39.9	39.8	39.5	39.3	-	-	-	-	-	-
509	Miscellaneous durable goods	39.4	39.4	38.5	38.7	-	-	-	-	-	-
51	WHOLESALE TRADE-NONDURABLE GOODS										
511	Paper and paper products	38.3	38.3	38.2	37.9	-	-	-	-	-	-
512	Drugs, proprietaries, and sundries	36.5	37.1	36.4	37.1	-	-	-	-	-	-
513	Apparel, piece goods, and notions	37.6	37.9	37.4	37.1	-	-	-	-	-	-
514	Groceries and related products	37.2	37.3	37.3	37.1	-	-	-	-	-	-
516	Chemicals and allied products	38.9	38.9	37.8	37.9	-	-	-	-	-	-
517	Petroleum and petroleum products	39.8	39.7	39.6	39.2	-	-	-	-	-	-
518	Petroleum and petroleum products	39.6	39.2	39.9	40.0	-	-	-	-	-	-
519	Beer, wine, and distilled beverages	36.9	37.4	37.0	37.2	-	-	-	-	-	-
519	Miscellaneous nondurable goods	38.0	38.3	38.8	38.4	-	-	-	-	-	-
52-59	RETAIL TRADE	30.4	31.0	30.0	30.0	30.6	-	-	-	-	-
52	BUILDING MATERIALS AND GARDEN SUPPLIES										
521	Lumber and other building materials	37.1	37.3	37.0	36.8	-	-	-	-	-	-
525	Hardware stores	39.3	39.1	39.0	38.7	-	-	-	-	-	-
525	Hardware stores	33.4	34.4	33.6	33.1	-	-	-	-	-	-
53	GENERAL MERCHANDISE STORES										
531	Department stores	29.5	30.9	29.3	29.3	-	-	-	-	-	-
533	Variety stores	29.4	30.8	29.3	29.2	-	-	-	-	-	-
539	Misc. general merchandise stores	29.8	31.5	29.2	29.2	-	-	-	-	-	-
539	Misc. general merchandise stores	25.6	30.7	29.6	29.8	-	-	-	-	-	-
54	FOOD STORES										
541	Grocery stores	31.5	31.4	30.9	30.9	-	-	-	-	-	-
546	Retail bakeries	31.9	31.6	31.1	31.2	-	-	-	-	-	-
546	Retail bakeries	29.5	30.1	29.2	29.3	-	-	-	-	-	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS										
551, 2	New and used car dealers	37.8	37.9	37.7	37.7	-	-	-	-	-	-
553	Auto and home supply stores	38.8	38.9	38.5	38.5	-	-	-	-	-	-
554	Gasoline service stations	40.8	40.8	40.5	40.3	-	-	-	-	-	-
554	Gasoline service stations	35.1	35.2	35.5	35.6	-	-	-	-	-	-
56	APPAREL AND ACCESSORY STORES										
561	Men's and boys' clothing and furnishings	28.5	30.1	28.2	28.1	-	-	-	-	-	-
562	Women's ready-to-wear stores	31.6	33.5	31.7	31.3	-	-	-	-	-	-
565	Family clothing stores	27.1	28.9	26.8	26.7	-	-	-	-	-	-
566	Shoe stores	28.2	29.5	27.2	27.4	-	-	-	-	-	-
566	Shoe stores	28.6	30.0	28.7	28.8	-	-	-	-	-	-
57	FURNITURE AND HOME FURNISHINGS STORES										
571	Furniture and home furnishings	35.3	35.9	34.6	34.6	-	-	-	-	-	-
572	Household appliance stores	35.5	35.9	34.9	35.1	-	-	-	-	-	-
573	Radio, television, and music stores	36.1	36.2	35.6	34.9	-	-	-	-	-	-
573	Radio, television, and music stores	34.3	35.5	33.2	33.2	-	-	-	-	-	-
58	EATING AND DRINKING PLACES										
59	MISCELLANEOUS RETAIL										
591	Drug stores and proprietary stores	25.9	26.4	26.0	25.8	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	32.0	33.0	31.1	31.3	-	-	-	-	-	-
596	Nonstore retailers	30.8	31.3	29.1	29.2	-	-	-	-	-	-
598	Fuel and ice dealers	30.1	32.0	29.9	29.6	-	-	-	-	-	-
599	Retail stores, nec	34.3	35.4	33.4	34.1	-	-	-	-	-	-
599	Retail stores, nec	39.3	39.7	38.9	39.9	-	-	-	-	-	-
599	Retail stores, nec	33.6	34.3	33.0	33.2	-	-	-	-	-	-
-	FINANCE, INSURANCE, AND REAL ESTATE										
60	BANKING	36.3	36.4	36.3	36.3	36.2	-	-	-	-	-
602	Commercial and stock savings banks	36.2	36.4	36.5	36.5	-	-	-	-	-	-
602	Commercial and stock savings banks	36.1	36.4	36.5	36.5	-	-	-	-	-	-
61	CREDIT AGENCIES OTHER THAN BANKS										
612	Savings and loan associations	37.1	37.0	36.4	36.5	-	-	-	-	-	-
614	Personal credit institutions	36.7	37.0	36.1	36.4	-	-	-	-	-	-
614	Personal credit institutions	36.8	36.5	36.2	36.2	-	-	-	-	-	-
63	INSURANCE CARRIERS										
631	Life insurance	37.4	37.6	37.6	37.6	-	-	-	-	-	-
632	Medical service and health insurance	37.8	37.8	37.8	37.6	-	-	-	-	-	-
633	Medical service and health insurance	37.6	37.8	37.9	38.0	-	-	-	-	-	-
633	Fire, marine, and casualty insurance	36.9	36.9	37.1	37.1	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
-	SERVICES	\$180.93	\$184.01	\$195.60	\$198.53	\$199.14	\$5.55	\$5.61	\$6.00	\$6.09	\$6.09
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	124.64	126.65	137.87	139.36	-	4.10	4.18	4.55	4.63	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	145.17	146.54	155.50	155.26	-	4.22	4.26	4.56	4.58	-
723	Beauty shops	125.45	128.74	129.33	131.12	-	4.06	4.18	4.34	4.40	-
	BUSINESS SERVICES										
731	Advertising	276.24	283.97	292.94	301.31	-	7.61	7.91	8.16	8.44	-
734	Services to buildings	130.62	133.38	144.67	143.83	-	4.82	4.85	5.28	5.23	-
737	Computer and data processing services	238.92	245.95	267.18	273.80	-	6.60	6.72	7.30	7.40	-
	AUTO REPAIR, SERVICES, AND GARAGES										
75	Automotive repair shops	218.04	220.50	233.32	235.98	-	5.83	5.88	6.14	6.21	-
753	Automotive repair shops	239.85	242.50	256.62	260.13	-	6.15	6.25	6.58	6.67	-
76	MISCELLANEOUS REPAIR SERVICES	262.80	265.72	288.36	286.88	-	6.57	6.61	7.12	7.19	-
	MOTION PICTURES										
78	Motion picture production and services	240.81	252.42	191.36	228.45	-	8.42	9.08	7.36	8.43	-
781	Motion picture production and services	447.35	472.81	413.95	486.82	-	11.50	12.71	10.56	12.11	-
79	AMUSEMENT AND RECREATION SERVICES	163.43	161.02	171.41	176.41	-	5.54	5.44	5.85	5.98	-
	HEALTH SERVICES										
80	Offices of physicians	175.36	176.67	192.21	193.52	-	5.33	5.37	5.66	5.90	-
801	Offices of physicians	180.38	183.63	199.10	201.18	-	5.55	5.65	6.07	6.19	-
802	Offices of dentists	151.15	151.09	167.02	168.47	-	5.23	5.21	5.84	5.87	-
805	Nursing and personal care facilities	121.52	121.44	129.86	130.71	-	3.92	3.93	4.23	4.23	-
806	Hospitals	193.69	195.28	213.52	213.91	-	5.68	5.71	6.28	6.31	-
81	LEGAL SERVICES	240.10	248.14	254.79	264.88	-	6.86	7.11	7.45	7.70	-
	MISCELLANEOUS SERVICES										
89	Engineering and architectural services	301.64	307.75	337.42	344.04	-	7.98	8.12	8.81	9.03	-
891	Engineering and architectural services	327.64	333.21	368.55	376.35	-	8.51	8.61	9.45	9.65	-
893	Accounting, auditing, and bookkeeping	256.43	265.54	278.24	284.56	-	6.82	7.10	7.40	7.67	-

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

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

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

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

⁵ Money payments only; tips, not included.

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

* Not available.

p = preliminary.

NOTE: Data from April 1979 forward are subject to revision when more recent benchmark data are introduced. See "Benchmark adjustments" in the Explanatory notes of this publication.

** Corrected data for September 1980 are:

Item	SIC 3312		SIC 331		SIC 33		Manufacturing	
	Original estimate	Corrected estimate	Original estimate	Corrected estimate	Original estimate	Corrected estimate	Original estimate	Corrected estimate
Average weekly earnings	\$483.17	\$472.25	\$465.63	\$455.91	\$400.79	\$397.01	\$295.71	\$294.57
Average hourly earnings	\$12.14	\$12.14	\$11.67	11.66	9.97	\$9.95	\$7.43	\$7.42
Average weekly hours	39.8	38.9	39.9	38.1	40.2	39.9	39.8	39.7

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
-	SERVICES	32.6	32.8	32.6	32.6	32.7	-	-	-	-	-
701	HOTELS AND OTHER LODGING PLACES:										
	Hotels, motels, and tourist courts	30.4	30.3	30.3	30.1	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	34.4	34.4	34.1	33.9	-	-	-	-	-	
723	Beauty shops	30.9	30.8	29.8	29.8	-	-	-	-	-	
73	BUSINESS SERVICES	32.6	33.0	32.8	33.0	-	-	-	-	-	
731	Advertising	36.3	35.9	35.9	35.7	-	-	-	-	-	
734	Services to buildings	27.1	27.5	27.4	27.5	-	-	-	-	-	
737	Computer and data processing services	36.2	36.6	36.6	37.0	-	-	-	-	-	
75	AUTO REPAIR, SERVICES, AND GARAGES	37.4	37.5	38.0	38.0	-	-	-	-	-	
753	Automotive repair shops	39.0	36.8	39.0	39.0	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	40.0	40.2	40.5	39.9	-	-	-	-	-	
78	MOTION PICTURES	28.6	27.8	26.0	27.1	-	-	-	-	-	
781	Motion picture production and services	38.9	37.2	39.2	40.2	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	29.5	29.6	29.3	29.5	-	-	-	-	-	
80	HEALTH SERVICES	32.9	32.9	32.8	32.8	-	-	-	-	-	
801	Offices of physicians	32.5	32.5	32.8	32.5	-	-	-	-	-	
802	Offices of dentists	28.9	29.0	28.6	28.7	-	-	-	-	-	
805	Nursing and personal care facilities	31.0	30.9	30.7	30.9	-	-	-	-	-	
806	Hospitals	34.1	34.2	34.0	33.9	-	-	-	-	-	
81	LEGAL SERVICES	35.0	34.9	34.2	34.4	-	-	-	-	-	
89	MISCELLANEOUS SERVICES	37.8	37.9	38.3	38.1	-	-	-	-	-	
891	Engineering and architectural services	38.5	38.7	39.0	39.0	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	37.6	37.4	37.6	37.1	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1979								1980				
	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May
Executive Branch													
Total employment	2,720.3	2,770.2	2,783.0	2,789.6	2,697.8	2,702.7	2,707.0	2,717.2	2,709.1	2,749.5	2,815.1	3,049.2	2,908.2
Average weekly hours	39.4	39.4	39.8	39.5	39.4	39.3	39.7	39.5	39.3	39.6	38.9	37.7	36.6
Average overtime hours	1.0	1.0	1.2	1.2	1.4	1.4	1.3	1.4	1.1	1.2	1.2	1.1	1.0
Indexes (1967=100):													
Average weekly earnings	238.9	238.6	241.3	242.5	244.6	254.5	259.5	261.5	259.6	261.1	254.8	244.4	236.8
Average hourly earnings	238.9	238.6	238.9	241.9	244.6	255.1	257.6	260.8	260.3	259.7	258.1	255.4	254.9
Department of Defense													
Total employment	896.6	906.6	908.5	908.5	887.2	887.8	888.0	889.0	885.1	885.4	886.6	888.5	895.1
Average weekly hours	39.9	39.9	40.1	40.0	40.0	38.9	40.0	40.0	39.8	39.9	39.8	39.8	39.8
Average overtime hours .....	.8	.8	.8	.9	1.2	.9	1.1	1.0	.8	.9	1.0	.8	.9
Indexes (1967=100):													
Average weekly earnings	235.2	233.6	233.4	234.5	238.0	240.4	252.3	254.0	249.7	251.7	251.9	251.9	249.2
Average hourly earnings	237.6	236.0	234.6	236.2	239.8	249.0	254.2	255.9	252.9	254.2	255.0	255.0	252.3
Postal Service													
Total employment	659.5	663.2	665.4	665.4	659.0	653.7	673.0	673.5	655.9	656.7	655.7	658.2	659.3
Average weekly hours	39.8	39.6	40.6	39.9	40.0	41.6	41.1	40.7	40.6	41.4	40.6	40.4	40.0
Average overtime hours	1.3	1.3	1.8	1.5	1.9	2.3	2.1	2.7	2.1	2.2	2.1	2.0	1.7
Indexes (1967=100):													
Average weekly earnings	268.1	274.0	281.2	283.0	286.2	300.6	296.1	305.7	304.0	311.6	305.6	303.8	299.5
Average hourly earnings	260.1	267.1	267.4	273.8	276.2	279.0	278.0	289.9	289.0	290.5	290.5	290.2	289.0
Other Agencies													
Total employment	1,164.2	1,200.4	1,209.1	1,215.7	1,151.6	1,161.2	1,146.0	1,154.7	1,168.1	1,207.4	1,272.8	1,502.5	1,353.8
Average weekly hours	38.8	38.8	39.2	38.9	38.7	38.7	38.5	38.3	38.2	38.3	37.3	34.9	32.9
Average overtime hours	1.1	1.0	1.2	1.2	1.4	1.2	1.0	.9	.9	.9	.8	.8	.8
Indexes (1967=100):													
Average weekly earnings	226.0	223.3	226.6	227.1	228.4	243.2	244.4	243.6	244.2	241.9	231.3	211.1	200.2
Average hourly earnings	226.0	223.3	224.3	226.5	229.0	243.8	246.3	246.8	248.0	245.0	240.6	234.7	236.1

NOTE: The hours and earnings averages presented in this table have been computed using data collected by the Office of Personnel Management from agencies with 2500 or more employees in the Executive Branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these averages relate to hours and earnings of all workers both super-

visory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers. The total employment levels shown include all workers in the Executive Branch regardless of the size of the agency.

C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
MANUFACTURING	\$6.59	\$6.69	\$7.23	\$7.32	\$7.40
DURABLE GOODS *	7.00	7.12	7.74	7.83	7.94
Lumber and wood products	5.97	6.00	6.51	6.54	-
Furniture and fixtures	5.06	5.10	5.46	5.50	-
Stone, clay, and glass products	6.72	6.77	7.38	7.46	-
Primary metal industries *	8.87	8.91	9.76	9.93	-
Fabricated metal products	6.73	6.85	7.42	7.48	-
Machinery, except electrical	7.15	7.25	8.05	8.12	-
Electric and electronic equipment	6.28	6.40	7.01	7.06	-
Transportation equipment	8.38	8.59	9.35	9.44	-
Instruments and related products	6.17	6.28	6.75	6.80	-
Miscellaneous manufacturing industries	4.96	5.05	5.40	5.44	-
NONDURABLE GOODS	5.96	6.01	6.48	6.54	6.59
Food and kindred products	6.17	6.24	6.62	6.74	-
Tobacco manufactures	6.81	6.77	7.32	7.49	-
Textile mill products	4.64	4.65	5.06	5.09	-
Apparel and other textile products	4.25	4.31	4.66	4.68	-
Paper and allied products	7.02	7.09	7.69	7.76	-
Printing and publishing	6.86	6.93	7.49	7.56	-
Chemicals and allied products	7.56	7.62	8.20	8.25	-
Petroleum and coal products	9.07	9.04	9.91	10.05	-
Rubber and misc. plastics products	5.91	5.98	6.46	6.53	-
Leather and leather products	4.23	4.26	4.55	4.57	-

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

P=preliminary.

* Corrected data for September 1980 are: Durable goods—\$7.85; and Primary metal industries—\$9.64.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
				Worker with no dependents			Married worker with 3 dependents		
	Nov. 1979	Oct. 1980	Nov. 1980 ^p	Nov. 1979	Oct. 1980	Nov. 1980 ^p	Nov. 1979	Oct. 1980	Nov. 1980 ^p
TOTAL PRIVATE:									
Current dollars	\$225.70	\$242.16	\$244.28	\$182.22	\$193.76	\$195.24	\$199.27	\$211.76	\$213.37
1967 dollars	99.17	95.30	95.27	80.06	76.25	76.15	87.55	83.34	83.22
MINING:									
Current dollars	380.63	407.60	414.12	284.86	301.01	304.91	314.58	333.54	338.10
1967 dollars	167.24	160.41	161.51	125.16	118.46	118.92	138.22	131.26	131.86
CONSTRUCTION:									
Current dollars	348.43	388.48	375.81	264.75	289.56	281.98	291.11	320.18	311.06
1967 dollars	153.09	152.88	146.57	116.32	113.96	109.98	127.90	126.01	121.32
MANUFACTURING:									
Current dollars	276.86	298.10	305.12	217.80	232.22	236.98	238.08	254.20	259.52
1967 dollars	121.64	117.32	119.00	95.69	91.39	92.43	104.60	100.04	101.22
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	342.10	366.16	369.47	260.71	276.08	278.18	286.50	304.03	306.44
1967 dollars	150.31	144.10	144.10	114.55	108.65	108.49	125.88	119.65	119.52
WHOLESALE AND RETAIL TRADE:									
Current dollars	167.83	179.44	180.16	139.74	148.44	148.98	157.03	164.85	165.33
1967 dollars	73.74	70.62	70.27	61.40	58.42	58.10	68.99	64.88	64.48
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	196.38	214.53	218.16	160.85	174.08	176.72	176.50	190.63	193.46
1967 dollars	86.28	84.43	85.09	70.67	68.51	68.92	77.55	75.02	75.45
SERVICES:									
Current dollars	180.93	195.60	198.53	149.55	160.28	162.42	165.85	175.89	178.18
1967 dollars	79.49	76.98	77.43	65.71	63.08	63.35	72.87	69.22	69.49
CONSUMER PRICE INDEX FOR URBAN WAGE EARNERS AND CLERICAL WORKERS (CPI-W, All items, 1967=100)	227.6	254.1	256.4						

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

² Spendable earnings are calculated by taking the average weekly pay for all production or nonsupervisory jobs, both full-time and part-time, and then deducting social security and Federal income taxes applicable to a single worker or to a married worker with three dependents who earned this amount (see Explanatory Notes for the establishment data in the back of

this publication). A technical note on the calculation and uses of the spendable earnings series is available on request.

* Corrected current dollar data for September 1980 are: \$294.57, \$229.82, and \$251.52.

** Corrected 1967 dollar data for September 1980 are: \$116.94, \$81.23, and \$99.85.
p=preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

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

[1967=100]

Industry division and group	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980 ^p	Dec. 1980 ^p
	Hours				
TOTAL PRIVATE	110.0	111.1	125.8	126.0	127.7
GOODS-PRODUCING	109.8	110.1	105.2	105.2	106.0
MINING	120.3	120.4	125.9	170.9	173.8
CONSTRUCTION	125.1	121.7	126.6	129.4	123.7
MANUFACTURING	106.4	107.4	97.3	98.7	100.5
DURABLE GOODS *	108.5	110.3	97.6	99.7	102.2
Lumber and wood products	101.8	99.5	99.7	99.0	99.4
Furniture and fixtures	108.5	109.6	101.4	101.8	105.4
Stone, clay, and glass products	106.0	104.0	102.3	103.0	101.0
Primary metal industries *	102.3	101.5	79.9	83.0	86.2
Fabricated metal products	109.2	110.9	96.1	97.7	99.8
Machinery, except electrical	114.3	117.1	109.6	111.9	115.3
Electric and electronic equipment	115.6	117.6	103.0	105.6	108.0
Transportation equipment	102.7	110.4	86.3	89.7	94.1
Instruments and related products	113.6	115.2	124.2	127.7	130.5
Miscellaneous manufacturing industries	105.8	101.5	92.1	92.5	90.7
NONDURABLE GOODS	103.2	102.9	99.8	97.1	98.2
Food and kindred products	103.7	101.8	102.9	95.9	94.1
Tobacco manufactures	96.8	102.2	112.6	84.5	76.4
Textile mill products	100.2	100.8	92.8	86.7	88.6
Apparel and other textile products	99.1	98.3	98.7	88.7	88.9
Paper and allied products	103.8	104.9	98.7	98.7	101.8
Printing and publishing	111.3	112.6	109.0	105.1	110.3
Chemicals and allied products	103.8	104.2	99.6	105.7	107.8
Petroleum and coal products	110.4	105.7	105.4	119.8	118.6
Rubber and misc. plastics products	105.2	104.6	96.6	136.8	139.7
Leather and leather products	95.6	95.6	92.4	64.3	64.1
SERVICE-PRODUCING	110.1	111.7	140.1	140.5	142.8
TRANSPORTATION AND PUBLIC UTILITIES	110.3	109.5	107.6	113.8	114.4
WHOLESALE AND RETAIL TRADE	109.0	112.7	107.9	132.6	137.4
WHOLESALE TRADE	112.2	112.3	111.5	134.1	135.4
RETAIL TRADE	107.8	112.9	106.5	132.0	138.2
FINANCE, INSURANCE, AND REAL ESTATE	111.9	111.9	115.2	152.4	152.4
SERVICES	110.8	111.2	116.0	160.3	160.6

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

* Corrected hours data for September 1980 are: Durable goods—96.7, and Primary metal industries—78.8.

** Corrected payrolls data for September 1980 are: Total private—318.1; Goods-producing—278.9; Manufacturing—255.2; Durable goods—255.8; and Primary metal industries—234.7. p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group—Continued

[1967=100]

Industry division and group	Nov. 1979	Dec. 1979	Oct. 1980	Nov. 1980P	Dec. 1980P
	Payrolls				
TOTAL PRIVATE**	132.9	135.1	321.9	325.5	330.6
GOODS-PRODUCING **	133.4	135.2	281.9	283.9	288.7
MINING	151.2	151.8	170.0	510.2	518.5
CONSTRUCTION	146.9	144.0	161.4	322.2	310.3
MANUFACTURING **	128.7	131.8	258.3	265.2	274.2
DURABLE GOODS **	130.6	135.1	261.1	270.3	281.6
Lumber and wood products.....	124.2	121.8	285.1	284.0	284.3
Furniture and fixtures.....	130.3	132.9	243.7	246.3	258.9
Stone, clay, and glass products.....	129.1	127.1	281.0	285.8	280.7
Primary metal industries **.....	128.0	127.3	241.4	256.0	269.5
Fabricated metal products.....	129.7	134.1	247.7	254.3	262.8
Machinery, except electrical.....	137.0	142.8	287.3	296.4	309.0
Electric and electronic equipment.....	139.8	145.0	267.2	277.5	288.0
Transportation equipment.....	122.9	135.4	245.6	258.1	278.6
Instruments and related products.....	137.3	141.5	302.9	314.3	324.8
Miscellaneous manufacturing industries.....	124.4	121.0	217.5	220.4	220.2
NONDURABLE GOODS	125.4	126.1	131.0	256.6	261.6
Food and kindred products.....	125.4	124.2	132.5	257.3	253.8
Tobacco manufactures.....	121.6	128.8	154.0	288.5	275.5
Textile mill products.....	122.3	123.3	122.4	222.9	229.8
Apparel and other textile products.....	118.1	118.8	128.6	207.8	209.8
Paper and allied products.....	129.3	132.0	134.0	281.4	292.9
Printing and publishing.....	129.6	132.7	137.2	250.9	264.9
Chemicals and allied products.....	127.2	128.3	131.7	291.9	300.3
Petroleum and coal products.....	134.7	128.0	140.6	351.9	341.9
Rubber and misc. plastics products.....	124.9	125.6	125.1	338.7	350.0
Leather and leather products.....	114.8	115.3	118.1	145.1	146.0
SERVICE-PRODUCING	132.6	135.1	356.4	361.3	366.7
TRANSPORTATION AND PUBLIC UTILITIES*	134.3	133.7	140.9	326.0	329.0
WHOLESALE AND RETAIL TRADE	132.0	136.6	139.8	331.6	342.6
WHOLESALE TRADE	136.8	139.3	146.3	335.4	341.1
RETAIL TRADE	129.3	135.2	136.4	329.5	343.4
FINANCE, INSURANCE, AND REAL ESTATE	133.2	134.9	149.4	354.9	355.0
SERVICES	132.2	134.2	148.3	426.6	427.7

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL PRIVATE	35.7	35.6	35.5	35.4	35.3	35.1	35.0	34.9	35.1	35.2	35.3	35.4	35.4
MINING ²	43.9	43.4	43.2	43.4	42.8	42.7	43.2	41.9	43.1	43.5	43.5	43.5	44.1
CONSTRUCTION	37.2	37.3	37.1	36.6	36.7	36.8	37.1	36.8	36.5	37.4	37.0	37.1	37.0
MANUFACTURING	40.2	40.3	40.1	39.8	39.8	39.3	39.1	39.0	39.4	39.6	39.7	39.9	40.2
<i>Overtime hours</i>	3.2	3.2	3.0	3.1	3.0	2.6	2.4	2.5	2.7	2.7	2.8	2.9	3.1
DURABLE GOODS	40.7	40.8	40.6	40.3	40.3	39.7	39.5	39.4	39.9	40.1	40.1	40.5	40.8
<i>Overtime hours</i>	3.2	3.3	3.1	3.2	3.0	2.5	2.4	2.4	2.6	2.7	2.8	3.0	3.2
Lumber and wood products	39.0	39.4	39.1	38.7	37.3	37.5	37.6	38.1	38.9	38.8	38.7	39.3	39.5
Furniture and fixtures	38.9	39.2	39.0	38.5	38.5	37.6	37.0	36.6	37.4	38.0	38.0	38.0	38.5
Stone, clay, and glass products	41.5	41.4	41.2	40.9	40.6	40.3	40.4	40.2	40.3	40.9	40.9	41.1	41.2
Primary metal industries	40.7	40.8	40.8	40.7	40.6	39.2	38.8	38.6	39.2	C39.7	40.1	40.8	41.4
Fabricated metal products	40.9	40.9	40.8	40.7	40.8	39.9	39.7	39.6	40.1	40.4	40.4	40.5	40.7
Machinery, except electrical	41.5	41.6	41.5	41.3	41.5	41.0	40.7	40.6	40.8	40.9	40.7	41.0	41.2
Electric and electronic equipment	40.5	40.5	40.3	40.0	39.9	39.5	39.2	39.0	39.4	39.5	39.9	40.0	40.3
Transportation equipment	40.9	40.9	40.8	40.4	40.5	39.7	39.5	39.6	40.9	40.6	40.8	41.4	41.9
Instruments and related products	41.0	41.4	40.9	40.4	40.7	40.3	40.4	40.1	40.1	40.1	40.2	40.7	40.9
Miscellaneous manufacturing ind	39.0	39.2	39.1	38.6	38.5	38.3	38.2	38.3	38.6	38.9	38.7	38.7	39.2
NONDURABLE GOODS	39.4	39.5	39.4	39.0	39.1	38.9	38.6	38.5	38.7	38.8	39.0	39.0	39.5
<i>Overtime hours</i>	3.1	3.1	2.9	3.0	3.0	2.6	2.5	2.6	2.8	2.7	2.8	2.9	3.0
Food and kindred products	39.9	39.8	39.7	39.3	39.6	39.9	39.6	39.7	39.8	39.7	39.6	39.9	40.1
Tobacco manufactures	38.5	38.5	37.9	37.7	38.2	38.2	37.3	38.5	37.3	37.5	39.5	38.9	38.3
Textile mill products	41.0	41.5	41.1	40.8	40.3	39.7	39.1	38.8	39.2	39.7	39.9	40.0	40.6
Apparel and other textile products	35.6	36.0	35.9	35.3	35.8	35.3	35.2	35.1	35.1	35.1	35.3	35.0	35.6
Paper and allied products	42.8	43.0	42.9	42.6	42.5	41.7	41.4	41.4	41.8	42.2	42.2	42.5	43.0
Printing and publishing	37.4	37.8	37.4	37.2	37.2	37.1	36.8	36.9	37.1	36.9	37.1	36.8	37.5
Chemicals and allied products	41.8	42.0	41.9	41.8	41.5	41.3	41.1	40.8	41.0	41.3	41.4	41.7	42.0
Petroleum and coal products	43.4	36.9	40.7	39.7	41.1	42.5	42.3	42.2	42.2	42.7	43.1	43.0	42.8
Rubber and misc. plastics products	40.0	40.7	40.0	39.9	40.1	39.3	39.2	39.0	40.2	40.1	40.4	40.7	40.8
Leather and leather products	37.0	37.2	37.2	36.9	37.3	36.7	36.7	36.1	36.5	36.2	36.5	36.3	36.8
TRANSPORTATION AND PUBLIC UTILITIES	40.0	39.5	39.4	39.5	39.5	39.3	39.6	39.9	39.7	39.7	39.8	39.9	40.0
WHOLESALE AND RETAIL TRADE	32.6	32.6	32.4	32.3	32.0	32.1	31.9	31.8	32.0	32.1	32.2	32.2	32.2
WHOLESALE TRADE	38.9	38.9	38.8	38.5	38.5	38.6	38.0	38.0	38.2	38.5	38.5	38.5	38.7
RETAIL TRADE	30.6	30.6	30.4	30.3	30.0	30.1	30.0	29.8	30.1	30.1	30.2	30.2	30.1
FINANCE, INSURANCE, AND REAL ESTATE ²	36.4	36.2	36.3	36.3	36.2	36.1	36.4	36.2	36.3	36.1	36.3	36.3	36.2
SERVICES	32.8	32.7	32.7	32.7	32.6	32.5	32.6	32.6	32.6	32.5	32.6	32.7	32.7

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

² See footnote 1, table B-5.

p=preliminary,
c=corrected.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

**C-8. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group, seasonally adjusted**

[1967=100]

Industry division and group	1979	1980											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL PRIVATE	126.8	127.1	126.9	126.0	124.8	123.4	122.5	121.9	123.0	C123.7	124.5	125.2	125.7
GOODS-PRODUCING	109.4	110.1	109.1	107.3	105.2	102.2	100.3	98.5	100.0	C101.5	102.3	103.0	104.9
MINING	162.5	162.0	162.1	162.9	161.7	163.2	166.4	158.7	162.4	166.7	168.0	170.6	175.0
CONSTRUCTION	132.8	137.7	134.7	126.9	124.7	124.3	123.7	120.6	120.5	124.7	124.5	125.5	126.0
MANUFACTURING	103.5	103.4	102.8	101.8	99.8	96.1	93.8	92.5	94.2	95.2	96.1	97.4	98.7
DURABLE GOODS	106.4	106.0	105.8	105.0	101.6	96.6	94.0	92.4	94.1	C95.5	96.6	98.5	99.6
Lumber and wood products	109.4	109.8	108.9	106.5	95.3	90.4	89.6	91.5	95.3	96.8	97.0	99.4	100.3
Furniture and fixtures	109.1	109.7	108.9	106.9	106.1	99.0	94.6	91.0	94.8	98.4	99.0	99.2	101.9
Stone, clay, and glass products	110.4	110.3	109.6	108.0	103.5	95.4	96.7	95.1	96.5	99.3	99.5	101.2	101.2
Primary metal industries	92.9	92.7	92.4	91.8	89.9	82.4	77.4	73.4	75.4	C77.7	80.5	83.7	86.4
Fabricated metal products	105.7	104.8	104.9	104.6	102.1	95.3	92.5	89.9	92.3	94.5	95.1	96.2	96.9
Machinery, except electrical	114.4	118.5	117.5	116.9	116.1	114.1	110.8	108.8	108.6	110.1	110.2	111.0	111.1
Electric and electronic equipment	110.4	110.8	109.8	109.4	108.1	103.8	100.1	98.5	99.8	100.5	102.1	103.6	105.1
Transportation equipment	98.3	91.7	93.8	93.0	85.0	79.1	79.6	79.8	82.4	82.5	84.7	88.2	88.7
Instruments and related products	128.8	130.0	129.1	128.7	128.4	126.0	125.1	123.8	124.1	123.8	124.2	126.3	127.8
Miscellaneous manufacturing ind	99.4	99.3	98.2	96.9	95.8	91.6	88.5	89.0	88.5	88.9	87.6	88.5	91.1
NONDURABLE GOODS	99.2	99.7	98.4	97.3	97.2	95.4	93.5	92.5	94.3	94.7	95.4	95.9	97.4
Food and kindred products	97.6	96.9	96.2	94.6	94.4	95.1	93.2	93.9	94.8	93.2	93.7	94.5	94.3
Tobacco manufactures	70.3	71.7	70.5	70.2	72.4	73.8	72.1	73.0	68.1	71.1	74.9	75.1	68.6
Textile mill products	91.5	92.7	91.6	91.0	89.4	86.4	82.2	80.5	83.3	84.5	85.3	85.7	87.4
Apparel and other textile products	88.5	90.3	90.5	89.2	89.3	87.2	86.7	86.1	87.2	87.3	87.5	87.0	89.0
Paper and allied products	102.1	102.9	102.5	101.6	100.4	96.7	94.7	93.6	95.0	96.5	97.3	98.5	100.6
Printing and publishing	105.2	106.9	105.9	105.1	104.8	103.6	103.1	102.9	103.8	103.8	104.1	103.7	107.3
Chemicals and allied products	108.2	109.0	108.4	108.0	107.4	106.0	104.4	102.1	102.4	103.9	104.1	105.5	107.3
Petroleum and coal products	122.4	104.9	75.7	71.4	91.6	113.8	113.3	113.9	114.8	116.1	117.2	116.9	119.9
Rubber and misc. plastics products	143.4	145.7	142.2	141.4	139.9	128.5	123.6	119.2	127.5	130.1	132.8	135.1	137.6
Leather and leather products	66.4	66.4	66.4	65.6	66.0	63.6	63.3	59.5	63.9	63.7	64.2	63.9	64.1
SERVICE-PRODUCING	138.8	138.9	139.2	139.0	138.3	138.1	137.9	138.2	139.0	139.2	139.9	140.2	140.2
TRANSPORTATION AND PUBLIC UTILITIES	115.8	114.0	113.7	113.9	113.5	112.6	112.6	112.8	112.6	112.7	113.5	113.4	113.8
WHOLESALE AND RETAIL TRADE	132.2	132.6	132.7	131.8	130.4	130.3	129.1	128.9	130.4	130.9	131.4	131.4	131.0
WHOLESALE TRADE	135.0	135.4	135.6	134.5	134.1	133.7	130.8	131.0	131.9	133.3	133.6	133.6	134.5
RETAIL TRADE	131.0	131.5	131.5	130.7	128.9	129.0	128.5	128.0	129.8	130.0	130.6	130.5	129.6
FINANCE, INSURANCE, AND REAL ESTATE	148.2	148.2	149.3	149.6	149.4	149.7	151.2	151.1	151.8	151.1	152.4	152.6	152.8
SERVICES	156.0	156.4	157.2	157.6	157.6	157.4	157.8	159.1	159.4	159.3	160.0	161.1	161.5

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

p-preliminary.
c-corrected.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1979			1980									
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
Hourly Earnings Index² (1967=100)													
TOTAL PRIVATE (In current dollars)	239.4	240.3	242.4	245.2	246.2	248.3	250.9	252.1	254.0	255.4	257.9	260.7	261.6
MINING	274.6	277.0	278.5	280.9	283.7	284.2	286.3	285.3	288.9	290.4	294.4	298.7	299.5
CONSTRUCTION	228.1	225.8	229.8	232.2	233.0	234.2	235.3	236.7	239.0	239.3	241.6	242.8	244.6
MANUFACTURING	244.1	245.2	247.8	250.2	252.4	255.0	258.3	260.6	262.4	264.5	266.6	268.9	270.4
TRANSPORTATION AND PUBLIC UTILITIES	260.1	260.8	262.4	265.9	267.2	268.7	270.6	272.8	273.2	274.0	280.2	282.6	283.9
WHOLESALE AND RETAIL TRADE	231.4	234.2	235.2	237.8	238.0	239.8	241.8	243.5	245.3	246.5	247.7	250.4	250.9
FINANCE, INSURANCE, AND REAL ESTATE	217.9	218.4	221.1	225.7	224.9	226.3	230.2	229.0	232.7	233.1	234.8	239.5	239.0
SERVICES	237.8	237.7	239.7	242.7	243.0	245.7	248.4	247.6	249.8	251.7	254.2	258.1	258.3
TOTAL PRIVATE (In 1967 dollars) ³	103.6	102.7	102.2	102.0	101.4	101.4	101.5	102.0	102.0	101.5	101.5	101.6	-
Average hourly earnings													
TOTAL PRIVATE	\$6.39	\$6.41	\$6.45	\$6.51	\$6.54	\$6.57	\$6.62	\$6.67	\$6.71	\$6.77	\$6.83	\$6.91	\$6.95
MINING ⁴	8.75	8.88	8.90	8.95	9.10	9.08	9.16	9.08	9.18	9.32	9.37	9.52	9.51
CONSTRUCTION	9.55	9.46	9.64	9.75	9.79	9.83	9.89	9.94	10.04	10.05	10.14	10.20	10.29
MANUFACTURING	6.91	6.93	6.99	7.06	7.11	7.15	7.22	7.30	7.36	7.41	7.49	7.58	7.64
TRANSPORTATION AND PUBLIC UTILITIES ⁴	8.54	8.55	8.58	8.62	8.71	8.72	8.75	8.90	8.95	9.04	9.20	9.26	9.30
WHOLESALE AND RETAIL TRADE	5.23	5.28	5.31	5.37	5.38	5.42	5.45	5.50	5.53	5.56	5.59	5.65	5.68
FINANCE, INSURANCE, AND REAL ESTATE ⁴	5.48	5.53	5.60	5.68	5.68	5.70	5.77	5.77	5.82	5.87	5.91	6.01	6.02
SERVICES	5.60	5.60	5.64	5.72	5.72	5.78	5.86	5.87	5.91	5.93	5.99	6.07	6.07
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	228.12	228.20	228.98	230.45	230.86	230.61	231.70	232.78	235.52	238.30	241.10	244.61	246.03
1967 dollars ³	98.88	97.52	96.53	95.62	95.08	94.16	93.77	94.17	94.62	94.75	94.92	95.33	-
Real spendable earnings (married worker with 3 dependents, 1967 dollars) ^{3, 5}	87.17	85.97	85.06	84.35	83.68	82.89	82.48	82.78	83.05	83.03	83.05	83.25	-

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

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

³ The CPI-W is used to deflate these series to 1967 dollars.

⁴ See footnote 1, table B-5.

⁵ See footnote 2, table C-5.

p=preliminary.
c=corrected.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	OCTOBER 1980	NOVEMBER p1980	DECEMBER p1980	Dec. 1979 to Dec. 1980	Oct. 1980 to Nov. 1980	Nov. 1980 to Dec. 1980
TOTAL	169,785	170,183	171,453	0.1	0.2	0.7
PRIVATE SECTOR	138,260	139,108	139,672	-0.1	0.6	0.4
MINING	2,311	2,395	2,505	8.4	3.6	4.6
CONSTRUCTION	8,566	8,621	8,662	-3.1	0.6	0.5
MANUFACTURING	41,651	42,086	42,483	-3.0	1.0	0.9
DURABLE GOODS	25,223	25,591	25,819	-4.0	1.5	0.9
NONDURABLE GOODS	16,427	16,495	16,665	-1.3	0.4	1.0
TRANSPORTATION AND PUBLIC UTILITIES	10,652	10,637	10,647	-1.3	-0.1	0.1
WHOLESALE AND RETAIL TRADE	34,741	34,779	34,719	-0.1	0.1	-0.2
FINANCE, INSURANCE, AND REAL ESTATE	9,854	9,902	9,899	3.2	0.5	0.0
SERVICES	30,485	30,688	30,757	3.6	0.7	0.2
GOVERNMENT	31,525	31,075	31,781	0.9	-1.4	2.3

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

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

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1978				1979				1980		
	1978	1979	I	II	III	IV	I	II	III	IV	I	II	III
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	119.3	118.3	118.5	119.1	119.7	119.8	118.9	118.3	117.8	117.7	117.7	116.8	116.9
Output	140.7	144.1	136.9	140.3	141.8	144.0	144.4	143.4	143.8	144.8	144.8	140.3	140.0
Hours	118.0	121.8	115.4	117.8	118.4	120.2	121.5	121.3	122.0	123.0	123.1	120.0	119.7
Compensation per hour	231.4	253.1	224.6	228.8	233.7	238.4	244.8	250.4	255.7	260.3	267.6	275.3	281.1
Real compensation per hour	118.4	116.4	118.8	118.3	118.2	117.9	117.9	117.0	115.8	114.2	112.9	112.5	112.9
Unit labor costs	194.0	214.0	189.4	192.1	195.2	199.0	205.9	211.7	217.0	221.1	227.5	235.6	240.4
Unit nonlabor payments	174.3	184.4	164.8	173.9	177.0	181.3	180.8	183.7	185.6	188.3	190.0	192.3	200.0
Implicit price deflator	187.2	203.8	180.9	185.8	188.9	192.9	197.2	202.0	206.1	209.7	214.5	220.6	226.4
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	116.9	115.7	116.2	116.7	117.4	117.6	116.6	115.4	115.0	115.2	114.9	113.8	114.3
Output	141.5	144.9	137.3	141.1	142.7	145.0	145.5	144.2	144.6	145.5	145.6	140.9	140.9
Hours	121.0	125.3	118.2	120.9	121.6	123.3	124.8	124.9	125.7	126.2	126.7	123.8	123.3
Compensation per hour	227.5	247.9	221.0	224.9	229.5	234.4	240.2	244.9	249.9	255.6	262.2	269.0	274.7
Real compensation per hour	116.4	114.0	116.9	116.3	116.1	115.9	115.7	114.4	113.2	112.1	110.6	109.9	110.3
Unit labor costs	194.6	214.4	190.2	192.8	195.6	199.3	206.0	212.1	217.3	221.8	228.2	236.3	240.5
Unit nonlabor payments	169.9	178.6	161.1	169.1	173.0	176.1	174.3	177.6	180.5	182.5	185.9	190.0	197.5
Implicit price deflator	186.1	202.1	180.2	184.7	187.8	191.4	195.1	200.3	204.7	208.4	213.7	220.4	225.8
MANUFACTURING:													
Output per hour of all persons	128.2	129.2	126.4	127.7	129.3	129.4	128.4	128.7	129.5	129.1	128.2	126.7	126.4
Output	134.5	138.6	130.3	133.6	135.8	138.1	139.4	138.5	138.4	138.0	137.4	129.2	126.3
Hours	104.9	107.3	103.1	104.6	105.0	106.7	108.6	107.6	106.9	106.9	107.2	102.0	99.9
Compensation per hour	229.9	250.8	223.9	227.1	231.7	236.6	242.3	248.0	252.7	258.0	264.6	274.1	282.1
Real compensation per hour	117.6	115.3	118.4	117.5	117.2	117.0	116.7	115.9	114.4	113.2	111.6	112.0	113.2
Unit labor costs	179.4	194.1	177.2	177.8	179.1	182.8	188.8	192.6	195.1	199.9	206.4	216.4	223.1
DURABLE GOODS													
Output per hour of all persons	121.4	121.3	119.6	121.4	122.5	122.4	120.9	121.3	121.0	120.8	119.3	118.3	117.4
Output	129.6	133.8	124.6	128.5	131.3	134.1	135.4	134.1	133.2	132.6	131.4	122.1	118.3
Hours	106.8	110.3	104.2	105.9	107.2	109.6	112.0	110.6	110.0	109.8	110.1	103.2	100.7
Compensation per hour	231.1	251.8	225.4	228.5	232.7	237.7	243.4	249.0	253.6	258.5	266.3	276.5	284.6
Real compensation per hour	118.3	115.8	119.2	118.1	117.7	117.6	117.2	116.3	114.8	113.4	112.3	112.9	114.3
Unit labor costs	190.4	207.5	188.5	188.2	189.9	194.2	201.3	205.3	209.5	214.1	223.2	233.7	242.3
NONDURABLE GOODS													
Output per hour of all persons	139.3	142.4	137.6	138.1	140.6	141.2	141.0	141.2	143.9	143.1	143.1	140.4	141.2
Output	142.3	146.3	139.6	141.8	143.2	144.5	145.9	145.7	147.0	146.7	147.1	140.7	139.4
Hours	102.1	102.7	101.5	102.7	101.9	102.4	103.4	103.2	102.2	102.5	102.8	100.2	98.7
Compensation per hour	226.7	247.2	220.6	224.2	228.7	232.9	238.6	244.5	249.3	255.4	259.6	269.1	277.1
Real compensation per hour	116.0	113.7	116.7	115.9	115.7	115.2	114.9	114.3	112.9	112.0	109.5	109.9	111.2
Unit labor costs	162.7	173.5	160.4	162.3	162.7	164.9	169.2	173.2	173.3	178.5	181.4	191.7	196.2
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	118.0	117.5	116.9	118.0	118.5	118.8	118.1	117.3	117.2	117.1	117.1	116.5	117.9
Output	150.0	154.7	144.7	149.7	151.4	154.2	155.1	154.1	154.3	155.1	155.4	150.7	150.9
Hours	127.1	131.6	123.8	126.9	127.8	129.8	131.4	131.4	131.7	132.4	132.7	129.4	128.1
Compensation per hour	225.0	244.9	219.0	222.6	226.9	231.3	237.3	242.1	247.1	252.1	258.8	265.7	271.8
Real compensation per hour	115.2	112.7	115.8	115.1	114.8	114.4	114.3	113.1	111.9	110.6	109.2	108.5	109.1
Total unit costs	193.3	210.4	190.8	191.6	194.0	196.8	202.3	208.0	213.2	218.0	224.3	233.6	238.2
Unit labor costs	190.6	208.4	187.3	188.7	191.5	194.8	201.0	206.4	210.8	215.3	221.1	228.0	230.7
Unit nonlabor costs	201.8	216.6	201.5	200.8	201.6	203.1	206.5	213.2	220.5	226.1	234.4	250.8	261.7
Unit profits	127.2	127.8	107.1	129.2	132.7	138.7	130.3	129.2	127.5	124.0	120.5	108.3	115.1
Implicit price deflator	183.5	198.1	178.3	182.3	184.9	188.2	191.6	196.3	200.4	204.0	208.9	215.0	219.9

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	I 1979	II 1979	III 1979	IV 1979	I 1980	II 1980	II 1978	III 1978	IV 1978	I 1979	II 1979	III 1979
	to II 1979	to III 1979	to IV 1979	to I 1980	to II 1980	to III 1980	to II 1979	to III 1979	to IV 1979	to I 1980	to II 1980	to III 1980
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-2.0	-1.4	-0.3	-0.3	-2.7	0.3	-0.7	-1.6	-1.7	-1.0	-1.2	-0.8
Output	-2.9	1.1	2.8	0.2	-12.0	-0.8	2.2	1.4	0.5	0.3	-2.2	-2.6
Hours	-0.9	2.5	3.1	0.5	-9.6	-1.0	2.9	3.0	2.3	1.3	-1.0	-1.9
Compensation per hour	9.5	8.7	7.5	11.7	12.0	8.7	9.4	9.4	9.2	9.3	9.9	9.9
Real compensation per hour	-2.9	-4.1	-5.4	-4.5	-1.5	1.5	-1.1	-2.1	-3.2	-4.2	-3.9	-2.5
Unit labor costs	11.8	10.3	7.8	12.1	15.1	8.4	10.2	11.2	11.1	10.5	11.3	10.8
Unit nonlabor payments	6.5	4.2	5.9	3.8	4.9	17.0	5.7	4.8	3.9	5.1	4.7	7.8
Implicit price deflator	10.1	8.3	7.2	9.4	11.9	11.0	8.7	9.1	8.7	8.8	9.2	9.9
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-3.9	-1.5	0.8	-1.1	-3.7	1.5	-1.1	-2.0	-2.0	-1.4	-1.4	-0.7
Output	-3.6	1.2	2.5	0.2	-12.3	0.1	2.2	1.3	0.3	0.1	-2.3	-2.5
Hours	0.4	2.7	1.7	1.3	-8.9	-1.4	3.3	3.4	2.4	1.5	-0.9	-1.9
Compensation per hour	8.1	8.5	9.5	10.7	10.8	8.8	8.9	8.9	9.1	9.2	9.8	9.9
Real compensation per hour	-4.2	-4.4	-3.6	-5.3	-2.6	1.6	-1.6	-2.5	-3.3	-4.4	-4.0	-2.5
Unit labor costs	12.5	10.1	8.6	12.0	15.0	7.2	10.1	11.1	11.3	10.8	11.4	10.7
Unit nonlabor payments	7.7	6.6	4.6	7.5	9.1	16.8	5.0	4.3	3.7	6.6	7.0	9.4
Implicit price deflator	11.0	9.0	7.4	10.6	13.2	10.0	8.5	9.0	8.9	9.5	10.0	10.3
MANUFACTURING:												
Output per hour of all persons	1.1	2.5	-1.3	-2.8	-4.7	-0.7	0.8	0.1	-0.3	-0.2	-1.6	-2.4
Output	-2.5	-0.3	-1.3	-1.6	-21.8	-8.6	3.7	1.9	-0.1	-1.4	-6.7	-8.7
Hours	-3.6	-2.7	-0.1	1.3	-18.0	-7.9	2.9	1.7	0.2	-1.3	-5.2	-6.5
Compensation per hour	9.6	7.8	8.8	10.5	15.2	12.1	9.2	9.1	9.1	9.2	10.5	11.6
Real compensation per hour	-2.8	-4.9	-4.2	-5.5	1.4	4.6	-1.3	-2.4	-3.3	-4.4	-3.4	-1.0
Unit labor costs	8.5	5.2	10.2	13.7	20.9	12.9	8.3	8.9	9.3	9.3	12.4	14.4
DURABLE GOODS												
Output per hour of all persons	1.3	-0.9	-0.8	-4.7	-3.2	-3.0	-0.1	-1.2	-1.3	-1.3	-2.4	-3.0
Output	-3.9	-2.7	-1.7	-3.4	-25.5	-11.9	4.3	1.4	-1.1	-3.0	-8.9	-11.1
Hours	-5.2	-1.9	-0.9	1.3	-23.0	-9.2	4.4	2.7	0.2	-1.7	-6.7	-8.4
Compensation per hour	9.6	7.6	8.1	12.6	16.2	12.2	9.0	9.0	8.7	9.4	11.1	12.2
Real compensation per hour	-2.9	-5.1	-4.8	-3.7	2.2	4.7	-1.5	-2.5	-3.5	-4.1	-2.9	-0.5
Unit labor costs	8.1	8.5	9.0	18.2	20.1	15.7	9.1	10.3	10.2	10.9	13.8	15.7
NONDURABLE GOODS												
Output per hour of all persons	0.5	7.8	-2.1	0.0	-7.5	2.4	2.2	2.3	1.4	1.5	-0.6	-1.9
Output	-0.4	3.5	-0.8	1.2	-16.4	-3.7	2.7	2.6	1.5	0.9	-3.4	-5.2
Hours	-0.9	-4.0	1.3	1.2	-9.6	-6.0	0.5	0.3	0.1	-0.6	-2.9	-3.4
Compensation per hour	10.3	7.9	10.3	6.7	15.5	12.3	9.1	9.0	9.7	8.8	10.0	11.2
Real compensation per hour	-2.2	-4.8	-2.9	-8.8	1.6	4.8	-1.4	-2.4	-2.7	-4.7	-3.8	-1.4
Unit labor costs	9.7	0.2	12.6	6.7	24.9	9.6	6.7	6.5	8.2	7.2	10.7	13.3
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-2.7	-0.3	-0.4	-0.1	-1.9	4.7	-0.6	-1.1	-1.4	-0.9	-0.7	0.6
Output	-2.6	0.6	1.9	0.8	-11.5	0.6	2.9	1.9	0.6	0.2	-2.2	-2.2
Hours	0.1	0.9	2.3	0.9	-9.8	-3.9	3.6	3.1	2.0	1.0	-1.5	-2.8
Compensation per hour	8.3	8.5	8.4	11.0	11.1	9.6	8.7	8.9	9.0	9.0	9.7	10.0
Real compensation per hour	-4.1	-4.3	-4.5	-5.1	-2.3	2.3	-1.8	-2.6	-3.3	-4.5	-4.1	-2.4
Total unit costs	11.8	10.2	9.3	12.2	17.6	8.2	8.6	9.9	10.8	10.9	12.3	11.7
Unit labor costs	11.2	8.8	8.9	11.1	13.2	4.7	9.4	10.1	10.6	10.0	10.5	9.4
Unit nonlabor costs	13.5	14.6	10.6	15.4	31.1	18.6	6.2	9.4	11.3	13.5	17.7	18.7
Unit profits	-3.4	-5.3	-10.4	-10.9	-34.7	27.5	0.0	-3.9	-10.6	-7.6	-16.2	-9.7
Implicit price deflator	10.2	8.6	7.3	9.9	12.1	9.6	7.7	8.4	8.4	9.0	9.5	9.7

GPO 879-678

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
ALABAMA	\$251.33	\$265.72	\$270.14	41.0	40.2	40.5	\$6.13	\$6.61	\$6.67
Birmingham	296.20	294.76	296.69	40.3	40.6	40.2	7.35	7.26	7.43
Mobile	316.59	353.03	351.54	42.1	43.0	42.1	7.52	8.21	8.35
ALASKA	440.04	476.72	(*)	38.6	47.2	(*)	11.40	10.10	(*)
ARIZONA	284.41	290.21	309.20	41.1	39.7	40.9	6.92	7.31	7.56
Phoenix	284.39	291.73	305.29	41.7	39.8	41.2	6.82	7.33	7.41
Tucson	255.96	281.01	292.59	39.5	38.6	38.6	6.48	7.28	7.58
ARKANSAS	209.52	233.64	233.82	38.8	39.6	39.1	5.40	5.90	5.98
Fayetteville—Springdale	194.31	204.48	215.61	39.9	38.8	40.3	4.87	5.27	5.35
Fort Smith	219.52	227.86	230.35	39.2	37.6	37.7	5.60	6.06	6.11
Little Rock—North Little Rock	241.40	262.40	269.06	39.9	39.4	40.4	6.05	6.66	6.66
Pine Bluff	295.26	332.39	334.08	42.0	43.0	41.5	7.03	7.73	8.05
CALIFORNIA	292.25	311.65	320.00	40.2	39.4	40.0	7.27	7.91	8.00
Anahelm—Santa Ana—Garden Grove	270.91	298.40	308.66	40.8	40.0	41.1	6.64	7.46	7.51
Bakersfield	324.36	343.88	341.42	40.8	40.6	39.7	7.95	8.47	8.60
Fresno	258.69	294.18	282.59	38.9	39.7	38.5	6.65	7.41	7.34
Los Angeles—Long Beach	276.74	297.65	306.23	40.4	39.9	40.4	6.85	7.46	7.58
Modesto	286.13	283.28	314.72	40.3	36.6	40.4	7.10	7.74	7.79
Oxnard—Simi Valley—Ventura	253.63	268.19	275.92	38.9	38.7	39.7	6.52	6.93	6.95
Riverside—San Bernardino—Ontario	303.06	304.18	304.94	40.3	38.7	38.6	7.52	7.86	7.90
Sacramento	308.03	331.74	328.32	38.6	38.8	38.4	7.98	8.55	8.55
Salinas—Seaside—Monterey	256.67	282.75	289.17	36.1	37.5	38.3	7.11	7.54	7.55
San Diego	271.83	301.85	302.23	39.0	39.1	39.2	6.97	7.72	7.71
San Francisco—Oakland	348.13	375.75	383.94	40.2	39.1	39.5	8.66	9.61	9.72
San Jose	309.96	328.60	325.55	41.0	39.4	39.0	7.56	8.34	8.45
Santa Barbara—Santa Maria—Lompoc	254.22	272.38	274.32	38.0	38.8	38.8	6.69	7.02	7.07
Santa Rosa	255.53	274.36	274.50	37.8	38.0	37.5	6.76	7.22	7.32
Stockton	309.25	320.80	338.84	39.8	38.1	39.4	7.77	8.42	8.60
Vallejo—Fairfield—Napa	308.11	334.07	336.30	39.1	38.8	38.0	7.88	8.61	8.85
COLORADO	273.74	291.30	295.93	39.5	39.1	39.3	6.93	7.45	7.53
Denver—Boulder	271.26	292.55	296.40	39.2	38.8	39.0	6.92	7.54	7.60
CONNECTICUT	286.09	301.29	309.12	42.7	41.5	42.0	6.70	7.26	7.36
Bridgeport	301.09	315.23	323.57	43.7	42.2	42.8	6.89	7.47	7.56
Hartford	315.92	324.59	330.72	43.1	42.1	42.4	7.33	7.71	7.80
New Britain	303.46	310.06	323.79	43.6	41.9	43.0	6.96	7.40	7.53
New Haven—West Haven	281.63	282.80	282.91	41.6	40.4	40.3	6.77	7.00	7.02
Stamford	282.91	284.69	285.64	42.8	41.2	41.1	6.61	6.91	6.95
Waterbury	249.37	255.23	259.36	42.7	41.5	41.9	5.84	6.15	6.19
DELAWARE	278.16	316.88	341.91	39.4	41.1	43.5	7.06	7.71	7.86
Wilmington	316.38	368.68	396.05	39.4	41.8	44.5	8.03	8.82	8.90
DISTRICT OF COLUMBIA:									
Washington SMSA	311.95	339.89	330.12	40.2	38.8	39.3	7.76	8.76	8.40
FLORIDA	231.18	249.90	251.53	40.7	40.9	41.1	5.68	6.11	6.12
Fort Lauderdale—Hollywood	226.30	233.76	237.72	41.6	41.3	42.0	5.44	5.66	5.66
Jacksonville	274.80	283.51	289.58	41.2	40.1	40.5	6.67	7.07	7.15
Lakeland—Winter Haven	262.87	295.92	300.82	45.4	43.2	44.5	5.79	6.85	6.76
Miami	200.30	218.97	218.97	39.9	40.4	40.7	5.02	5.42	5.38
Orlando	247.97	269.64	263.45	42.1	42.0	41.1	5.89	6.42	6.41
Pensacola	299.34	308.90	319.49	42.4	41.8	43.0	7.06	7.39	7.43
Tampa—St. Petersburg	236.06	222.39	227.37	40.7	39.5	40.1	5.80	5.63	5.67
West Palm Beach—Boca Raton	259.99	245.78	259.86	41.4	41.8	42.6	6.28	5.88	6.10
GEORGIA	218.55	240.59	243.79	40.1	40.3	40.7	5.45	5.97	5.99
Atlanta	245.80	284.14	284.98	37.7	39.3	39.2	6.52	7.23	7.27
Savannah	297.62	333.68	331.62	41.8	43.0	42.9	7.12	7.76	7.73
HAWAII	256.58	275.22	275.59	38.7	41.2	38.3	6.63	6.68	7.30
Honolulu	258.34	272.92	276.57	38.5	39.1	38.2	6.71	6.98	7.24
IDAHO	258.44	295.66	286.89	36.4	38.1	37.6	7.10	7.76	7.63
Boise City	241.98	253.20	258.62	37.0	37.4	37.7	6.54	6.77	6.86

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980E
ILLINOIS	\$309.89	\$331.50	\$337.64	41.3	39.7	40.1	\$7.50	\$8.35	\$8.42
Bloomington—Normal	286.96	276.53	269.31	42.7	38.3	37.3	6.71	7.22	7.22
Champaign—Urbana—Rantoul	282.16	254.54	255.56	40.4	35.7	36.0	6.99	7.13	7.21
Chicago SMSA	291.79	310.47	312.84	40.7	39.5	39.6	7.17	7.86	7.90
Davenport—Rock Island—Moline	334.77	379.65	388.48	39.3	38.7	39.4	8.51	9.81	9.86
Decatur	310.87	361.76	367.29	39.1	38.0	38.5	7.95	9.52	9.54
Peoria	330.22	399.25	405.11	39.8	38.5	39.6	8.29	10.37	10.23
Rockford	316.03	316.37	319.06	42.9	40.2	40.8	7.37	7.87	7.82
Springfield	318.17	332.87	338.30	41.7	39.3	39.8	7.64	8.47	8.50
INDIANA	320.79	350.47	360.20	40.3	40.1	40.7	7.96	8.74	8.85
Gary—Hammond—East Chicago	422.27	460.52	(*)	39.8	39.7	(*)	10.61	11.60	(*)
Indianapolis	328.12	349.74	(*)	40.9	40.2	(*)	8.02	8.70	(*)
IOWA	332.92	349.66	355.79	41.0	39.2	39.8	8.12	8.92	9.04
Cedar Rapids	338.06	358.40	378.12	42.1	40.0	41.1	8.03	8.96	9.20
Des Moines	344.57	359.33	361.07	40.3	39.1	38.7	8.55	9.19	9.33
Dubuque	410.94	336.87	397.97	41.3	34.2	38.6	9.95	9.85	10.31
Sioux City	308.98	323.19	333.32	42.5	39.9	41.1	7.27	8.10	8.11
Waterloo—Cedar Falls	424.69	477.85	463.10	42.3	39.2	38.4	10.04	12.19	12.06
KANSAS	293.53	311.25	315.29	41.4	40.9	41.0	7.09	7.61	7.69
Topeka	303.81	327.92	325.51	40.4	39.7	39.7	7.52	8.26	8.30
Wichita	321.96	351.51	354.43	42.7	41.5	41.6	7.54	8.47	8.52
KENTUCKY	274.72	304.07	310.31	39.7	39.8	40.3	6.92	7.64	7.70
Lexington—Fayette	272.96	288.21	289.34	40.2	39.0	39.1	6.79	7.39	7.40
Louisville	317.90	360.80	365.20	40.6	41.0	41.5	7.83	8.80	8.80
LOUISIANA	300.00	335.65	337.35	41.9	41.8	41.7	7.16	8.03	8.09
Baton Rouge	389.27	417.54	434.18	43.3	41.3	45.8	8.99	10.11	9.48
New Orleans	306.72	340.80	353.58	42.6	42.6	42.6	7.20	9.00	8.30
Shreveport	264.47	291.28	296.38	40.5	40.4	40.6	6.53	7.21	7.30
MAINE	228.80	248.62	250.19	40.0	40.1	39.4	5.72	6.20	6.35
Lewiston—Auburn	185.22	197.08	201.60	37.8	37.9	38.4	4.90	5.20	5.25
Portland	216.22	234.00	237.31	39.1	39.0	38.4	5.53	6.00	6.18
MARYLAND	297.01	307.68	318.37	40.3	39.7	40.3	7.37	7.75	7.90
Baltimore	316.57	322.40	334.15	40.9	40.1	40.7	7.74	8.04	8.21
MASSACHUSETTS	(*)	262.64	266.45	(*)	39.2	39.3	(*)	6.70	6.78
Boston	(*)	285.19	292.40	(*)	39.5	40.0	(*)	7.22	7.31
Brockton	(*)	212.22	221.50	(*)	39.3	40.2	(*)	5.40	5.51
Fall River	(*)	192.05	190.81	(*)	36.1	35.8	(*)	5.32	5.33
Lawrence—Haverhill	(*)	280.14	280.89	(*)	40.6	40.3	(*)	6.90	6.97
Lowell	(*)	230.05	240.86	(*)	37.9	39.1	(*)	6.07	6.16
New Bedford	(*)	203.34	209.55	(*)	34.7	35.1	(*)	5.86	5.97
Springfield—Chicopee—Holyoke	(*)	262.80	268.11	(*)	40.0	40.5	(*)	6.57	6.62
Worcester	(*)	255.36	265.67	(*)	38.4	39.3	(*)	6.65	6.76
MICHIGAN	(*)	412.11	(*)	(*)	41.1	(*)	(*)	10.03	(*)
Ann Arbor	(*)	394.82	(*)	(*)	38.0	(*)	(*)	10.39	(*)
Battle Creek	(*)	386.64	(*)	(*)	40.3	(*)	(*)	9.59	(*)
Bay City	(*)	377.44	(*)	(*)	41.9	(*)	(*)	9.01	(*)
Detroit	(*)	452.62	(*)	(*)	42.4	(*)	(*)	10.68	(*)
Flint	(*)	459.35	(*)	(*)	40.9	(*)	(*)	11.23	(*)
Grand Rapids	(*)	334.87	(*)	(*)	40.2	(*)	(*)	8.33	(*)
Jackson	(*)	375.58	(*)	(*)	43.2	(*)	(*)	8.69	(*)
Kalamazoo—Portage	(*)	358.42	(*)	(*)	40.2	(*)	(*)	8.92	(*)
Lansing—East Lansing	(*)	406.07	(*)	(*)	39.0	(*)	(*)	10.41	(*)
Muskegon—Norton Shores—Muskegon Heights	(*)	350.05	(*)	(*)	40.3	(*)	(*)	8.69	(*)
Saginaw	(*)	453.38	(*)	(*)	40.6	(*)	(*)	11.17	(*)
MINNESOTA	288.86	310.87	310.86	40.4	39.4	39.2	7.15	7.89	7.93
Duluth—Superior	270.09	286.90	285.01	39.2	37.7	37.6	6.89	7.61	7.58
Minneapolis—St. Paul	309.20	332.64	331.69	40.9	39.6	39.3	7.56	8.40	8.44
St. Cloud	213.75	220.75	219.40	37.5	33.6	32.6	5.70	6.57	6.73

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
MISSISSIPPI	\$203.31	\$220.34	\$223.91	40.1	39.7	39.7	5.07	5.55	\$5.64
Jackson.....	232.23	250.10	253.13	42.3	40.6	40.5	5.49	6.16	6.25
MISSOURI	275.02	288.99	297.83	39.8	39.0	39.5	6.91	7.41	7.54
Kansas City.....	319.56	336.20	347.20	40.4	39.6	40.0	7.91	8.49	8.68
St. Joseph.....	267.74	284.09	291.70	39.2	39.9	41.2	6.83	7.12	7.08
St. Louis.....	313.47	327.60	331.63	40.5	39.0	39.2	7.74	8.40	8.46
Springfield.....	239.01	278.70	268.19	38.8	40.1	38.7	6.16	6.95	6.93
MONTANA	378.88	393.72	392.47	43.4	45.1	44.7	8.73	8.73	8.78
NEBRASKA	284.13	312.42	317.29	41.6	41.0	41.1	6.83	7.62	7.72
Lincoln.....	261.86	289.34	298.90	39.2	39.1	39.8	6.68	7.40	7.51
Omaha.....	289.26	312.04	314.01	40.4	39.7	39.9	7.16	7.86	7.87
NEVADA	282.03	291.47	317.42	39.5	38.2	38.9	7.14	7.63	8.16
Las Vegas.....	350.22	284.09	(*)	39.0	35.6	(*)	8.98	7.98	(*)
NEW HAMPSHIRE	223.20	240.00	243.82	40.0	40.0	40.3	5.58	6.00	6.05
Manchester.....	192.79	218.20	222.05	38.1	39.6	39.3	5.06	5.51	5.65
Nashua.....	246.93	258.80	262.35	41.5	40.0	40.3	5.95	6.47	6.51
NEW JERSEY ¹	290.79	307.84	314.91	41.9	41.1	41.2	6.94	7.49	7.57
Atlantic City ¹	233.14	219.04	226.89	38.6	35.5	35.9	6.04	6.17	6.32
Camden ^{1,2}	283.92	310.06	315.09	42.0	41.9	41.9	6.76	7.40	7.52
Hackensack ^{1,3}	253.15	269.18	277.12	40.7	40.6	41.3	6.22	6.63	6.71
Jersey City ^{1,3}	278.92	298.60	310.17	41.2	41.3	42.2	6.77	7.23	7.35
New Brunswick—Perth Amboy—Sayreville ^{1,3}	324.95	365.51	377.08	42.7	42.6	44.0	7.61	8.58	8.57
Newark ^{1,2}	304.74	321.26	325.68	42.8	41.4	41.7	7.12	7.76	7.81
Paterson—Clifton—Passaic ^{1,3}	271.93	286.62	292.28	41.9	41.3	41.4	6.49	6.94	7.06
Trenton ¹	293.20	310.61	319.76	40.0	38.3	38.9	7.33	8.11	8.22
NEW MEXICO	220.65	237.40	240.94	39.9	39.9	40.7	5.53	5.95	5.92
Albuquerque.....	218.35	253.38	256.04	39.7	41.2	41.7	5.50	6.15	6.14
NEW YORK	269.72	290.38	296.96	39.9	39.4	39.7	6.76	7.37	7.48
Albany—Schenectady—Troy.....	288.97	314.28	319.09	40.7	40.5	40.7	7.10	7.76	7.84
Binghamton.....	257.30	272.69	278.94	41.3	40.7	40.9	6.23	6.70	6.82
Buffalo.....	356.29	381.35	396.32	41.0	40.1	40.9	8.69	9.51	9.69
Elmira.....	275.11	293.94	294.74	41.0	40.6	40.1	6.71	7.24	7.35
Monroe County ⁴	364.91	403.33	409.70	41.8	42.5	42.5	8.73	9.49	9.64
Nassau—Suffolk ⁵	255.20	279.00	286.22	40.0	39.8	40.2	6.38	7.01	7.12
New York—Northwestern New Jersey.....	258.49	277.29	(*)	40.2	39.5	(*)	6.43	7.02	(*)
New York and Nassau—Suffolk ³	234.08	251.75	257.56	38.5	37.8	38.1	6.08	6.66	6.76
New York SMSA ⁵	228.60	244.69	250.42	38.1	37.3	37.6	6.00	6.56	6.66
New York City ⁶	224.32	239.85	245.23	37.7	36.9	37.1	5.95	6.50	6.61
Poughkeepsie.....	273.68	295.48	314.79	42.3	41.5	43.6	6.47	7.12	7.22
Rochester.....	339.46	374.27	381.49	41.6	42.1	42.2	8.16	8.89	9.04
Rockland County ⁴	259.26	275.31	285.82	40.7	39.9	40.6	6.37	6.90	7.04
Syracuse.....	302.22	317.75	327.92	41.4	41.0	41.3	7.30	7.75	7.94
Utica—Rome.....	264.79	267.92	274.51	40.8	39.4	39.9	6.49	6.80	6.86
Westchester County ⁶	267.34	287.99	286.71	42.1	41.2	40.9	6.35	6.99	7.01
NORTH CAROLINA	204.32	217.56	221.36	40.3	39.2	39.6	5.07	5.55	5.59
Asheville.....	204.59	218.25	229.48	41.0	39.9	41.2	4.99	5.47	5.57
Charlotte—Gastonia.....	209.48	223.71	227.55	41.4	40.6	41.0	5.06	5.51	5.55
Greensboro—Winston-Salem—High Point.....	223.91	241.08	245.35	40.2	39.2	39.7	5.57	6.15	6.18
Raleigh—Durham.....	233.86	250.83	257.75	40.6	39.5	39.9	5.76	6.35	6.46
NORTH DAKOTA	238.34	258.41	256.97	39.2	38.8	38.7	6.08	6.66	6.64
Fargo—Moorhead.....	264.22	292.40	289.02	40.4	40.0	39.7	6.54	7.31	7.28
OHIO	329.19	363.12	373.43	41.2	40.8	41.4	7.99	8.90	9.02
Akron.....	337.74	384.98	383.60	41.8	41.8	42.2	8.08	9.21	9.09
Canton.....	338.25	341.11	352.02	41.2	38.5	39.2	8.21	8.86	8.98
Cincinnati.....	313.08	340.31	351.11	41.8	41.1	41.7	7.49	8.28	8.42
Cleveland.....	333.31	361.97	376.13	41.2	40.9	41.7	8.09	8.85	9.02
Columbus.....	286.77	317.98	327.18	39.5	39.5	39.9	7.26	8.05	8.20
Dayton.....	343.60	381.71	388.81	41.8	41.9	42.4	8.22	9.11	9.17
Toledo.....	341.09	390.51	394.99	40.8	41.9	42.2	8.36	9.32	9.36
Youngstown—Warren.....	378.40	429.04	457.33	40.0	39.8	41.5	9.46	10.78	11.02

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
OKLAHOMA	\$279.45	\$299.60	\$311.76	40.5	40.0	40.7	\$6.90	\$7.49	\$7.66
Oklahoma City	298.32	309.60	311.95	42.8	40.0	40.2	6.97	7.74	7.76
Tulsa	293.13	323.19	334.15	40.1	40.5	40.8	7.31	7.98	8.19
OREGON	308.18	331.88	341.00	38.0	37.5	38.1	8.11	8.85	8.95
Eugene—Springfield	338.52	356.41	374.86	39.0	38.2	39.5	8.68	9.33	9.49
Jackson County	292.66	331.22	353.53	36.4	37.3	39.5	8.04	8.88	8.95
Portland	308.77	331.60	331.38	38.5	37.3	37.7	8.02	8.89	8.79
PENNSYLVANIA	294.19	301.86	312.84	40.3	38.8	39.5	7.30	7.78	7.92
Allentown—Bethlehem—Easton	295.99	310.66	314.20	39.1	38.4	38.6	7.57	8.09	8.14
Altoona	247.04	254.31	255.84	39.4	38.3	38.3	6.27	6.64	6.68
Delaware Valley	296.46	314.42	324.41	40.5	39.7	40.4	7.32	7.92	8.03
Erie	303.12	323.99	325.60	42.1	40.6	40.7	7.20	7.98	8.00
Harrisburg	283.66	293.54	286.72	41.9	40.6	40.1	6.77	7.23	7.15
Johnstown	312.00	312.32	321.64	39.0	36.7	37.4	8.00	8.51	8.60
Lancaster	263.96	266.00	274.19	41.7	40.0	40.5	6.33	6.65	6.77
Northeast Pennsylvania	205.91	217.67	220.58	37.1	36.4	36.4	5.55	5.98	6.06
Philadelphia SMSA	294.67	313.60	322.77	40.7	40.0	40.6	7.24	7.84	7.95
Pittsburgh	365.03	366.66	383.67	41.2	38.8	39.8	8.86	9.45	9.64
Reading	270.86	283.61	293.38	39.6	39.5	40.3	6.84	7.18	7.28
Scranton	203.46	218.74	222.83	37.4	37.2	37.2	5.44	5.88	5.99
Wilkes-Barre—Hazleton	205.89	217.20	220.32	36.7	35.9	36.0	5.61	6.05	6.12
Williamsport	267.47	294.92	300.11	40.1	39.8	40.5	6.67	7.41	7.41
York	257.84	278.64	280.67	42.2	40.5	40.5	6.11	6.88	6.93
RHODE ISLAND	208.29	221.52	226.58	39.3	39.0	39.2	5.30	5.68	5.78
Providence—Warwick—Pawtucket	207.24	220.13	225.19	39.4	39.1	39.3	5.26	5.63	5.73
SOUTH CAROLINA	220.06	232.88	236.98	41.6	40.5	41.0	5.29	5.75	5.78
Charleston—North Charleston	246.02	269.69	271.98	40.8	40.8	40.9	6.03	6.61	6.65
Columbia	216.89	223.57	229.37	41.0	39.5	40.1	5.29	5.66	5.72
Greenville—Spartanburg	218.59	230.80	232.76	41.4	40.0	40.2	5.28	5.77	5.75
SOUTH DAKOTA	251.55	275.52	305.98	43.0	41.0	43.9	5.85	6.72	6.97
Rapid City	204.06	214.77	216.81	35.8	32.2	32.9	5.70	6.67	6.59
Sioux Falls	341.86	383.24	442.14	51.1	45.3	50.3	6.69	8.46	8.79
TENNESSEE	228.80	248.18	255.56	40.0	39.9	40.5	5.72	6.22	6.31
Chattanooga	239.93	256.31	265.79	41.8	40.3	41.4	5.74	6.36	6.42
Knoxville	269.47	287.60	297.52	40.4	40.0	40.7	6.67	7.19	7.31
Memphis	254.96	285.42	286.34	39.9	40.2	40.5	6.39	7.10	7.07
Nashville—Davidson	247.65	268.66	275.67	40.4	40.4	40.9	6.13	6.65	6.74
TEXAS	280.31	301.67	309.09	41.9	41.1	41.6	6.69	7.34	7.43
Amarillo	264.77	312.73	315.36	40.3	43.8	43.8	6.57	7.14	7.20
Austin	209.41	235.65	235.13	40.9	40.7	40.4	5.12	5.79	5.82
Beaumont—Port Arthur—Orange	393.81	422.00	427.82	42.3	42.2	42.4	9.31	10.00	10.09
Corpus Christi	278.24	307.69	315.21	39.3	39.6	39.5	7.08	7.77	7.96
Dallas—Fort Worth	260.83	280.78	293.34	41.6	40.4	41.2	6.27	6.95	7.12
El Paso	215.43	215.89	214.32	43.0	41.2	40.9	5.01	5.24	5.24
Galveston—Texas City	414.54	442.32	447.12	42.3	41.3	41.4	9.80	10.71	10.80
Houston	353.16	370.66	378.45	44.2	43.1	43.6	7.99	8.60	8.68
Lubbock	218.03	240.90	246.19	42.5	40.9	41.1	5.13	5.89	5.99
San Antonio	199.17	224.39	223.02	40.4	41.4	41.3	4.93	5.42	5.40
Waco	241.76	248.52	259.20	41.9	39.7	40.5	5.77	6.27	6.40
Wichita Falls	251.51	272.40	276.74	40.5	40.0	40.4	6.21	6.81	6.85
UTAH	259.35	281.35	285.81	39.9	38.7	39.7	6.50	7.27	7.30
Salt Lake City—Ogden	243.41	274.56	277.70	40.1	39.0	39.9	6.07	7.04	6.96
VERMONT	231.09	259.12	256.64	40.4	41.0	40.1	5.72	6.32	6.40
Burlington	249.64	286.27	286.37	41.4	42.6	42.3	6.03	6.72	6.77
Springfield	263.27	283.46	290.37	41.2	41.2	41.6	6.39	6.88	6.98
VIRGINIA	231.38	252.65	257.11	40.1	39.6	39.8	5.77	6.38	6.46
Bristol	216.33	207.75	211.84	38.7	37.5	38.1	5.59	5.54	5.56
Lynchburg	237.01	243.66	256.31	39.7	38.8	40.3	5.97	6.28	6.36
Norfolk—Virginia Beach—Portsmouth	264.04	294.70	284.00	41.0	42.1	41.1	6.44	7.00	6.91
Northern Virginia	259.50	285.68	288.40	39.8	39.9	40.0	6.52	7.16	7.21
Petersburg—Colonial Heights—Hopewell	286.94	307.20	322.32	40.3	40.0	40.8	7.12	7.68	7.90

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. 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. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980E
VIRGINIA—Continued									
Richmond	\$297.34	\$336.61	\$340.72	40.4	41.0	41.5	\$7.36	\$8.21	\$8.21
Roanoke	220.71	240.39	247.05	41.1	39.8	40.5	5.37	6.04	6.10
WASHINGTON	336.27	383.96	386.10	38.3	39.3	39.0	8.78	9.77	9.90
Seattle—Everett	350.06	389.86	(*)	39.2	39.3	(*)	8.93	9.92	(*)
Spokane	301.86	342.27	(*)	38.8	38.5	(*)	7.78	8.89	(*)
Tacoma	327.75	371.20	(*)	37.5	37.8	(*)	8.74	9.82	(*)
WEST VIRGINIA	298.26	324.92	342.42	39.4	39.1	39.9	7.57	8.31	8.58
Charleston	341.13	379.04	389.38	41.5	41.2	41.6	8.22	9.20	9.36
Huntington—Ashland	341.20	378.25	393.01	39.4	39.9	40.6	8.66	9.68	9.68
Parkersburg—Marietta	324.43	336.56	356.90	41.7	40.5	41.5	7.78	8.31	8.60
Wheeling	308.51	372.64	378.46	39.3	39.6	39.3	7.85	9.41	9.63
WISCONSIN	304.20	332.88	340.20	40.3	40.1	40.6	7.55	8.31	8.39
Appleton—Oshkosh	298.70	321.99	333.68	40.9	41.1	41.8	7.30	7.84	7.96
Eau Claire	302.19	339.00	342.74	40.3	42.2	42.2	7.50	8.03	8.12
Green Bay	311.70	347.99	349.23	41.6	41.9	41.7	7.50	8.30	8.37
Janesville—Beloit	325.88	358.46	361.41	39.4	39.8	40.2	8.28	9.01	8.95
Kenosha	354.41	388.63	356.05	39.8	39.7	40.1	8.90	9.78	9.87
La Crosse	256.61	283.75	294.63	40.1	40.3	40.1	6.40	7.05	7.35
Madison	317.55	325.44	326.05	40.0	38.7	38.6	7.95	8.41	8.45
Milwaukee	331.92	365.89	375.57	40.5	39.7	40.6	8.21	9.21	9.25
Racine	331.80	353.81	356.84	41.7	39.9	40.2	7.96	8.87	8.88
WYOMING	263.89	297.82	313.12	38.3	40.3	41.2	6.89	7.39	7.60
Casper	326.63	314.12	(*)	38.7	37.8	(*)	8.44	8.31	(*)
VIRGIN ISLANDS	289.67	303.64	313.47	41.5	41.2	41.3	6.98	7.37	7.59

¹ Revised to 1979 benchmark; not strictly comparable with previously published data.

² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

³ Subarea of New York-Northeastern New Jersey.

⁴ Subarea of Rochester Standard Metropolitan Statistical Area.

⁵ Area included in New York and Nassau-Suffolk combined SMSA's.

⁶ Subarea of New York Standard Metropolitan Statistical Area.

⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area:

Lackawanna County.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁰ 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.

¹¹ Revised to 1980 benchmark; not strictly comparable with previously published data.

p = preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing, 1970 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1970.....	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971.....	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972.....	4.5	4.1	3.7	4.0	4.1	4.9	5.4	4.7	6.1	5.4	4.8	3.7	2.7
1973.....	4.8	4.7	4.1	4.5	4.6	5.4	5.9	5.2	6.3	5.8	5.2	3.8	2.6
1974.....	4.2	4.2	3.7	4.1	4.5	5.1	5.4	4.9	5.5	4.9	3.8	2.4	1.8
1975.....	3.7	2.9	2.7	3.2	3.7	4.0	4.5	4.6	5.2	4.6	3.7	2.8	2.2
1976.....	3.9	3.9	3.5	4.2	3.9	4.5	4.8	4.2	5.1	4.4	3.5	2.9	2.2
1977.....	4.0	3.7	3.7	4.0	3.8	4.6	4.9	4.3	5.3	4.6	3.9	3.1	2.4
1978.....	4.1	3.8	3.2	3.8	4.0	4.7	4.9	4.4	5.4	4.9	4.3	3.3	2.4
1979.....	4.0	4.0	3.4	3.8	3.9	4.7	4.8	4.3	5.0	4.5	4.1	3.0	2.2
1980.....		3.8	3.3	3.5	3.1	3.4	3.9	3.8	4.5	4.3	3.6	P2.7	
New hires													
1970.....	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971.....	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972.....	3.3	2.6	2.5	2.8	2.9	3.7	4.2	3.5	4.5	4.3	3.9	2.9	2.1
1973.....	3.9	3.5	3.2	3.5	3.7	4.5	5.0	4.1	5.1	4.8	4.4	3.1	2.0
1974.....	3.2	3.2	2.8	3.1	3.3	4.0	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975.....	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.1	2.5	1.8	1.3
1976.....	2.6	2.1	2.1	2.7	2.6	3.1	3.6	2.9	3.6	3.2	2.5	1.9	1.3
1977.....	2.8	2.2	2.1	2.6	2.7	3.5	3.7	3.0	4.0	3.5	3.0	2.2	1.6
1978.....	3.1	2.5	2.2	2.7	2.9	3.6	3.9	3.3	4.2	3.9	3.5	2.6	1.7
1979.....	2.9	2.8	2.5	2.8	2.9	3.6	3.8	3.1	3.7	3.4	3.1	2.2	1.5
1980.....		2.4	2.2	2.3	2.1	2.1	2.4	2.1	2.5	2.6	2.2	P1.6	
Recalls													
1976.....	1.0	1.4	1.0	1.2	1.0	1.0	0.9	1.1	1.1	0.8	0.7	0.7	0.7
1977.....	.9	1.2	1.3	1.1	.9	.8	.8	.9	1.0	.8	.6	.6	.6
1978.....	.7	1.0	.7	.8	.8	.8	.7	.8	.9	.7	.6	.5	.5
1979.....	.7	.9	.7	.7	.7	.8	.7	.9	.8	.7	.5	.5	.5
1980.....		1.1	.9	.9	.8	1.0	1.2	1.4	1.7	1.4	1.1	P.9	
Total separations													
1970.....	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971.....	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972.....	4.3	4.1	3.5	3.9	3.8	3.9	4.2	4.8	5.5	5.5	4.4	3.8	3.7
1973.....	4.7	4.3	3.8	4.3	4.2	4.4	4.5	5.2	6.5	5.8	5.0	4.2	4.0
1974.....	4.9	5.0	4.1	4.4	4.3	4.4	4.2	4.9	6.2	5.5	5.1	5.0	5.2
1975.....	4.2	6.1	4.5	4.2	4.0	3.9	3.7	4.4	4.7	4.4	4.1	3.5	3.4
1976.....	3.8	3.7	3.0	3.5	3.6	3.4	3.6	4.3	4.9	4.7	4.1	3.4	3.5
1977.....	3.8	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.9	3.8	3.4	3.4
1978.....	3.9	3.6	3.1	3.5	3.6	3.7	3.8	4.1	5.3	4.9	4.1	3.5	3.4
1979.....	4.0	3.8	3.2	3.6	3.7	3.8	3.9	4.3	5.7	4.7	4.2	3.8	3.5
1980.....		4.1	3.5	3.7	4.7	4.8	4.4	4.2	4.8	4.1	3.7	P3.0	
Quits													
1970.....	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971.....	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972.....	2.3	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	2.0	1.6
1973.....	2.8	2.3	2.1	2.5	2.5	2.8	2.8	2.8	4.6	4.0	3.1	2.3	1.6
1974.....	2.4	2.2	2.0	2.3	2.4	2.7	2.5	2.6	4.0	3.3	2.2	1.4	1.0
1975.....	1.4	1.1	.9	1.0	1.1	1.3	1.4	1.5	2.5	2.1	1.6	1.2	.9
1976.....	1.7	1.3	1.2	1.6	1.7	1.7	1.8	1.9	2.8	2.5	1.7	1.2	1.0
1977.....	1.8	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	1.5	1.2
1978.....	2.1	1.5	1.4	1.8	2.0	2.1	2.2	2.1	3.5	3.1	2.3	1.7	1.3
1979.....	2.0	1.8	1.6	1.9	2.0	2.1	2.1	2.0	3.3	2.7	2.1	1.6	1.1
1980.....		1.6	1.5	1.6	1.5	1.5	1.4	1.4	2.2	1.9	1.4	P1.1	
Layoffs													
1970.....	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971.....	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972.....	1.1	1.5	1.1	1.1	1.0	.9	1.1	1.7	.9	.9	1.0	1.0	1.3
1973.....	.9	1.1	.8	.8	.7	.7	.7	1.4	.8	.8	.8	1.1	1.6
1974.....	1.5	1.8	1.3	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975.....	2.1	4.0	2.9	2.5	2.1	1.8	1.6	2.0	1.3	1.5	1.6	1.7	1.9
1976.....	1.3	1.6	1.0	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977.....	1.1	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	1.1	1.5
1978.....	.9	1.2	.9	.9	.8	.7	.7	1.1	.8	.8	.9	1.0	1.4
1979.....	1.1	1.1	.8	.8	.9	.7	.9	1.4	1.3	1.1	1.2	1.5	1.7
1980.....		1.6	1.2	1.3	2.3	2.5	2.2	2.0	1.7	1.4	1.5	P1.4	

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ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P
	MANUFACTURING	3.6	2.7	2.2	1.6	1.1	0.9	3.7	3.0	1.4	1.1	1.5	1.4
24, 25, 32-39	DURABLE GOODS	3.4	2.6	1.8	1.4	1.2	.9	3.2	2.6	1.1	.8	1.3	1.1
20-23, 26-31	NONDURABLE GOODS	3.8	2.9	2.6	1.9	.9	.8	4.5	3.7	1.9	1.4	1.9	1.7
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	4.3	3.3	3.1	2.3	1.1	.9	4.8	4.4	2.2	1.7	1.6	2.0
242	Sawmills and planing mills	3.5	-	2.5	-	.8	-	4.1	-	1.9	-	1.3	-
2421	Sawmills and planing mills, general	2.9	-	2.0	-	.7	-	3.9	-	1.7	-	1.4	-
243	Millwork, plywood, and structural members	4.2	-	2.8	-	1.3	-	4.7	-	2.0	-	1.7	-
2431	Millwork	3.8	-	2.8	-	.9	-	5.4	-	1.8	-	2.8	-
244	Wooden containers	6.3	-	4.2	-	2.0	-	5.7	-	3.1	-	1.9	-
245	Wood buildings and mobile homes	8.0	-	6.1	-	1.8	-	6.4	-	4.1	-	.8	-
2451	Mobile homes	9.2	-	7.0	-	2.1	-	7.2	-	4.7	-	.7	-
249	Miscellaneous wood products	5.1	-	4.1	-	.8	-	5.1	-	2.4	-	1.6	-
25	FURNITURE AND FIXTURES	4.2	2.8	3.2	2.1	.9	.7	4.2	2.9	2.1	1.4	1.2	.9
251	Household furniture	4.7	-	7.2	-	1.8	-	8.2	-	4.8	-	1.4	-
2511	Wood household furniture	4.0	-	-	-	-	-	-	-	-	-	-	-
2512	Upholstered household furniture	4.1	-	3.1	-	.8	-	3.5	-	2.2	-	.6	-
2515	Mattresses and bedsprings	4.0	-	3.8	-	.2	-	5.0	-	2.0	-	1.9	-
252	Office furniture	2.9	-	1.8	-	1.0	-	2.2	-	1.1	-	.3	-
254	Partitions and fixtures	3.7	-	3.1	-	.5	-	6.8	-	2.1	-	3.6	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.3	2.4	1.9	1.5	1.2	.8	3.7	3.9	1.2	.9	1.6	2.3
322	Glass and glassware, pressed or blown	2.3	-	.8	-	1.0	-	2.8	-	.6	-	1.3	-
3221	Glass containers	1.6	-	.8	-	.6	-	3.2	-	.7	-	1.8	-
3229	Pressed and blown glass, nec	3.1	-	.9	-	1.6	-	2.2	-	.5	-	.7	-
323	Products of purchased glass	3.8	-	2.8	-	.8	-	4.5	-	1.8	-	1.9	-
324	Cement, hydraulic	1.6	-	.6	-	.9	-	2.5	-	.3	-	1.6	-
325	Structural clay products	4.3	-	2.7	-	1.6	-	3.6	-	1.9	-	.9	-
326	Pottery and related products	3.2	-	2.0	-	1.0	-	3.7	-	1.3	-	1.3	-
327	Concrete, gypsum, and plaster products	4.0	-	3.0	-	.9	-	4.7	-	1.6	-	2.0	-
329	Misc. nonmetallic mineral products	3.1	-	1.2	-	1.8	-	3.2	-	.9	-	1.6	-
33	PRIMARY METAL INDUSTRIES	3.6	3.3	.8	.7	2.3	2.3	3.0	2.1	.5	.4	1.8	1.1
331	Blast furnace and basic steel products	4.0	-	.3	-	3.2	-	2.9	-	.2	-	2.0	-
3312	Blast furnaces and steel mills	4.1	-	.1	-	3.5	-	2.9	-	.2	-	2.0	-
332	Iron and steel foundries	4.2	-	1.1	-	2.6	-	3.6	-	.9	-	1.9	-
3321	Gray iron foundries	4.5	-	1.1	-	2.6	-	3.2	-	.9	-	1.4	-
3325	Steel foundries, nec	3.9	-	1.3	-	2.5	-	4.7	-	.7	-	3.1	-
333	Primary nonferrous metals	.9	-	.5	-	.3	-	1.7	-	.3	-	1.1	-
335	Nonferrous rolling and drawing	2.6	-	.9	-	.8	-	2.3	-	.5	-	1.1	-
3351	Copper rolling and drawing	2.9	-	1.0	-	1.9	-	2.9	-	.5	-	1.4	-
3353	Aluminum sheet, plate, and foil	1.8	-	.6	-	1.2	-	2.3	-	.2	-	1.7	-
3357	Nonferrous wire drawing and insulating	3.3	-	.9	-	.5	-	1.9	-	.5	-	.9	-
336	Nonferrous foundries	4.5	-	1.7	-	2.6	-	4.6	-	1.3	-	2.5	-
3361	Aluminum foundries	5.0	-	1.6	-	3.1	-	5.0	-	1.2	-	3.1	-
34	FABRICATED METAL PRODUCTS	3.6	2.6	2.1	1.5	1.2	.9	3.7	3.1	1.3	.9	1.7	1.6
341	Metal cans and shipping containers	2.7	-	.8	-	1.5	-	8.9	-	.7	-	7.3	-
3411	Metal cans	2.6	-	.5	-	1.6	-	9.7	-	.4	-	8.4	-
342	Cutlery, hand tools, and hardware	3.7	-	1.7	-	1.3	-	3.3	-	1.0	-	1.6	-
3423, 5	Hand and edge tools, and hand saws and blades	2.9	-	1.8	-	1.0	-	2.6	-	1.1	-	.8	-
3429	Hardware, nec	4.4	-	1.7	-	1.5	-	3.8	-	1.0	-	2.2	-
343	Plumbing and heating, except electric	2.9	-	1.5	-	1.4	-	3.9	-	1.2	-	2.0	-
344	Fabricated structural metal products	3.5	-	2.6	-	.7	-	3.8	-	1.5	-	1.4	-
3441	Fabricated structural metal	3.9	-	2.8	-	.8	-	3.9	-	1.6	-	1.4	-
3442	Metal doors, sash, and trim	4.6	-	3.9	-	.6	-	4.9	-	2.2	-	1.7	-
3443	Fabricated plate work (boiler shops)	2.1	-	1.5	-	.5	-	2.5	-	1.0	-	.8	-
3444	Sheet metal work	3.9	-	2.9	-	1.0	-	4.9	-	1.7	-	2.3	-
345	Screw machine products, bolts, etc.	3.5	-	2.0	-	1.5	-	3.0	-	1.4	-	.8	-
3451	Screw machine products	3.8	-	2.3	-	1.5	-	3.1	-	1.7	-	.7	-
3452	Bolts, nuts, rivets, and washers	3.1	-	1.6	-	1.4	-	3.0	-	1.2	-	1.0	-
346	Metal forgings and stampings	4.1	-	1.3	-	2.2	-	2.9	-	.9	-	1.3	-
3462	Iron and steel forgings	3.0	-	1.3	-	1.4	-	2.8	-	1.0	-	1.1	-
3465	Automotive stampings	5.6	-	.6	-	3.6	-	2.8	-	.6	-	1.6	-
3469	Metal stampings, nec	3.6	-	2.0	-	1.5	-	3.1	-	1.1	-	1.1	-
347	Metal services, nec	4.7	-	3.7	-	.9	-	4.9	-	2.0	-	2.0	-
348	Ordnance and accessories, nec	2.5	-	1.2	-	.9	-	1.8	-	.6	-	.6	-
349	Misc. fabricated metal products	3.5	-	2.1	-	1.2	-	3.4	-	1.2	-	1.5	-
3494	Valves and pipe fittings	2.9	-	1.8	-	.8	-	2.3	-	.8	-	.9	-
3496	Misc. fabricated wire products	5.2	-	3.2	-	1.9	-	5.1	-	2.0	-	2.2	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P
35	MACHINERY, EXCEPT ELECTRICAL	2.5	2.0	1.5	1.1	0.7	0.6	2.6	1.8	0.9	0.6	1.0	0.6
351	Engines and turbines	2.2	-	.7	-	.8	-	2.0	-	.3	-	.8	-
3511	Turbines and turbine generator sets	1.7	-	.5	-	.1	-	2.1	-	.3	-	.2	-
3519	Internal combustion engines, nec	2.5	-	.8	-	1.2	-	2.0	-	.3	-	1.0	-
352	Farm and garden machinery	3.1	-	.8	-	2.0	-	3.6	-	.8	-	2.0	-
3523	Farm machinery and equipment	2.7	-	.8	-	1.7	-	3.8	-	.8	-	2.2	-
353	Construction and related machinery	2.1	-	1.4	-	.5	-	2.6	-	.8	-	1.2	-
3531	Construction machinery	1.4	-	.4	-	.6	-	2.5	-	.4	-	1.8	-
3533	Oil field machinery	3.2	-	3.1	-	.1	-	2.1	-	1.4	-	.1	-
354	Metalworking machinery	2.5	-	1.6	-	.6	-	2.6	-	1.0	-	1.0	-
3541	Machine tools, metal cutting types	1.2	-	1.0	-	.1	-	1.3	-	.7	-	.2	-
3544	Special dies, tools, jigs, and fixtures	3.8	-	2.5	-	.9	-	3.3	-	1.3	-	1.2	-
3545	Machine tool accessories	2.0	-	1.3	-	.5	-	2.5	-	.8	-	1.0	-
355	Special industry machinery	1.9	-	1.2	-	.6	-	2.2	-	.9	-	.8	-
3551	Food products machinery	2.3	-	1.1	-	1.1	-	2.8	-	.9	-	1.4	-
3552	Textile machinery	2.6	-	1.6	-	.9	-	2.6	-	1.2	-	.8	-
356	General industrial machinery	1.9	-	1.1	-	.6	-	2.3	-	.8	-	1.0	-
3561	Pumps and pumping equipment	1.7	-	1.2	-	.4	-	2.0	-	.8	-	.7	-
3562	Ball and roller bearings	2.1	-	.7	-	.8	-	2.3	-	.5	-	1.3	-
3564	Blowers and fans	2.3	-	1.4	-	.8	-	3.6	-	1.3	-	1.8	-
357	Office and computing machines	2.2	-	1.8	-	.1	-	1.8	-	1.0	-	.2	-
3573	Electronic computing equipment	2.2	-	2.0	-	.1	-	1.8	-	1.0	-	.2	-
358	Refrigeration and service machinery	3.7	-	1.6	-	1.6	-	2.7	-	.8	-	1.0	-
3585	Refrigeration and heating equipment	4.0	-	1.3	-	2.0	-	3.0	-	.8	-	1.1	-
359	Misc. machinery, except electrical	3.6	-	2.3	-	1.1	-	3.7	-	1.5	-	1.3	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.9	2.4	1.7	1.4	.7	.6	2.7	2.3	1.1	.8	.8	.8
361	Electric distributing equipment	3.1	-	2.0	-	.6	-	2.7	-	1.2	-	.4	-
3612	Transformers	2.4	-	1.6	-	.2	-	2.5	-	1.1	-	.4	-
3613	Switchgear and switchboard apparatus	3.6	-	2.2	-	1.0	-	2.8	-	1.4	-	.5	-
362	Electrical industrial apparatus	2.8	-	1.0	-	1.4	-	2.5	-	.8	-	.9	-
3621	Motors and generators	3.6	-	1.0	-	2.2	-	2.6	-	.8	-	.7	-
3622	Industrial controls	2.3	-	.9	-	.6	-	2.8	-	.7	-	1.3	-
363	Household appliances	5.0	-	1.6	-	2.6	-	3.8	-	1.0	-	1.5	-
3632	Household refrigerators and freezers	7.0	-	.1	-	4.9	-	4.0	-	.4	-	2.3	-
3633	Household laundry equipment	5.2	-	2.2	-	2.5	-	2.5	-	.5	-	.5	-
3634	Electric housewares and fans	3.7	-	1.7	-	.6	-	4.6	-	1.8	-	1.7	-
364	Electric lighting and wiring equipment	2.9	-	2.7	-	.8	-	2.6	-	1.1	-	.8	-
3641	Electric lamps	1.4	-	.6	-	.3	-	2.3	-	.5	-	1.0	-
3643	Current-carrying wiring devices	2.7	-	1.7	-	.8	-	2.4	-	1.0	-	.7	-
365	Radio and TV receiving equipment	4.2	-	1.7	-	.5	-	3.7	-	1.1	-	1.2	-
3651	Radio and TV receiving sets	4.4	-	1.4	-	.6	-	3.3	-	.8	-	.9	-
366	Communication equipment	1.8	-	1.3	-	.2	-	1.8	-	.9	-	.4	-
3661	Telephone and telegraph apparatus	.8	-	.5	-	.2	-	1.5	-	.4	-	.7	-
3662	Radio and TV communication equipment	2.2	-	1.7	-	.2	-	1.9	-	1.1	-	.3	-
367	Electronic components and accessories	2.8	-	2.2	-	.4	-	3.3	-	1.6	-	.9	-
3671-3	Electronic tubes	1.6	-	1.1	-	.2	-	2.4	-	.8	-	.7	-
3674	Semiconductors and related devices	2.1	-	1.8	-	.2	-	2.2	-	1.2	-	.4	-
3679	Electronic components, nec	3.5	-	2.8	-	.4	-	3.9	-	2.0	-	1.1	-
369	Misc. electrical equipment and supplies	3.6	-	1.7	-	1.2	-	2.4	-	.9	-	.7	-
3694	Engine electrical equipment	3.7	-	1.2	-	1.4	-	2.3	-	.7	-	.8	-
37	TRANSPORTATION EQUIPMENT	4.7	-	1.8	-	2.0	-	3.1	-	.8	-	1.5	-
371	Motor vehicles and equipment	7.4	-	2.0	-	3.5	-	3.5	-	.6	-	1.9	-
3711	Motor vehicles and car bodies	9.0	-	3.4	-	2.8	-	3.8	-	.6	-	2.2	-
3713	Truck and bus bodies	8.2	-	2.1	-	6.1	-	4.6	-	1.4	-	2.3	-
3714	Motor vehicle parts and accessories	5.8	-	.8	-	3.9	-	3.0	-	.5	-	1.5	-
3715,6	Truck trailers and motor homes	5.9	-	1.1	-	4.7	-	4.5	-	1.3	-	2.4	-
372	Aircraft and parts	1.7	-	1.2	-	.2	-	1.5	-	.7	-	.3	-
3721	Aircraft	1.5	-	1.0	-	.3	-	1.1	-	.5	-	.3	-
3724	Aircraft engines and engine parts	1.1	-	.7	-	.1	-	1.6	-	.5	-	.4	-
3728	Aircraft equipment, nec	2.7	-	2.2	-	.4	-	2.4	-	1.3	-	.4	-
373	Ship and boat building and repairing	6.4	-	2.9	-	3.4	-	6.4	-	1.5	-	3.9	-
3731	Ship building and repairing	6.1	-	2.3	-	3.7	-	7.0	-	1.3	-	4.6	-
3732	Boat building and repairing	7.4	-	5.3	-	1.8	-	4.2	-	2.3	-	1.1	-
374	Railroad equipment	2.3	-	.5	-	.9	-	4.1	-	.3	-	2.7	-
376	Guided missiles, space vehicles, parts	2.1	-	1.6	-	.1	-	1.4	-	.7	-	.3	-
3761	Guided missiles and space vehicles	2.2	-	1.8	-	.1	-	1.4	-	.7	-	.3	-
379	Miscellaneous transportation equipment	8.2	-	5.6	-	2.1	-	5.2	-	2.1	-	2.1	-
38	INSTRUMENTS AND RELATED PRODUCTS	2.2	2.1	1.8	1.6	.3	.3	2.3	1.8	1.3	.8	.5	.5
381	Engineering and scientific instruments	2.1	-	1.9	-	.1	-	1.7	-	1.2	-	.2	-
382	Measuring and controlling devices	2.3	-	1.7	-	.4	-	2.5	-	1.4	-	.4	-
3822	Environmental controls	2.5	-	1.3	-	1.0	-	2.1	-	1.1	-	.5	-
3823	Process control instruments	2.5	-	2.1	-	.2	-	2.3	-	1.1	-	.3	-
3825	Instruments to measure electricity	2.2	-	1.7	-	.1	-	2.6	-	1.7	-	.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P
	INSTRUMENTS AND RELATED PRODUCTS—Continued												
383	Optical instruments and lenses	2.3	-	2.2	-	0.1	-	2.5	-	1.5	-	0.5	-
384	Medical instruments and supplies	2.1	-	1.8	-	.2	-	2.5	-	1.4	-	.4	-
3841	Surgical and medical instruments	2.6	-	2.2	-	.2	-	3.0	-	2.1	-	.3	-
3842	Surgical appliances and supplies	1.8	-	1.3	-	.3	-	2.1	-	.9	-	.7	-
385	Ophthalmic goods	3.6	-	2.6	-	.5	-	3.8	-	1.8	-	1.1	-
386	Photographic equipment and supplies	1.5	-	1.3	-	.1	-	1.3	-	.8	-	.2	-
387	Watches, clocks, and watchcases	4.5	-	2.2	-	2.0	-	4.3	-	1.3	-	2.1	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.4	3.4	3.2	2.4	1.0	.8	5.0	5.6	2.1	1.5	1.9	3.2
391	Jewelry, silverware, and plated ware	5.8	-	4.9	-	1.0	-	3.8	-	2.1	-	.9	-
393	Musical instruments	4.1	-	2.9	-	.8	-	3.4	-	1.7	-	.8	-
394	Toys and sporting goods	4.2	-	3.1	-	.7	-	7.6	-	2.7	-	3.6	-
3942.4	Dolls, games, toys, and children's vehicles	4.3	-	3.3	-	.6	-	9.7	-	3.4	-	5.2	-
3949	Sporting and athletic goods, nec	4.0	-	2.9	-	.8	-	5.3	-	2.0	-	2.1	-
395	Pens, pencils, office and art supplies	2.6	-	2.0	-	.4	-	2.6	-	1.3	-	.3	-
396	Costume jewelry and notions	5.6	-	4.0	-	1.6	-	5.7	-	2.7	-	2.1	-
399	Miscellaneous manufactures	4.0	-	2.7	-	1.2	-	3.9	-	1.7	-	1.4	-
	NONDURABLE GOODS												
20	FOOD AND KINDRED PRODUCTS	5.6	3.8	3.8	2.4	1.5	1.3	8.0	6.1	2.7	1.9	4.5	3.5
201	Meat products	5.6	-	4.1	-	1.2	-	5.4	-	3.4	-	1.0	-
2011	Meat packing plants	3.6	-	2.0	-	1.3	-	3.7	-	1.4	-	1.5	-
2013	Sausages and other prepared meats	3.3	-	1.9	-	1.2	-	4.1	-	1.8	-	1.7	-
2016	Poultry dressing plants	8.9	-	7.4	-	1.0	-	8.4	-	7.0	-	.2	-
202	Dairy products	2.4	-	2.0	-	.2	-	3.3	-	1.6	-	1.0	-
203	Preserved fruits and vegetables	12.1	-	7.4	-	4.4	-	27.4	-	5.2	-	20.8	-
204	Grain mill products	2.8	-	2.2	-	.5	-	3.9	-	1.3	-	1.8	-
205	Bakery products	2.9	-	2.2	-	.4	-	2.7	-	1.6	-	.5	-
2051	Bread, cake, and related products	2.9	-	2.3	-	.3	-	2.7	-	1.7	-	.5	-
2052	Cookies and crackers	3.0	-	1.9	-	1.1	-	2.6	-	1.1	-	.8	-
206	Sugar and confectionery products	7.3	-	4.8	-	2.8	-	6.0	-	2.1	-	3.1	-
207	Fats and oils	6.9	-	4.4	-	2.4	-	3.1	-	1.4	-	1.0	-
208	Beverages	3.1	-	2.1	-	.9	-	3.7	-	1.6	-	1.4	-
2082	Malt beverages	2.1	-	.6	-	1.3	-	3.6	-	.3	-	2.8	-
2086	Bottled and canned soft drinks	2.7	-	2.4	-	.2	-	4.0	-	2.3	-	.8	-
209	Misc. foods and kindred products	6.8	-	4.9	-	1.8	-	9.2	-	3.7	-	4.6	-
21	TOBACCO MANUFACTURES	3.4	-	2.2	-	.6	-	3.0	-	1.0	-	1.0	-
211	Cigarettes	2.3	-	1.1	-	.2	-	1.2	-	.1	-	(2)	-
22	TEXTILE MILL PRODUCTS	3.6	2.7	2.7	2.0	.6	.4	3.8	3.0	2.1	1.5	.9	.8
221	Weaving mills, cotton	2.8	-	2.1	-	.2	-	3.1	-	1.8	-	.4	-
222	Weaving mills, synthetics	3.1	-	2.5	-	.4	-	3.8	-	1.9	-	1.0	-
223	Weaving and finishing mills, wool	4.6	-	2.6	-	1.9	-	4.2	-	1.9	-	1.4	-
224	Narrow fabric mills	4.1	-	3.3	-	.8	-	3.3	-	2.1	-	.6	-
225	Knitting mills	3.8	-	2.9	-	.8	-	4.5	-	2.3	-	1.5	-
2251	Women's hosiery, except socks	2.7	-	2.5	-	.2	-	3.4	-	2.5	-	.3	-
2252	Hosiery, nec	4.1	-	3.5	-	.5	-	3.9	-	2.8	-	.5	-
2253	Knit outerwear mills	4.9	-	3.6	-	1.0	-	4.8	-	2.4	-	1.5	-
2254	Knit underwear mills	3.1	-	2.7	-	.3	-	3.6	-	2.3	-	.7	-
2257	Circular knit fabric mills	3.4	7	2.3	-	1.0	-	4.7	-	2.0	-	2.1	-
226	Textile finishing, except wool	3.6	-	2.7	-	.6	-	3.1	-	1.8	-	.5	-
227	Floor covering mills	3.1	-	2.2	-	.7	-	3.1	-	1.8	-	.6	-
228	Yarn and thread mills	4.6	-	3.6	-	.7	-	4.8	-	2.7	-	.5	-
229	Miscellaneous textile goods	3.3	-	2.0	-	1.0	-	2.8	-	1.3	-	.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	4.5	3.9	2.9	2.3	1.3	1.4	5.3	5.0	2.4	2.0	2.1	2.4
231	Men's and boys' suits and coats	3.9	-	2.6	-	.9	-	5.6	-	1.8	-	3.2	-
232	Men's and boys' furnishings	4.3	-	3.2	-	.9	-	5.6	-	3.2	-	1.7	-
2321	Men's and boys' shirts and nightwear	3.8	-	2.8	-	.7	-	4.9	-	2.8	-	1.4	-
2327	Men's and boys' separate trousers	4.4	-	3.7	-	.5	-	4.4	-	3.3	-	.5	-
2328	Men's and boys' work clothing	4.4	-	3.4	-	.9	-	5.2	-	3.7	-	.9	-
233	Women's and misses' outerwear	4.0	-	2.2	-	1.6	-	4.8	-	1.5	-	2.5	-
234	Women's and children's undergarments	4.8	-	3.8	-	.9	-	5.4	-	3.1	-	1.5	-
2341	Women's and children's underwear	4.7	-	3.6	-	.9	-	5.5	-	3.3	-	1.5	-
2342	Brassieres and allied garments	5.5	-	4.5	-	.6	-	4.8	-	2.4	-	1.5	-
236	Children's outerwear	5.5	-	3.9	-	1.3	-	5.3	-	2.7	-	1.8	-
238	Misc. apparel and accessories	4.9	-	3.3	-	1.4	-	5.5	-	2.5	-	2.0	-
239	Misc. fabricated textile products	5.4	-	3.3	-	1.9	-	5.4	-	2.3	-	2.3	-
26	PAPER AND ALLIED PRODUCTS	2.2	1.9	1.4	1.1	.7	.6	2.5	2.4	.9	.6	1.0	1.2
261,2,6	Paper and pulp mills	1.2	-	.7	-	.4	-	1.5	-	.4	-	.7	-
262	Paper mills, except building paper	1.1	-	.6	-	.3	-	1.4	-	.4	-	.6	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by Industry—Continued

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P	Oct. 1980	Nov. 1980P
	PAPER AND ALLIED PRODUCTS—Continued												
263	Paperboard mills	1.3	-	0.8	-	0.3	-	1.4	-	0.5	-	0.5	-
264	Misc. converted paper products	2.9	-	1.9	-	.9	-	3.5	-	1.3	-	1.4	-
265	Paperboard containers and boxes	2.8	-	1.8	-	.9	-	2.8	-	1.0	-	.9	-
2651	Folding paperboard boxes	2.7	-	1.6	-	.9	-	3.0	-	.9	-	1.3	-
2653	Corrugated and solid fiber boxes	2.2	-	1.5	-	.6	-	2.2	-	1.0	-	.5	-
27	PRINTING AND PUBLISHING	3.1	2.8	2.5	2.2	.5	.5	3.2	2.6	1.7	1.5	1.0	.7
271	Newspapers	3.5	-	3.2	-	.1	-	3.1	-	2.5	-	.1	-
272	Periodicals	2.6	-	2.4	-	.1	-	2.2	-	1.6	-	.2	-
273	Books	2.7	-	1.8	-	.9	-	4.1	-	1.3	-	2.1	-
274	Miscellaneous publishing	3.0	-	2.8	-	.2	-	3.0	-	1.9	-	.3	-
275	Commercial printing	3.1	-	2.3	-	.7	-	3.2	-	1.2	-	1.5	-
2751	Commercial printing, letterpress	3.0	-	2.1	-	.9	-	3.3	-	1.1	-	1.7	-
2752	Commercial printing, lithographic	3.3	-	2.5	-	.6	-	3.1	-	1.2	-	1.2	-
278	Blankbooks and bookbinding	3.8	-	2.3	-	1.5	-	4.5	-	1.5	-	2.7	-
28	CHEMICALS AND ALLIED PRODUCTS	1.5	1.2	1.0	.8	.3	.3	1.5	1.2	.6	.4	.4	.5
281	Industrial inorganic chemicals	1.2	-	.9	-	.2	-	1.3	-	.4	-	.5	-
2819	Industrial inorganic chemicals, nec	1.2	-	1.0	-	.1	-	1.1	-	.4	-	.4	-
282	Plastics materials and synthetics	1.3	-	.7	-	.6	-	1.0	-	.4	-	.3	-
2821	Plastics materials and resins	1.4	-	.9	-	.3	-	1.0	-	.5	-	.1	-
2824	Organic fibers, noncellulosic	1.0	-	.4	-	.4	-	.9	-	.3	-	.3	-
283	Drugs	1.5	-	1.1	-	.2	-	1.1	-	.6	-	.1	-
2834	Pharmaceutical preparations	1.5	-	1.2	-	.2	-	1.1	-	.6	-	.1	-
284	Soap, cleaners, and toilet goods	2.0	-	1.4	-	.4	-	2.9	-	1.1	-	1.0	-
2841	Soap and other detergents	1.5	-	.8	-	.4	-	2.5	-	.5	-	1.6	-
2844	Toilet preparations	2.3	-	1.7	-	.2	-	3.0	-	1.5	-	.9	-
285	Paints and allied products	1.8	-	1.3	-	.4	-	2.2	-	.9	-	.7	-
286	Industrial organic chemicals	.8	-	.5	-	.1	-	1.2	-	.4	-	.2	-
287	Agricultural chemicals	1.9	-	1.2	-	.5	-	1.9	-	.9	-	.6	-
289	Miscellaneous chemical products	2.2	-	1.7	-	.4	-	1.7	-	.7	-	.5	-
29	PETROLEUM AND COAL PRODUCTS	1.9	1.5	1.5	1.3	.4	.2	1.7	1.9	.6	.5	.6	1.0
291	Petroleum refining	1.6	-	1.4	-	.2	-	1.3	-	.4	-	.5	-
295	Paving and roofing materials	3.5	-	2.4	-	.9	-	4.3	-	1.6	-	1.6	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	4.5	3.3	2.8	2.0	1.2	1.0	4.2	3.3	2.0	1.3	1.3	1.2
301	Tires and inner tubes	2.3	-	.6	-	1.3	-	1.5	-	.4	-	.5	-
302	Rubber and plastics footwear	5.4	-	3.6	-	1.3	-	7.5	-	3.4	-	2.4	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	3.8	-	2.1	-	1.5	-	1.8	-	.7	-	.5	-
306	Fabricated rubber products, nec	3.9	-	2.3	-	1.2	-	3.6	-	1.3	-	1.4	-
307	Miscellaneous plastics products	5.1	-	3.4	-	1.2	-	4.9	-	2.6	-	1.4	-
31	LEATHER AND LEATHER PRODUCTS	5.8	4.2	4.6	2.9	.9	1.0	6.6	6.5	3.4	2.4	2.2	3.3
311	Leather tanning and finishing	4.2	-	3.1	-	1.0	-	4.4	-	1.7	-	1.7	-
314	Footwear, except rubber	5.6	-	4.5	-	.8	-	5.9	-	3.6	-	1.4	-
3143	Men's footwear, except athletic	5.6	-	4.9	-	.4	-	5.1	-	3.7	-	.6	-
3144	Women's footwear, except athletic	5.3	-	3.8	-	1.2	-	6.2	-	3.1	-	2.2	-
	NONMANUFACTURING:												
-	MINING	4.9	4.1	3.7	3.2	.8	.6	4.3	3.9	2.8	2.3	.6	.9
10	METAL MINING	3.6	2.8	1.4	1.1	1.9	.7	2.5	1.7	.9	.6	.9	.6
101	Iron ores	9.3	-	.2	-	8.3	-	4.6	-	.4	-	3.0	-
102	Copper ores	4.8	-	4.0	-	.2	-	2.4	-	1.2	-	(1)	-
12	BITUMINOUS COAL AND LIGNITE MINING	1.4	1.2	.8	.5	.5	.7	1.7	1.2	.6	.3	.7	.5
13	OIL AND GAS EXTRACTION	7.1	6.2	5.8	5.1	.7	.6	5.9	5.2	4.4	3.8	.3	.4
131,2	Crude petroleum, natural gas, and natural gas liquids	2.4	-	2.0	-	.2	-	1.7	-	.9	-	.2	-
138	Oil and gas field services	10.2	-	8.2	-	1.1	-	8.5	-	6.7	-	.4	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	2.4	1.6	1.8	1.2	.5	.4	3.4	5.9	1.3	.9	1.3	4.4
142	Crushed and broken stone	2.2	-	1.5	-	.6	-	3.3	-	1.0	-	1.5	-
144	Sand and gravel	3.4	-	2.7	-	.6	-	5.1	-	1.9	-	2.4	-
-	COMMUNICATION:												
481	Telephone communication	.9	-	.7	-	(1)	-	.8	-	.4	-	.1	-

¹ Less than 0.05.

P=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1970 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1970.....	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971.....	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972.....	4.3	4.3	4.4	4.4	4.4	4.3	4.3	4.5	4.5	4.6	4.7	4.9
1973.....	5.0	5.2	5.1	4.9	4.8	4.7	4.6	4.6	4.8	4.8	5.0	4.7
1974.....	4.7	4.6	4.5	4.6	4.5	4.3	4.3	4.1	4.0	3.8	3.3	3.1
1975.....	3.0	3.2	3.2	3.6	3.7	3.8	4.0	4.0	3.9	3.8	3.8	3.8
1976.....	4.2	4.1	4.2	4.0	4.0	3.8	3.9	3.8	3.7	3.7	3.8	3.9
1977.....	4.0	4.4	4.0	4.0	4.0	4.0	4.0	3.9	3.9	4.0	4.1	4.4
1978.....	4.1	3.9	4.0	4.2	4.0	4.0	4.0	4.1	4.2	4.3	4.3	4.4
1979.....	4.2	4.1	4.0	4.0	4.0	4.0	3.9	3.9	3.9	4.1	4.0	3.9
1980.....	3.9	3.9	3.6	3.0	3.0	3.3	3.4	3.6	3.8	3.8	P3.6	
New hires												
1970.....	3.3	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971.....	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972.....	3.0	3.1	3.2	3.2	3.3	3.2	3.2	3.3	3.4	3.6	3.7	4.0
1973.....	4.0	4.2	4.1	4.0	4.0	3.8	3.7	3.7	3.8	3.9	4.1	3.8
1974.....	3.8	3.7	3.6	3.5	3.5	3.3	3.3	3.1	3.0	2.7	2.3	1.9
1975.....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.4	2.3	2.4	2.5
1976.....	2.6	2.7	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.4	2.5	2.6
1977.....	2.7	2.8	2.8	2.9	3.0	2.8	2.8	2.8	2.8	2.9	2.9	3.2
1978.....	3.0	2.9	3.0	3.1	3.0	3.0	3.0	3.1	3.2	3.3	3.4	3.4
1979.....	3.2	3.2	3.1	3.0	3.0	3.0	2.8	2.8	2.8	2.9	2.9	2.9
1980.....	2.8	2.8	2.5	2.1	1.8	1.8	1.9	1.9	2.1	2.1	P2.1	
Total separations												
1970.....	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971.....	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972.....	4.2	4.1	4.2	4.2	4.2	4.5	4.5	4.2	4.3	4.1	4.3	4.4
1973.....	4.6	4.7	4.8	4.6	4.6	4.7	4.9	4.6	4.5	4.7	4.8	4.8
1974.....	5.1	5.0	4.9	4.7	4.6	4.5	4.5	4.8	4.4	4.8	5.2	4.9
1975.....	5.2	5.1	4.6	4.6	4.6	4.3	4.0	3.9	3.8	3.8	3.8	3.5
1976.....	3.6	3.6	3.8	3.9	3.7	3.9	3.9	4.0	3.9	3.8	3.6	3.6
1977.....	3.9	4.1	3.8	3.7	3.8	3.7	3.9	3.9	3.9	3.7	3.8	3.9
1978.....	3.8	3.8	3.8	4.0	3.9	3.9	3.9	3.8	3.8	4.0	4.0	4.1
1979.....	4.0	4.0	3.9	4.1	4.0	4.1	3.9	4.3	3.9	4.0	4.1	4.0
1980.....	4.1	4.0	4.3	5.3	5.7	5.1	3.8	3.9	3.5	3.4	P3.2	
Quits												
1970.....	2.4	2.5	2.3	2.3	2.1	2.2	2.1	2.0	2.0	1.9	1.8	1.9
1971.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.5	2.6
1973.....	2.8	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.9	2.9	2.7
1974.....	2.7	2.8	2.7	2.6	2.6	2.5	2.5	2.4	2.2	2.0	1.8	1.7
1975.....	1.4	1.3	1.2	1.2	1.3	1.4	1.4	1.5	1.4	1.5	1.6	1.5
1976.....	1.6	1.7	1.8	1.8	1.7	1.7	1.8	1.7	1.7	1.6	1.5	1.6
1977.....	1.8	1.8	1.8	1.8	1.9	1.8	1.8	1.9	1.9	1.9	1.9	2.0
1978.....	1.9	1.9	2.0	2.1	2.0	2.1	2.1	2.1	2.1	2.2	2.2	2.2
1979.....	2.2	2.2	2.1	2.1	2.0	2.0	1.9	2.0	1.9	2.0	2.0	1.9
1980.....	1.9	1.9	1.9	1.5	1.4	1.4	1.3	1.3	1.3	1.3	P1.4	
Layoffs												
1970.....	1.5	1.7	1.8	1.9	1.9	1.9	1.5	1.9	1.9	2.2	2.0	1.7
1971.....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....	1.2	1.2	1.1	1.2	1.2	1.4	1.4	1.1	1.0	1.0	.9	.9
1973.....	.9	.8	.9	.8	.9	.9	1.2	1.0	.9	.8	1.0	1.1
1974.....	1.4	1.3	1.2	1.1	1.1	1.1	1.1	1.4	1.3	1.8	2.5	2.5
1975.....	2.9	3.0	2.7	2.6	2.5	2.2	1.7	1.6	1.7	1.5	1.5	1.3
1976.....	1.2	1.0	1.2	1.3	1.2	1.3	1.3	1.4	1.4	1.4	1.3	1.2
1977.....	1.3	1.5	1.2	1.1	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.0
1978.....	1.0	1.0	1.0	1.0	1.0	.9	.9	.9	.8	.9	.9	1.0
1979.....	.9	.9	.9	1.1	1.0	1.2	1.1	1.4	1.2	1.2	1.3	1.2
1980.....	1.3	1.3	1.5	2.9	3.5	2.9	1.7	1.9	1.5	1.4	P1.2	

p-preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p
ALABAMA:												
Birmingham	4.0	3.8	1.3	1.2	2.5	2.3	4.9	4.3	0.9	0.7	3.1	2.9
Mobile	8.9	9.0	1.8	1.1	7.0	7.8	6.8	7.3	1.9	1.4	4.1	5.3
ALASKA	15.4	33.1	11.1	13.5	4.0	19.7	17.5	57.4	2.5	6.2	14.6	49.5
ARIZONA	4.8	3.9	4.0	3.1	.6	.6	3.6	3.2	2.1	1.8	.5	.5
Phoenix	4.9	3.8	4.2	3.0	.6	.6	3.5	3.1	2.1	1.8	.5	.5
ARKANSAS	6.1	5.2	4.3	3.4	1.3	1.4	5.5	5.1	3.2	2.8	1.1	1.4
Fort Smith	5.4	5.6	3.5	3.3	1.1	1.9	4.6	5.5	2.9	3.1	.3	1.0
Little Rock—North Little Rock	4.1	2.8	3.3	2.1	.5	.6	3.5	3.5	2.0	1.6	.7	1.2
Pine Bluff	3.1	2.9	2.3	1.8	.8	.9	4.5	2.6	1.7	1.4	2.1	.6
CALIFORNIA	4.4	4.0	3.2	3.0	1.0	.9	4.1	4.9	2.1	1.8	1.1	2.1
COLORADO	3.8	3.3	2.9	2.8	.8	.5	4.8	3.4	3.0	2.2	1.2	.5
Denver—Boulder	3.6	3.2	3.0	2.8	.6	.3	4.1	3.4	2.4	1.9	1.0	.5
CONNECTICUT	2.6	2.3	1.8	1.6	.6	.5	2.6	2.3	1.4	1.0	.5	.7
Hartford	2.2	1.6	1.7	1.2	.3	.3	1.8	2.3	1.2	.9	.1	.8
DELAWARE	5.6	2.8	2.0	1.8	3.2	.5	2.4	2.2	1.2	1.0	.4	.3
Wilmington	5.3	2.2	1.3	1.3	3.5	.4	1.8	1.7	.7	.6	.5	.2
FLORIDA	5.6	5.2	4.5	4.1	.9	1.0	4.8	4.4	3.1	2.9	.6	.6
Fort Lauderdale—Hollywood	5.4	6.2	5.0	4.9	.3	1.2	5.6	5.6	3.0	3.8	1.2	.6
Jacksonville	4.0	3.9	3.2	2.7	.8	1.2	4.6	4.2	2.1	1.8	1.3	1.4
Miami	4.9	4.9	4.2	4.3	.6	.6	3.9	4.2	2.6	2.5	.4	.8
Orlando	4.8	4.4	3.8	3.1	.9	1.1	4.5	3.5	3.4	2.1	.4	.9
Pensacola	1.6	1.8	1.3	1.7	.3	(¹)	2.2	1.6	1.2	1.0	(¹)	(¹)
Tampa—St. Petersburg	6.2	5.6	5.2	5.2	.9	.3	5.2	5.2	3.5	3.9	.6	.3
West Palm Beach—Boca Raton	4.0	4.6	3.2	3.7	.6	.9	3.7	5.2	2.7	2.5	.1	1.2
GEORGIA	3.9	3.4	3.0	2.6	.5	.5	4.0	3.5	2.6	2.1	.5	.7
Atlanta ²	3.1	2.6	2.6	1.9	.3	.4	3.4	2.7	2.0	1.3	.7	.7
HAWAII ³	3.3	4.0	1.8	1.4	1.4	2.4	4.2	2.8	1.0	1.0	2.6	1.3
IDAHO ⁴	4.0	2.5	2.8	1.7	1.1	.7	3.5	2.8	1.8	1.3	.6	.8
ILLINOIS:												
Chicago SMSA	3.1	2.6	1.7	1.5	1.1	.9	3.1	2.7	1.3	1.1	.9	.8
Davenport—Rock Island—Moline	1.6	3.1	.5	1.0	.9	1.7	3.0	3.1	.5	.7	1.7	1.8
Decatur	3.1	2.1	.3	.2	1.8	1.4	4.5	2.9	.2	.2	3.7	2.2
Peoria	2.1	1.3	.4	.2	1.4	1.0	2.3	3.0	.4	.2	1.3	2.4
Rockford	2.0	1.6	1.0	.6	.9	.8	2.8	2.2	.9	.8	1.4	1.1
INDIANA ⁵	4.3	3.4	1.3	1.1	1.8	1.6	3.2	3.1	1.0	.7	1.5	1.6
Indianapolis ⁶	4.4	4.2	1.6	1.3	1.7	2.1	3.5	3.5	1.0	.9	1.5	1.8
IOWA	3.0	2.5	1.3	1.1	1.3	1.0	3.5	6.1	1.2	.9	1.6	4.7
Cedar Rapids	2.0	2.0	.9	.5	.7	1.1	3.1	2.5	.8	.5	1.5	1.3
Des Moines	3.4	2.6	1.2	1.5	1.8	.7	2.6	2.3	1.5	1.0	.4	.6
KANSAS	5.8	3.3	3.3	2.4	2.2	.7	3.9	3.8	2.1	1.9	1.0	1.2
Topeka	1.9	2.8	1.0	.9	.8	1.8	3.5	2.4	1.2	.7	2.0	1.0
Wichita	4.6	4.0	3.4	2.8	.9	.8	3.4	3.2	2.3	1.9	.2	.6
KENTUCKY	4.4	3.8	1.5	1.2	2.6	2.1	4.3	4.0	1.2	.9	2.1	2.1
Lexington—Fayette	4.2	2.0	1.7	1.1	2.1	.7	3.1	3.0	1.2	1.0	.4	1.3
Louisville	2.9	4.2	.7	.5	1.7	2.4	2.3	2.7	.6	.5	.7	.6
LOUISIANA:												
New Orleans	5.2	5.2	4.3	4.5	.8	.5	4.9	4.6	2.7	2.2	.6	1.1
MAINE	5.2	4.1	3.7	2.9	1.3	.9	6.5	4.6	3.3	2.2	2.2	1.6
Portland	3.9	2.6	3.3	2.3	.3	.1	5.3	3.0	3.8	1.8	.4	.6
MARYLAND	3.5	(*)	1.6	(*)	1.8	(*)	3.6	(*)	1.3	(*)	1.6	(*)
Baltimore	3.4	(*)	1.4	(*)	1.9	(*)	3.4	(*)	1.0	(*)	1.6	(*)
MASSACHUSETTS	3.8	3.3	2.9	2.5	.6	.5	3.8	3.3	2.0	1.6	.8	1.0
Boston	3.7	3.2	3.1	2.7	.4	.2	3.1	2.5	1.7	1.4	.7	.3

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1980	Oct. 1980 ^P	Sept. 1980	Oct. 1980 ^P	Sept. 1980	Oct. 1980 ^P	Sept. 1980	Oct. 1980 ^P	Sept. 1980	Oct. 1980 ^P	Sept. 1980	Oct. 1980 ^P
MICHIGAN	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Detroit	3.3	5.3	1.1	3.5	1.8	1.3	1.9	2.6	0.4	0.3	0.8	1.5
Flint	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
Grand Rapids	2.9	2.2	2.7	1.1	.1	.8	5.8	1.5	2.5	.6	2.9	.5
Lansing—East Lansing	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
MINNESOTA	4.2	3.2	2.7	1.9	1.3	1.1	4.6	3.4	2.6	1.6	1.4	1.3
Minneapolis—St. Paul	3.0	2.4	2.1	1.9	.7	.4	2.9	2.8	1.9	1.4	.5	.9
MISSISSIPPI:												
Jackson	4.6	5.4	3.3	4.9	1.2	.4	4.2	4.5	3.1	2.7	.3	1.0
MISSOURI	3.3	3.0	1.9	1.5	1.2	1.3	3.5	3.3	1.4	1.1	1.4	1.6
Kansas City	4.2	3.5	1.9	1.3	2.2	2.1	3.7	2.8	1.3	1.0	1.8	1.1
St. Louis	3.4	2.5	1.3	1.0	2.0	1.4	3.0	2.5	.9	.6	1.5	1.3
MONTANA	2.8	6.0	1.4	5.3	1.2	.7	3.6	2.3	2.8	1.5	.1	.6
NEBRASKA	3.8	3.3	2.8	2.7	.7	.4	3.3	3.4	2.0	1.8	.8	1.0
NEVADA	8.7	5.8	8.0	5.6	.5	.3	6.1	9.6	4.4	3.8	.6	.7
NEW HAMPSHIRE	4.5	4.7	3.8	3.6	.5	.8	4.5	4.8	2.9	2.8	.9	1.1
NEW JERSEY:												
Camden ⁷	4.4	3.4	2.7	1.9	1.5	1.1	3.4	2.9	1.4	.9	.9	1.1
Hackensack	4.9	3.7	3.4	3.0	1.4	.5	4.5	3.9	2.2	1.5	1.2	1.3
Jersey City	3.4	3.4	2.4	1.8	.8	1.4	4.4	3.4	1.5	.9	1.9	1.5
New Brunswick—Perth Amboy—Sayreville	4.3	3.4	2.8	2.3	1.3	.9	3.8	3.2	1.7	1.3	1.3	1.0
Newark	3.2	2.2	2.1	1.8	.7	.3	3.0	2.8	1.3	1.1	.8	1.0
Paterson—Clifton—Passaic	4.0	3.4	2.4	2.5	1.5	.7	3.4	4.0	1.7	1.5	1.0	1.6
Trenton	5.0	2.9	1.6	1.1	3.2	1.8	4.1	3.2	1.9	.9	1.3	1.8
NEW MEXICO	4.9	4.8	4.1	4.2	.7	.5	4.0	5.6	2.4	2.5	.4	1.7
NEW YORK	4.3	3.7	2.3	2.0	1.7	1.5	3.9	3.4	1.6	1.1	1.5	1.6
Albany—Schenectady—Troy	3.3	2.7	1.3	1.3	1.5	.7	2.9	3.8	1.1	.7	.8	1.7
Binghamton	2.9	1.6	1.6	1.2	1.0	.2	2.6	1.7	1.2	.8	.9	.4
Buffalo	5.0	4.3	.8	.8	3.8	3.3	3.5	2.8	.7	.4	2.3	1.7
Elmira	2.1	1.4	1.1	.7	.5	.3	2.9	2.9	1.4	1.0	.6	1.0
Monroe County ⁸	2.6	1.8	1.6	1.4	.8	.3	3.1	1.5	2.5	.9	.2	.2
Nassau—Suffolk ⁹	4.9	4.3	4.0	3.1	.8	1.1	4.5	3.3	2.9	2.2	.7	.3
New York and Nassau—Suffolk	4.7	4.6	3.0	2.7	1.6	1.7	4.2	3.6	1.6	1.3	1.7	1.4
New York SMSA ⁹	4.6	4.6	2.7	2.6	1.8	1.8	4.1	3.7	1.3	1.1	1.9	1.7
New York City ¹⁰	4.9	5.1	2.8	2.8	2.0	2.1	4.4	3.9	1.3	1.1	2.1	1.9
Rochester	3.3	2.5	2.1	1.8	1.1	.6	3.6	2.9	2.5	1.0	.4	1.4
Syracuse	2.2	2.1	1.3	1.2	.8	.6	3.2	2.5	1.3	.9	1.3	1.1
Utica—Rome	3.2	2.8	1.9	1.8	1.2	.9	4.2	2.4	1.3	1.0	2.3	1.0
Westchester County ¹⁰	2.9	2.3	2.2	1.6	.5	.3	2.6	2.3	1.4	1.1	.7	.7
NORTH CAROLINA	3.9	3.4	3.1	2.8	.6	.4	3.4	3.3	2.2	2.1	.4	.5
Charlotte—Gastonia	4.8	4.3	3.9	3.6	.7	.5	4.4	3.7	3.1	2.6	.4	.2
Greensboro—Winston-Salem—High Point	3.7	3.6	3.2	2.9	.2	.2	3.3	2.9	2.2	1.8	.3	.4
NORTH DAKOTA	5.4	5.7	2.4	2.4	3.0	3.1	5.0	4.1	2.1	1.3	2.1	2.1
Fargo—Moorhead	5.2	3.5	2.0	2.6	2.7	.6	5.0	3.9	2.2	1.3	1.2	1.5
OHIO	3.7	2.6	.9	.7	(*)	(*)	3.1	2.6	.8	.5	1.5	1.4
Akron	1.9	2.3	.7	.7	(*)	(*)	2.1	1.8	.5	.4	1.2	.8
Canton	3.0	3.3	.6	.8	(*)	(*)	4.2	3.1	.7	.5	2.4	1.9
Cincinnati	2.4	1.8	1.1	.9	(*)	(*)	2.1	2.1	.8	.7	.5	.7
Cleveland	4.1	2.8	1.0	.8	(*)	(*)	2.9	2.7	.9	.6	1.1	1.1
Columbus	6.0	2.0	1.1	1.2	(*)	(*)	2.4	2.3	1.0	.8	.8	.9
Dayton	2.9	2.2	1.0	.8	(*)	(*)	2.8	1.9	1.0	.5	1.0	.6
Toledo	3.8	2.6	.6	.4	(*)	(*)	3.3	2.6	.6	.3	1.7	1.4
Youngstown—Warren	2.6	2.9	.4	.3	(*)	(*)	2.4	1.9	.3	.3	1.2	1.1
OKLAHOMA	8.5	5.0	5.1	4.0	3.3	.8	5.1	4.7	3.8	3.1	.4	.7
Oklahoma City	13.3	4.3	4.6	3.4	8.6	.6	4.7	4.1	3.5	2.8	.3	.6
Tulsa ¹¹	6.0	4.4	5.2	4.0	.7	.3	4.8	4.3	3.3	2.8	.2	.6
OREGON ⁵	4.3	3.5	2.5	2.1	1.6	1.3	4.5	4.6	2.2	1.4	1.5	2.5
Eugene—Springfield ⁵	2.8	2.4	1.9	1.6	.8	.5	3.8	2.9	1.8	1.1	1.3	1.1
Portland ⁵	4.5	3.8	2.7	2.3	1.6	1.4	4.5	4.7	2.2	1.5	1.5	2.5

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER**

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

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p	Sept. 1980	Oct. 1980 ^p
PENNSYLVANIA	3.7	2.9	1.5	1.2	1.9	1.5	3.8	3.1	1.1	0.8	2.0	1.8
Allentown—Bethlehem—Easton	3.3	2.4	1.4	1.0	1.5	1.2	3.1	2.9	.9	.7	1.7	1.7
Altoona	2.9	1.8	2.0	.9	.8	.8	2.7	4.1	1.0	.6	1.2	2.9
Erle	2.5	2.4	.9	1.0	1.1	1.2	3.6	2.0	.6	.4	1.9	1.0
Harrisburgh	2.7	2.3	1.5	1.7	.9	.4	4.0	2.6	1.7	1.1	1.6	.9
Johnstown	2.4	3.5	.8	.4	1.2	2.7	4.8	3.9	1.0	.5	3.3	2.9
Lancaster	3.0	2.5	1.9	1.4	.9	1.0	3.6	2.7	1.8	1.4	1.3	.8
Northeast Pennsylvania	3.6	2.8	1.9	1.4	1.4	1.2	4.7	3.1	1.6	.9	2.6	1.7
Philadelphia SMSA	3.1	2.7	1.8	1.6	1.1	1.0	3.0	2.8	1.3	1.0	1.1	1.2
Pittsburgh	4.9	3.4	.7	.6	3.6	2.2	3.9	3.7	.6	.4	2.4	2.8
Reading	4.2	2.9	2.1	1.7	1.9	1.2	3.3	2.5	1.4	1.1	1.2	.9
Scranton ¹²	3.7	3.1	2.0	1.5	1.6	1.4	4.7	2.8	1.6	1.1	2.7	1.3
Wilkes-Barre—Hazleton ¹²	3.3	2.7	1.7	1.4	1.3	1.1	4.5	3.1	1.5	1.0	2.4	1.7
Williamsport	7.8	1.8	.9	.8	6.7	.9	2.9	1.7	.6	.6	1.8	.7
York	4.2	2.8	2.4	2.2	1.7	.6	2.8	3.3	1.5	1.5	.9	1.0
RHODE ISLAND	5.4	4.3	3.9	3.1	1.2	1.0	4.9	4.1	2.9	2.1	1.3	1.3
Providence—Warwick—Pawtucket	5.9	4.4	4.1	3.1	1.5	.9	5.0	4.1	2.9	2.1	1.3	1.2
SOUTH CAROLINA	3.7	3.2	2.4	2.4	.9	.6	3.7	3.5	2.0	1.7	.8	.9
Charleston—North Charleston	5.3	3.4	3.7	2.7	1.6	.5	4.6	4.3	2.2	1.7	1.1	1.3
Columbia	3.6	3.4	3.2	2.7	.2	.6	4.3	4.2	2.2	2.0	1.1	1.3
Greenville—Spartanburg	3.6	3.5	2.7	3.0	.7	.3	3.7	4.3	2.4	2.0	.3	1.4
SOUTH DAKOTA	2.4	3.3	1.4	2.4	.9	.7	3.6	3.2	1.5	1.3	1.7	1.1
Sioux Falls	2.3	3.1	1.0	1.5	1.3	1.6	4.1	3.1	1.3	1.2	2.6	1.4
TENNESSEE:												
Memphis	3.3	3.3	2.0	2.4	1.1	.8	3.1	3.5	1.3	1.5	1.0	1.2
TEXAS:												
Dallas—Fort Worth	5.3	4.2	4.0	3.9	1.1	.2	4.4	4.3	3.0	2.7	.5	.6
Houston	4.2	3.7	3.9	3.4	.2	.2	3.8	3.5	2.7	2.3	.2	.3
San Antonio	5.0	5.0	4.5	4.3	.3	.6	4.9	4.3	3.3	2.8	.4	.4
UTAH ⁴	5.3	3.9	4.5	3.3	.5	.5	5.6	4.7	3.6	2.3	1.0	1.6
Salt Lake City—Ogden ⁴	4.7	3.3	4.3	3.0	.2	.2	4.7	4.3	3.1	2.3	.7	1.2
VERMONT	3.8	3.2	2.4	2.3	1.1	.7	3.6	3.0	1.4	1.4	1.6	1.0
Burlington	3.0	2.9	2.2	2.5	.4	.2	2.3	2.0	.7	1.0	1.2	.8
Springfield	2.8	2.5	2.1	1.4	.7	1.1	2.7	1.8	1.3	.8	.6	.5
VIRGINIA	3.9	2.9	2.7	1.9	1.0	.7	3.2	2.9	1.7	1.3	.8	.7
Richmond	2.7	2.1	1.9	1.3	.1	.2	2.3	1.7	1.1	.7	.2	.2
WASHINGTON: ¹³												
Seattle—Everett	2.1	2.1	1.7	1.5	.3	.5	2.6	2.4	1.3	.9	.9	1.0
WEST VIRGINIA	3.7	3.1	1.1	1.4	2.5	1.6	2.7	4.8	1.1	.8	1.0	3.3
WISCONSIN	3.4	2.7	1.5	1.1	1.2	1.3	4.7	4.4	1.4	.8	2.4	2.9
Milwaukee	3.1	2.4	1.1	1.0	1.2	.9	4.1	3.2	1.0	.7	2.1	1.7
WYOMING	8.4	9.3	7.3	5.6	1.0	3.6	6.6	6.6	5.1	3.5	.5	2.2

¹ Less than 0.05.
² Excludes agricultural chemicals, and miscellaneous manufacturing.
³ Excludes canned fruits, vegetables, preserves, jams, and jellies.
⁴ Excludes canning and preserving, and sugar.
⁵ Excludes canning and preserving.
⁶ Excludes canning and preserving, and newspapers.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
⁸ Subarea of Rochester Standard Metropolitan Statistical Area.
⁹ Area included in New York and Nassau-Suffolk combined SMSA's.
¹⁰ Subarea of New York Standard Metropolitan Statistical Area.

¹¹ Excludes new-hire rates for transportation equipment.
¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.
¹³ Excludes canning and preserving, printing and publishing.
p=preliminary.
* Not available.

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

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
ALABAMA	1,638.3	1,650.8	1,649.5	113.4	144.7	144.0	6.9	8.8	8.7
Birmingham	379.3	387.2	387.6	24.2	38.9	37.8	6.4	10.1	9.8
Huntsville	137.6	139.0	139.1	8.9	11.7	11.7	6.5	8.4	8.4
Mobile	180.8	178.8	180.1	13.0	13.5	12.9	7.2	7.6	7.2
Montgomery	120.2	117.6	117.5	6.7	9.2	9.1	5.6	7.8	7.7
Tuscaloosa	52.0	52.6	52.7	2.8	4.0	4.1	5.4	7.6	7.7
ALASKA	177.1	187.3	183.7	15.0	16.1	16.9	8.5	8.6	9.2
ARIZONA	1,086.8	1,147.2	1,160.6	54.9	80.4	79.1	5.1	7.0	6.8
Phoenix	664.9	698.6	706.9	29.7	42.4	42.4	4.5	6.1	6.0
Tucson	195.5	208.8	211.8	8.5	13.4	12.6	4.4	6.4	5.9
ARKANSAS	959.0	1,000.8	973.7	57.1	73.5	71.8	6.0	7.3	7.4
Fayetteville-Springdale	76.5	78.9	78.2	3.1	3.9	3.7	4.1	4.9	4.7
Fort Smith ¹	83.0	84.6	83.2	6.3	8.2	7.6	7.6	9.7	9.1
Little Rock-North Little Rock	185.9	192.7	189.6	7.5	11.7	10.8	4.0	6.1	5.7
Pine Bluff	38.8	39.6	38.6	1.9	2.7	2.7	5.0	6.9	7.0
CALIFORNIA ²	11,091.0	11,245.4	11,308.8	632.2	748.1	797.1	5.7	6.7	7.0
Anaheim-Santa Ana-Garden Grove	1,084.1	1,099.4	1,124.0	40.2	46.0	46.0	3.7	4.2	4.1
Bakersfield	177.1	174.6	179.3	17.2	13.2	15.8	9.7	7.6	8.8
Fresno	252.4	260.9	258.3	20.9	21.4	24.4	8.3	8.2	9.4
Los Angeles-Long Beach ²	3,561.0	3,640.0	3,612.0	165.0	264.0	292.0	4.6	7.3	8.1
Modesto	131.5	135.8	133.8	14.2	13.4	15.8	10.8	9.8	11.8
Oxnard-Simi Valley-Ventura	223.1	225.7	229.7	16.2	16.1	17.5	7.3	7.1	7.6
Riverside-San Bernardino-Ontario	579.6	588.8	601.6	36.3	45.0	44.4	6.3	7.6	7.4
Sacramento	467.5	473.2	483.0	31.3	32.9	36.1	6.7	7.0	7.5
Salinas-Seaside-Monterey	126.7	128.2	127.8	10.1	8.5	11.5	8.0	6.6	9.0
San Diego	739.0	751.3	765.1	42.7	49.8	50.4	5.8	6.6	6.6
San Francisco-Oakland	1,604.5	1,592.9	1,620.5	78.8	85.7	84.4	4.9	5.4	5.2
San Jose	723.0	736.5	745.0	34.0	37.8	35.7	4.7	5.1	4.8
Santa Barbara-Santa Maria-Lompoc	146.1	146.2	147.5	7.5	7.8	7.6	5.1	5.3	5.1
Santa Rosa	128.9	130.5	129.9	8.0	8.1	8.9	6.2	6.2	6.9
Stockton	160.6	168.0	160.9	16.8	14.4	15.6	10.5	8.6	9.7
Vallejo-Fairfield-Napa	123.6	126.7	127.2	8.1	7.8	8.4	6.5	6.2	6.6
COLORADO	1,407.2	1,488.4	1,475.3	62.7	94.2	95.1	4.5	6.3	6.4
Denver-Boulder	839.0	880.6	879.4	33.4	52.0	52.8	4.0	5.9	6.0
CONNECTICUT	1,589.1	1,605.1	1,612.6	75.6	90.2	93.0	4.8	5.6	5.8
Bridgeport	193.3	196.8	197.9	9.9	11.9	11.9	5.1	6.1	6.0
Hartford	383.0	388.7	390.8	15.4	18.6	20.0	4.0	4.8	5.1
New Britain	73.4	74.8	74.7	3.7	4.6	4.2	5.1	6.1	5.6
New Haven-West Haven	203.5	209.3	211.1	10.6	13.2	14.0	5.2	6.3	6.6
Stamford	120.4	122.9	122.4	4.3	4.8	4.6	3.5	3.9	3.7
Waterbury	110.0	107.3	108.3	5.7	6.9	7.4	5.2	6.4	6.8
DELAWARE	278.4	279.1	280.6	25.3	19.3	20.2	9.1	6.9	7.2
Wilmington ¹	247.2	245.3	247.2	22.4	16.4	17.1	9.1	6.7	6.9
DISTRICT OF COLUMBIA	319.5	317.6	318.6	22.8	22.0	23.8	7.1	6.9	7.5
Washington SMSA ¹	1,609.2	1,640.9	1,649.7	68.0	67.4	69.3	4.2	4.1	4.2
FLORIDA ²	3,756.2	3,927.9	3,978.0	219.8	268.4	217.5	5.9	6.8	5.5
Fort Lauderdale-Hollywood	393.0	408.1	413.0	20.2	20.6	17.0	5.1	5.1	4.1
Jacksonville	290.9	303.1	307.9	15.9	18.2	16.8	5.5	6.0	5.5
Miami	708.2	738.5	740.2	39.4	52.0	38.3	5.6	7.0	5.2
Orlando	302.7	320.5	321.7	17.0	20.9	17.3	5.6	6.5	5.4
Pensacola	105.5	110.2	111.7	6.1	6.5	6.1	5.8	5.9	5.5
Tampa-St. Petersburg	576.5	599.4	607.3	30.8	36.7	30.5	5.3	6.1	5.0
West Palm Beach-Boca Raton	220.2	235.2	243.8	13.0	17.0	13.3	5.9	7.2	5.5
GEORGIA	2,349.8	2,413.4	2,391.9	116.7	153.2	149.6	5.0	6.3	6.3
Albany	49.4	52.4	51.9	3.0	4.3	4.1	6.2	8.1	7.8
Atlanta	947.6	957.5	962.8	41.2	52.9	52.7	4.3	5.5	5.5
Augusta	121.2	123.9	123.3	6.5	8.5	8.4	5.3	6.9	6.8
Columbus ¹	85.6	84.6	84.7	5.8	6.3	6.3	6.8	7.4	7.5
Macon	97.1	97.5	97.4	5.2	6.0	6.0	5.3	6.2	6.2
Savannah	85.9	87.2	86.8	5.0	6.1	6.0	5.8	7.0	6.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
HAWAII	404.6	395.1	398.2	26.0	22.5	22.5	6.4	5.7	5.6
Honolulu	319.5	309.3	312.8	20.6	16.8	16.8	6.4	5.4	5.4
IDAHO	417.5	424.3	410.2	19.3	25.8	28.7	4.6	6.1	7.0
Boise City	88.5	87.3	86.0	3.0	4.8	4.3	3.4	5.5	5.1
ILLINOIS²	5,404.0	5,494.8	5,512.0	296.5	484.7	446.2	5.5	8.8	8.1
Bloomington—Normal	60.9	61.1	61.5	2.0	4.0	3.8	3.3	6.6	6.1
Champaign—Urbana—Rantoul	80.5	83.7	83.7	3.1	4.7	4.4	3.8	5.6	5.3
Chicago	3,390.5	3,419.7	3,448.6	174.0	290.8	263.1	5.1	8.5	7.6
Davenport—Rock Island—Moline ¹	187.1	185.4	184.7	8.2	15.4	13.4	4.4	8.3	7.3
Decatur	61.3	62.1	62.2	6.6	7.3	6.8	10.8	11.8	11.0
Peoria	162.8	177.8	178.2	10.8	15.8	15.0	6.6	8.9	8.4
Rockford	138.9	135.2	133.3	7.7	14.4	17.4	5.6	10.7	13.0
Springfield	96.1	98.4	98.1	5.5	7.0	6.3	5.7	7.1	6.4
INDIANA	2,623.5	2,595.5	2,587.9	170.9	223.3	215.6	6.5	8.6	8.3
Anderson	60.7	55.1	55.2	6.2	6.6	6.1	10.2	12.0	11.0
Evansville ¹	143.9	140.6	140.9	7.3	9.2	9.2	5.1	6.5	6.5
Fort Wayne	193.5	195.3	193.5	9.8	20.2	18.8	5.1	10.3	9.7
Gary—Hammond—East Chicago	295.7	295.0	294.7	24.8	31.1	30.0	8.4	10.5	10.2
Indianapolis	599.7	603.5	605.3	31.9	40.4	39.7	5.3	6.7	6.6
Lafayette—West Lafayette	63.8	63.1	63.1	2.9	3.5	3.3	4.6	5.6	5.2
Muncie	57.3	56.8	56.9	3.9	5.3	5.0	6.8	9.3	8.7
South Bend	142.4	138.7	137.7	8.6	12.2	11.6	6.1	8.8	8.5
Terre Haute	84.4	80.7	81.2	4.3	5.8	6.6	5.1	7.2	8.2
IOWA	1,428.8	1,445.7	1,428.3	49.2	76.7	74.4	3.4	5.3	5.2
Cedar Rapids	89.3	89.6	89.8	2.8	6.1	6.0	3.1	6.8	6.7
Des Moines	183.5	182.6	183.2	6.3	9.5	9.4	3.4	5.2	5.2
Dubuque	45.7	44.5	45.4	2.0	6.5	4.0	4.4	14.6	8.8
Sioux City ¹	54.4	54.2	54.6	2.7	2.9	3.2	5.0	5.3	5.8
Waterloo—Cedar Falls	69.7	70.2	70.6	2.5	4.1	4.1	3.5	5.9	5.9
KANSAS	1,200.0	1,214.0	1,203.2	36.5	53.8	54.3	3.0	4.4	4.5
Topeka	97.4	98.0	97.6	4.1	5.8	5.6	4.2	5.9	5.8
Wichita	234.4	231.2	232.2	6.5	9.6	9.9	2.8	4.2	4.3
KENTUCKY	1,578.7	1,661.1	1,658.7	81.4	130.6	131.8	5.2	7.9	7.9
Lexington—Fayette	170.1	177.7	177.6	5.2	7.4	7.5	3.1	4.2	4.2
Louisville ¹	415.4	432.7	434.8	20.5	32.8	33.5	4.9	7.6	7.7
Owensboro	38.1	40.8	41.9	2.0	3.0	3.0	5.3	7.3	7.1
LOUISIANA	1,689.5	1,759.9	1,743.9	105.9	111.9	107.3	6.3	6.4	6.2
Alexandria	66.5	70.4	68.7	5.2	6.0	5.7	7.9	8.5	8.3
Baton Rouge	205.3	212.8	212.9	12.8	11.9	11.5	6.2	5.6	5.4
Lafayette	74.4	81.1	81.6	3.2	2.8	2.9	4.3	3.4	3.5
Lake Charles	71.2	71.1	71.5	4.4	4.4	4.5	6.2	6.2	6.4
Munroe	53.1	53.6	53.7	3.8	4.7	4.6	7.2	8.7	8.5
New Orleans	473.1	482.2	480.0	27.6	29.9	27.6	5.8	6.2	5.7
Shreveport	152.7	157.2	157.0	8.6	10.7	10.2	5.6	6.8	6.5
MAINE	484.5	504.6	492.8	30.7	35.3	37.8	6.3	7.0	7.7
Lewiston—Auburn	38.7	38.5	38.4	2.1	2.7	2.9	5.5	6.9	7.6
Portland	89.1	90.2	89.7	4.3	5.3	5.6	4.9	5.9	6.3
MARYLAND	2,100.5	2,162.0	2,164.0	121.1	126.0	129.5	5.8	5.8	6.0
Baltimore	1,055.1	1,084.5	1,078.8	65.6	74.5	73.6	6.2	6.9	6.8
MASSACHUSETTS²	2,811.2	2,964.2	2,947.7	133.6	166.7	135.7	4.8	5.6	4.6
Boston	1,372.9	1,454.8	1,454.9	59.3	72.4	58.3	4.3	5.0	4.0
Brockton	78.7	83.5	82.8	4.3	5.7	4.5	5.4	6.8	5.5
Fall River ¹	74.9	78.6	77.5	5.3	5.7	4.7	7.1	7.2	6.1
Lawrence—Haverhill ¹	134.3	142.6	141.4	7.8	9.2	7.6	5.8	6.4	5.4
Lowell	115.7	123.5	122.6	6.2	7.3	5.8	5.4	5.9	4.7
New Bedford	78.0	81.2	80.3	5.9	6.8	5.5	7.6	8.3	6.9
Springfield—Chicopee—Holyoke	268.2	275.8	274.9	10.5	15.9	12.8	3.9	5.8	4.6
Worcester	191.0	201.1	200.9	8.0	10.5	8.3	4.2	5.2	4.1
MICHIGAN²	4,352.9	4,330.3	4,321.5	343.8	525.2	539.8	7.9	12.1	12.5
Ann Arbor	144.6	141.0	144.0	8.5	11.3	11.6	5.9	8.0	8.1

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
MICHIGAN—Continued									
Battle Creek	80.8	81.7	81.1	5.9	9.9	10.5	7.3	12.2	12.9
Bay City	52.6	54.0	53.1	4.2	8.1	7.5	8.0	14.9	14.0
Detroit	2,058.0	2,042.4	2,041.7	171.3	260.2	265.9	8.3	12.7	13.0
Flint	224.1	227.7	229.6	17.9	37.2	34.8	8.0	16.3	15.2
Grand Rapids	314.9	318.5	316.5	16.4	27.2	28.4	5.2	8.6	9.0
Jackson	69.2	66.3	66.8	5.0	8.1	8.4	7.2	12.2	12.6
Kalamazoo—Portage	136.8	137.0	135.5	7.2	12.4	12.4	5.3	9.0	9.2
Lansing—East Lansing	240.5	241.2	241.5	14.3	24.6	25.8	6.0	10.2	10.7
Muskegon—Norton Shores—Muskegon Heights	77.1	79.0	78.7	6.6	11.5	11.9	8.6	14.6	15.2
Saginaw	103.7	102.1	101.0	8.2	13.0	12.2	8.0	12.7	12.1
MINNESOTA									
Duluth—Superior ¹	120.0	117.4	117.8	6.3	11.0	11.7	5.2	9.4	9.9
Minneapolis—St. Paul	1,122.8	1,110.7	1,124.4	36.9	51.6	54.0	3.3	4.6	4.8
MISSISSIPPI									
Jackson	147.7	154.8	153.7	4.9	7.8	7.7	3.3	5.1	5.0
MISSOURI									
Kansas City ¹	695.2	678.1	678.0	27.6	44.8	43.1	4.0	6.6	6.4
St. Joseph	44.8	44.4	44.8	2.3	3.0	3.2	5.1	6.7	7.2
St. Louis ¹	1,088.2	1,084.1	1,077.8	58.2	91.8	85.4	5.3	8.5	7.9
Springfield	104.4	103.5	103.4	3.8	5.8	6.2	3.6	5.6	6.0
MONTANA									
Billings	365.5	366.1	360.7	15.7	19.5	20.9	4.3	5.3	5.8
Great Falls	56.0	54.4	54.2	1.8	2.3	2.2	3.1	4.2	4.1
Lincoln	33.5	32.5	32.6	1.8	2.4	2.4	5.3	7.3	7.4
NEBRASKA									
Lincoln	767.4	766.8	765.4	22.0	29.1	32.6	2.9	3.8	4.3
Omaha ¹	112.6	109.9	111.5	2.8	3.7	3.9	2.5	3.3	3.5
Omaha ¹	279.7	274.6	276.4	11.0	14.7	15.6	3.9	5.3	5.6
NEVADA									
Las Vegas	366.4	377.7	379.1	17.8	24.1	24.5	4.9	6.4	6.5
Reno	201.1	207.9	209.8	11.2	15.6	15.5	5.6	7.5	7.4
Reno	108.1	109.3	109.7	3.8	4.9	5.2	3.5	4.5	4.8
NEW HAMPSHIRE									
Manchester	446.2	458.5	457.9	13.5	20.8	21.1	3.0	4.5	4.6
Nashua	80.2	81.0	81.3	2.4	3.7	3.7	3.0	4.6	4.5
Nashua	72.9	77.2	78.0	2.1	3.1	3.5	2.8	4.1	4.5
NEW JERSEY									
Atlantic City	3,536.8	3,572.9	3,574.2	231.7	241.5	258.0	6.6	6.8	7.2
Jersey City	98.4	104.6	105.2	8.9	6.8	7.6	9.1	6.5	7.2
Jersey City	246.6	244.0	243.9	22.1	23.8	24.4	8.9	9.7	10.0
Long Branch—Asbury Park	222.8	226.5	227.3	15.3	15.0	16.3	6.9	6.6	7.2
Newark	968.8	967.2	966.9	62.8	64.9	67.9	6.5	6.7	7.0
New Brunswick—Perth Amboy—Sayreville	325.6	334.1	333.6	18.6	19.5	20.2	5.7	5.8	6.1
Paterson—Clifton—Passaic	218.8	217.1	217.8	18.3	17.4	18.7	8.3	8.0	8.6
Trenton	160.7	163.5	162.0	7.7	8.9	8.1	4.8	5.5	5.0
Vineland—Millville—Bridgeton	61.3	61.4	61.2	6.1	6.0	7.1	9.9	9.8	11.5
NEW MEXICO									
Albuquerque	544.0	545.9	540.0	34.1	42.5	42.8	6.3	7.8	7.9
Albuquerque	204.5	206.0	204.4	12.4	17.3	16.8	6.1	8.4	8.2
NEW YORK²									
Albany—Schenectady—Troy	8,073.1	7,920.7	7,932.9	559.8	576.6	568.4	6.9	7.3	7.2
Binghamton ¹	383.8	377.8	381.0	21.4	21.8	21.1	5.6	5.8	5.5
Binghamton ¹	143.2	141.0	142.0	9.4	10.0	9.6	6.6	7.1	6.7
Buffalo	592.4	582.6	586.3	44.8	54.4	50.9	7.6	9.3	8.7
Elmira	41.3	40.6	40.8	2.7	3.1	3.1	6.6	7.6	7.5
Nassau—Suffolk	1,315.1	1,293.2	1,303.3	78.5	76.8	74.6	6.0	5.9	5.7
New York	3,635.7	3,541.6	3,529.2	275.3	272.0	269.1	7.6	7.7	7.6
New York City ²	3,016.0	2,922.0	2,902.0	247.0	242.0	241.0	8.2	8.3	8.3
Poughkeepsie	107.9	109.3	109.9	4.8	5.9	5.7	4.4	5.4	5.2
Rochester	480.0	473.0	478.0	25.4	26.3	26.3	5.3	5.6	5.5
Syracuse	314.7	307.5	310.2	18.0	22.0	21.6	5.7	7.1	6.9
Utica—Rome	140.1	138.3	139.1	8.6	10.6	10.5	6.1	7.7	7.6
NORTH CAROLINA									
Asheville	2,703.7	2,749.6	2,725.4	126.1	174.2	177.6	4.7	6.3	6.5
Charlotte—Gastonia	83.2	83.3	82.3	3.2	4.9	4.9	3.9	5.9	5.9
Charlotte—Gastonia	342.3	341.7	339.4	11.9	16.8	16.6	3.5	4.9	4.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
NORTH CAROLINA—Continued									
Greensboro—Winston-Salem—High Point	424.0	427.8	424.6	16.2	25.5	24.4	3.8	6.0	5.8
Raleigh—Durham	293.2	295.1	293.8	9.8	13.0	13.1	3.3	4.4	4.4
NORTH DAKOTA	292.9	301.0	290.4	9.8	12.8	13.9	3.3	4.3	4.8
Fargo—Moorehead ¹	70.6	69.8	70.0	2.6	3.3	3.5	3.7	4.7	5.0
OHIO²	5,069.8	5,215.9	5,126.0	267.5	421.4	452.8	5.3	8.1	8.8
Akron	305.4	312.4	308.6	15.5	25.8	28.0	5.1	8.2	9.1
Canton	186.3	191.6	187.8	10.4	17.4	18.1	5.6	9.1	9.6
Cincinnati ¹	665.1	693.1	682.7	32.0	48.9	52.2	4.8	7.1	7.6
Cleveland	938.9	958.3	945.4	42.7	69.4	76.3	4.5	7.2	8.1
Columbia	549.9	567.3	560.7	20.4	32.9	38.0	3.7	5.8	6.8
Dayton	393.7	401.0	394.2	20.8	27.5	29.5	5.3	6.9	7.5
Toledo ¹	372.6	379.1	375.9	25.9	35.6	38.3	6.9	9.4	10.2
Youngstown—Warren	237.3	243.3	237.9	14.2	26.9	28.6	6.0	11.1	12.0
OKLAHOMA	1,295.1	1,335.5	1,343.3	42.6	67.6	74.0	3.3	5.1	5.5
Oklahoma City	398.0	419.4	423.0	11.5	19.6	21.1	2.9	4.7	5.0
Tulsa	310.7	316.6	319.1	9.6	15.2	16.6	3.1	4.8	5.2
OREGON	1,230.9	1,266.8	1,262.6	83.3	100.6	106.7	6.8	7.9	8.4
Eugene—Springfield	126.6	132.6	132.0	10.6	12.9	13.5	8.4	9.7	10.2
Portland ¹	599.6	616.1	618.5	31.3	39.9	41.1	5.2	6.5	6.6
Salem	116.0	122.1	119.9	7.3	8.1	8.9	6.3	6.7	7.4
PENNSYLVANIA²	5,358.8	5,459.9	5,443.5	368.3	418.6	406.7	6.9	7.7	7.5
Allentown—Bethlehem—Easton ¹	300.3	306.8	306.2	19.3	21.4	20.4	6.4	7.0	6.7
Altoona	59.4	60.5	60.6	5.2	5.9	6.2	8.7	9.8	10.3
Errie	126.3	129.3	127.2	9.4	12.2	11.8	7.5	9.4	9.3
Harrisburg	217.7	224.1	222.0	10.8	13.1	12.5	5.0	5.8	5.6
Johnstown	110.7	112.0	110.1	9.9	14.3	13.4	8.9	12.8	12.2
Lancaster	177.5	181.0	180.1	8.1	9.6	9.7	4.6	5.3	5.4
Northeast Pennsylvania	286.8	291.7	292.1	24.9	27.3	28.7	8.7	9.4	9.8
Philadelphia ¹	2,140.9	2,171.6	2,175.6	140.2	145.5	141.6	6.6	6.7	6.5
Pittsburgh	1,017.9	1,031.4	1,027.5	59.6	75.3	70.9	5.9	7.3	6.9
Reading	153.6	158.5	158.4	8.3	11.1	10.1	5.4	7.0	6.3
Williamsport	53.1	53.5	53.1	6.0	5.8	5.4	11.4	10.9	10.2
York	174.0	179.2	176.5	8.9	11.1	10.6	5.1	6.2	6.0
RHODE ISLAND	450.3	459.2	463.6	26.1	27.0	28.5	5.8	5.9	6.1
Providence—Warwick—Pawtucket ¹	449.1	454.9	458.6	25.7	27.3	27.7	5.7	6.0	6.0
SOUTH CAROLINA	1,314.7	1,350.7	1,340.2	66.2	91.4	92.7	5.0	6.8	6.9
Charleston—North Charleston	155.7	163.1	162.2	7.8	10.9	10.7	5.0	6.7	6.6
Columbia	176.8	182.0	182.7	6.5	8.4	8.4	3.7	4.6	4.6
Greenville—Spartanburg	263.5	266.0	265.4	10.9	15.1	15.4	4.1	5.7	5.8
SOUTH DAKOTA	329.4	336.3	324.7	9.9	16.3	17.9	3.0	4.9	5.5
Sioux Falls	61.3	56.6	55.2	1.3	2.8	3.0	2.2	5.0	5.4
TENNESSEE	2,003.2	2,055.6	2,035.7	111.4	142.5	139.6	5.6	6.9	6.9
Chattanooga ¹	195.3	199.7	198.3	12.0	16.1	15.5	6.1	8.1	7.8
Knoxville	206.3	213.2	212.6	10.0	11.5	11.5	4.8	5.4	5.4
Memphis ¹	388.5	393.2	390.6	20.6	23.1	23.1	5.3	5.9	5.9
Nashville—Davidson	416.3	419.5	417.4	16.0	22.6	22.2	3.8	5.4	5.3
TEXAS²	6,339.5	6,503.5	6,527.0	271.6	283.9	363.7	4.3	4.4	5.6
Amarillo	90.1	90.1	89.8	2.9	3.1	3.9	3.2	3.4	4.4
Austin	251.6	258.2	257.6	7.8	7.9	9.8	3.1	3.1	3.8
Beaumont—Port Arthur—Orange	164.0	165.0	165.4	9.0	9.6	12.4	5.5	5.8	7.5
Corpus Christi	142.6	141.6	141.4	7.5	6.9	8.7	5.3	4.9	6.1
Dallas—Fort Worth	1,505.1	1,581.2	1,582.5	50.6	60.3	74.8	3.4	3.8	4.7
El Paso	172.5	174.4	176.3	14.2	13.9	17.6	8.2	8.0	10.0
Galveston—Texas City	81.3	84.8	85.4	4.0	4.6	6.0	4.9	5.4	7.0
Houston	1,452.6	1,488.1	1,496.5	47.7	51.6	65.9	3.3	3.5	4.4
Lubbock	102.3	101.5	101.3	3.2	3.7	4.4	3.1	3.7	4.3
San Antonio	417.0	426.2	429.1	23.5	22.6	29.3	5.6	5.3	6.8
Waco	79.5	81.2	81.4	3.0	3.5	4.0	3.8	4.3	5.0
Wichita Falls	60.1	61.1	61.5	1.9	1.9	2.5	3.2	3.0	4.0

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P	NOV. 1979	OCT. 1980	NOV. 1980P
UTAH	597.6	605.7	605.0	23.7	37.4	40.1	4.0	6.2	6.6
Salt Lake City—Ogden	396.0	395.4	397.7	15.4	23.8	25.9	3.9	6.0	6.5
VERMONT	241.2	252.6	251.0	11.5	16.1	17.0	4.8	6.4	6.8
VIRGINIA	2,497.3	2,533.3	2,536.0	120.7	128.2	126.4	4.8	5.1	5.0
Lynchburg	78.1	77.6	77.9	3.9	3.9	3.9	5.0	5.0	5.1
Newport News—Hampton	161.9	170.9	170.9	9.1	9.2	9.2	5.6	5.4	5.4
Norfolk—Virginia Beach—Portsmouth ¹	325.0	329.5	329.9	18.0	19.4	18.8	5.5	5.9	5.7
Petersburg—Colonial Heights—Hopewell	58.0	60.7	60.5	3.0	3.8	3.9	5.2	6.2	6.4
Richmond	327.2	332.3	334.3	10.9	11.8	11.9	3.3	3.6	3.6
Roanoke	110.5	112.1	112.7	5.3	5.2	5.0	4.8	4.7	4.4
WASHINGTON	1,909.6	1,905.2	1,895.6	129.1	141.5	148.5	6.8	7.4	7.8
Seattle—Everett	848.8	839.3	844.6	45.0	54.0	53.5	5.3	6.4	6.3
Spokane	152.2	145.2	146.6	10.5	10.7	11.7	6.9	7.4	8.0
Tacoma	176.6	169.7	170.3	13.6	14.3	14.5	7.7	8.4	8.5
WEST VIRGINIA	762.1	772.9	775.1	47.8	66.5	69.9	6.3	8.6	9.0
Charleston	129.5	130.8	130.9	5.2	9.4	9.7	4.0	7.2	7.4
Huntington—Ashland ¹	126.8	130.0	128.9	7.0	11.2	11.4	5.5	8.6	8.8
Parkersburg—Marietta ¹	72.2	71.8	71.8	3.6	5.9	6.8	5.0	8.3	9.5
Wheeling ¹	82.0	82.9	82.3	5.1	7.6	7.4	6.2	9.2	8.9
WISCONSIN	2,423.0	2,369.1	2,367.8	110.6	153.3	160.9	4.6	6.5	6.8
Appleton—Oshkosh	156.1	151.7	151.6	6.7	9.8	10.5	4.3	6.5	6.9
Eau Claire	59.7	57.9	58.1	5.3	3.0	3.4	8.9	5.2	5.8
Green Bay	89.9	89.6	90.0	4.3	5.2	6.0	4.8	5.8	6.7
Kenosha	65.4	61.4	63.2	2.7	3.9	5.3	4.1	6.4	8.4
La Crosse	47.0	46.9	47.4	1.8	2.5	2.9	3.8	5.3	6.0
Madison	187.1	187.4	188.6	6.4	7.7	8.3	3.4	4.1	4.4
Milwaukee	741.5	729.6	731.3	28.8	45.0	46.6	3.9	6.2	6.4
Racine	89.4	86.9	87.0	4.3	7.3	7.7	4.8	8.4	8.9
WYOMING	230.0	234.7	234.5	6.9	8.9	10.6	3.0	3.8	4.5

¹ Includes interstate portion of area located in adjacent State.

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

NOTE: Estimates for 1979 have been benchmarked to 1979 Current Population Survey annual averages. Except in the 10 States and 2 areas designated by footnote 2, estimates for 1980 are pro-

visional and will be revised when new benchmark information becomes available. Data refer to place of residence.

preliminary.

N.A.—not available.

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

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service. When ordering, please specify "CETA Area Employment and Unemployment," "State, County, and Selected City Employment and Unemployment," and "Unemployment Rates for State and Local Governments." A complete set of price schedules and publications is available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
1978 ¹	161,058	102,537	63.7	100,420	94,373	3,342	91,031	6,047	6.0	58,521
1979.....	163,620	104,996	64.2	102,908	96,945	3,297	93,648	5,963	5.8	58,623
1980.....	166,246	106,821	63.8	104,719	97,270	3,310	93,960	7,448	7.1	59,425

¹ Not available.

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

Comparability" under Household Data section of Explanatory Notes.

HOUSEHOLD DATA HISTORICAL

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

[Numbers in thousands]

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

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

HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	62,088	78.0	60,145	55,988	4,157	6.9	17,554	378	3,706	1,661	11,810
16 to 21 years	8,723	68.9	8,078	6,722	1,355	16.8	3,539	21	3,031	30	857
16 to 19 years	5,191	62.0	4,912	4,016	896	18.2	3,181	16	2,500	15	650
16 to 17 years	2,069	50.4	2,051	1,631	419	20.4	2,041	8	1,646	6	380
18 to 19 years	3,121	73.2	2,861	2,384	477	16.7	1,140	8	854	8	270
20 to 64 years	55,021	89.6	53,357	50,153	3,203	6.0	6,411	175	1,203	1,191	3,842
20 to 24 years	9,022	87.0	8,287	7,254	1,033	12.5	1,347	14	881	44	407
25 to 54 years	38,833	94.4	37,905	35,975	1,930	5.1	2,321	94	314	632	1,282
25 to 29 years	8,793	94.7	8,431	7,753	678	8.0	494	12	194	48	240
30 to 34 years	8,150	96.2	7,896	7,480	416	5.3	319	16	60	71	173
35 to 39 years	6,530	96.0	6,342	6,066	276	4.4	271	15	23	82	152
40 to 44 years	5,371	95.1	5,285	5,086	198	3.8	277	13	15	91	158
45 to 49 years	4,993	93.3	4,964	4,768	196	3.9	359	16	12	125	206
50 to 54 years	4,996	89.3	4,989	4,823	165	3.3	601	22	10	215	353
55 to 64 years	7,165	72.3	7,164	6,924	240	3.4	2,743	67	8	515	2,153
55 to 59 years	4,398	81.9	4,397	4,254	143	3.2	575	29	6	264	676
60 to 64 years	2,767	61.0	2,767	2,670	98	3.5	1,769	38	2	251	1,478
65 years and over	1,877	19.1	1,877	1,819	58	3.1	7,962	187	2	455	7,317
65 to 69 years	1,090	28.5	1,090	1,051	39	3.6	2,732	53	2	158	2,519
70 years and over	787	13.1	787	768	19	2.4	5,230	134	--	297	4,799
White											
16 years and over	55,133	78.8	53,627	50,337	3,289	6.1	14,868	298	2,940	1,329	10,302
16 to 21 years	7,639	71.2	7,155	6,093	1,062	14.8	3,063	12	2,394	25	652
16 to 19 years	4,586	64.9	4,375	3,666	709	16.2	2,479	10	1,952	13	502
16 to 17 years	1,856	53.8	1,841	1,501	340	18.5	1,552	5	1,282	5	259
18 to 19 years	2,730	75.5	2,534	2,165	369	14.6	887	5	671	8	203
20 to 64 years	48,843	90.3	47,548	45,010	2,538	5.3	5,242	128	984	947	3,185
20 to 24 years	7,815	87.9	7,267	6,462	805	11.1	1,075	8	738	33	296
25 to 54 years	34,473	95.1	33,727	32,198	1,528	4.5	1,776	67	240	491	979
25 to 29 years	14,930	96.0	14,445	13,586	860	6.0	614	21	200	95	258
30 to 34 years	10,606	96.3	10,377	10,000	377	3.6	404	19	27	127	231
35 to 44 years	8,937	92.2	8,905	8,613	292	3.3	758	27	14	268	449
55 to 64 years	6,554	73.3	6,553	6,349	204	3.1	2,391	53	5	423	1,910
55 to 59 years	4,018	83.0	4,017	3,895	122	3.0	823	21	4	217	581
60 to 64 years	2,536	61.8	2,536	2,454	82	3.2	1,569	32	2	206	1,329
65 years and over	1,704	19.3	1,704	1,661	43	2.5	7,147	160	2	369	6,615
Black and other											
16 years and over	6,955	72.1	6,518	5,651	868	13.3	2,686	80	766	331	1,508
16 to 21 years	1,084	55.9	922	630	293	31.7	856	9	638	5	204
16 to 19 years	605	46.3	536	349	187	34.9	702	6	547	1	148
16 to 17 years	213	32.2	210	131	79	37.7	448	3	364	1	81
18 to 19 years	392	60.7	327	219	108	33.0	253	3	183	--	67
20 to 64 years	6,178	84.1	5,809	5,143	666	11.5	1,169	47	219	245	658
20 to 24 years	1,207	81.6	1,020	792	228	22.3	272	6	142	12	111
25 to 54 years	4,360	88.9	4,178	3,777	402	9.6	545	27	74	141	303
25 to 29 years	2,013	91.0	1,881	1,647	235	12.5	159	6	54	24	115
30 to 34 years	1,295	90.0	1,249	1,152	97	7.8	144	9	11	45	79
35 to 44 years	1,052	83.9	1,047	978	69	6.6	202	12	8	72	110
55 to 64 years	611	63.5	611	575	36	6.0	352	14	3	92	243
55 to 59 years	380	71.4	380	359	21	5.6	152	8	2	47	95
60 to 64 years	231	53.6	231	216	15	6.7	200	6	1	45	149
65 years and over	173	17.5	173	158	15	8.8	815	28	--	85	702

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

[Numbers in thousands]

Sex, age, and race	1980										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	44,733	51.7	44,574	41,283	3,291	7.4	41,871	31,709	3,716	1,102	5,344
16 to 21 years	7,212	58.2	7,149	6,086	1,063	14.9	5,181	1,371	3,025	18	765
16 to 19 years	4,358	53.3	4,331	3,587	744	17.2	3,819	679	2,529	9	603
16 to 17 years	1,740	43.8	1,739	1,399	340	19.5	2,234	205	1,660	2	367
18 to 19 years	2,618	62.3	2,592	2,188	404	15.6	1,565	474	665	7	235
20 to 64 years	39,230	60.9	39,099	36,588	2,511	6.4	25,143	21,321	1,178	512	2,132
20 to 24 years	7,170	69.2	7,093	6,360	733	10.3	3,187	2,054	776	24	333
25 to 54 years	27,468	64.0	27,415	25,787	1,628	5.9	15,473	13,805	390	262	1,017
25 to 29 years	6,321	66.8	6,283	5,783	500	8.0	3,145	2,750	161	26	268
30 to 34 years	5,565	64.1	5,558	5,206	352	6.3	3,121	2,818	101	28	174
35 to 39 years	4,641	64.9	4,638	4,372	266	5.7	2,507	2,260	62	32	153
40 to 44 years	3,964	66.1	3,963	3,769	194	4.9	2,031	1,838	33	35	126
45 to 49 years	3,505	62.1	3,504	3,338	166	4.7	2,141	1,920	23	52	146
50 to 54 years	3,469	57.8	3,468	3,316	150	4.3	2,528	2,218	11	89	210
55 to 64 years	4,591	41.5	4,591	4,441	150	3.3	6,483	5,462	12	226	783
55 to 59 years	2,871	48.6	2,870	2,772	98	3.4	3,039	2,611	6	117	303
60 to 64 years	1,721	33.3	1,721	1,668	52	3.0	3,444	2,851	4	109	479
65 years and over	1,144	8.1	1,144	1,108	36	3.1	12,509	9,709	5	582	2,609
65 to 69 years	721	15.1	721	694	27	3.8	4,046	3,225	4	110	707
70 years and over	423	4.6	423	414	9	2.0	8,863	6,484	5	471	1,502
White											
16 years and over	38,662	51.4	38,544	36,043	2,501	6.5	36,618	28,316	2,885	849	4,568
16 to 21 years	6,347	61.0	6,301	5,504	798	12.7	4,061	1,088	2,365	11	593
16 to 19 years	3,878	56.6	3,858	3,289	570	14.8	2,977	536	1,563	5	473
16 to 17 years	1,569	47.3	1,568	1,297	271	17.3	1,749	160	1,254	2	293
18 to 19 years	2,309	65.3	2,290	1,991	299	13.0	1,228	376	665	4	179
20 to 64 years	33,770	60.6	33,672	31,771	1,901	5.6	21,933	18,857	914	380	1,782
20 to 24 years	6,191	70.8	6,134	5,611	523	8.5	2,549	1,676	605	18	250
25 to 54 years	23,503	63.5	23,462	22,210	1,252	5.3	13,531	12,196	258	191	845
25 to 29 years	10,053	64.8	10,017	9,389	628	6.3	5,459	4,514	152	43	308
30 to 34 years	7,385	65.1	7,381	7,016	365	4.9	3,568	3,611	77	46	234
35 to 44 years	6,066	59.6	6,065	5,805	259	4.3	4,104	3,671	28	102	303
55 to 64 years	4,076	41.0	4,076	3,949	126	3.1	5,854	4,985	11	171	687
55 to 59 years	2,543	48.1	2,543	2,461	82	3.2	2,742	2,381	7	91	264
60 to 64 years	1,533	33.0	1,533	1,489	44	2.9	3,111	2,604	4	80	423
65 years and over	1,014	8.0	1,014	984	30	2.9	11,708	8,923	8	464	2,313
Black and other											
16 years and over	6,071	53.6	6,029	5,239	790	13.1	5,253	3,392	831	253	776
16 to 21 years	864	43.6	848	582	265	31.3	1,120	283	660	6	172
16 to 19 years	480	36.3	473	296	174	36.9	642	143	566	3	130
16 to 17 years	171	26.1	171	102	69	40.4	485	44	367	--	74
18 to 19 years	309	46.4	302	196	105	34.9	357	99	200	3	56
20 to 64 years	5,460	63.0	5,427	4,817	610	11.2	3,211	2,464	264	132	351
20 to 24 years	979	60.5	959	750	210	21.8	639	378	171	7	83
25 to 54 years	3,965	67.1	3,952	3,576	376	9.5	1,942	1,609	92	69	172
25 to 29 years	1,637	69.5	1,625	1,600	224	12.3	807	655	68	11	74
30 to 34 years	1,220	68.2	1,220	1,125	95	7.8	570	487	17	20	45
35 to 44 years	908	61.7	908	851	57	6.3	565	467	7	39	52
55 to 64 years	515	45.0	515	491	24	4.7	629	477	1	56	95
55 to 59 years	328	52.5	328	312	16	4.9	297	230	1	27	39
60 to 64 years	187	36.0	187	179	8	4.2	332	247	--	29	56
65 years and over	130	9.8	130	124	6	4.7	1,200	786	1	118	295

HOUSEHOLD DATA ANNUAL AVERAGES

4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1979	1980	1979	1980	1979	1980	1979	1980
MALES								
16 years and over	61,466	62,088	78.4	78.0	59,517	60,145	77.9	77.4
16 to 19 years	5,309	5,191	63.0	62.0	5,031	4,912	61.7	60.7
16 to 17 years	2,160	2,069	51.8	50.4	2,145	2,051	51.6	50.1
18 to 19 years	3,149	3,121	73.9	73.2	2,886	2,861	72.1	71.5
20 to 24 years	8,983	9,022	87.6	87.0	8,239	8,287	86.6	86.0
25 to 54 years	38,105	38,833	94.5	94.4	37,180	37,905	94.4	94.2
25 to 34 years	16,402	16,943	95.6	95.4	15,792	16,327	95.4	95.3
35 to 44 years	11,615	11,901	95.9	95.6	11,337	11,626	95.8	95.5
45 to 54 years	10,088	9,989	91.5	91.2	10,051	9,952	91.4	91.2
55 to 64 years	7,141	7,165	73.0	72.3	7,140	7,164	73.0	72.3
55 to 59 years	4,404	4,398	82.2	81.9	4,403	4,397	82.2	81.9
60 to 64 years	2,737	2,767	61.8	61.0	2,737	2,767	61.8	61.0
65 years and over	1,928	1,877	20.0	19.1	1,928	1,877	20.0	19.1
White								
16 years and over	54,613	55,133	79.1	78.8	53,074	53,627	78.6	78.3
16 to 19 years	4,705	4,586	65.9	64.9	4,452	4,375	64.8	63.8
16 to 17 years	1,950	1,856	55.5	53.8	1,937	1,841	55.3	53.6
18 to 19 years	2,755	2,730	75.9	75.5	2,555	2,534	74.5	74.1
20 to 24 years	7,795	7,815	88.4	87.9	7,225	7,267	87.6	87.1
25 to 54 years	33,860	34,473	95.2	95.1	33,105	33,727	95.1	95.0
25 to 34 years	14,489	14,930	96.2	96.0	14,001	14,445	96.1	95.9
35 to 44 years	10,345	10,606	96.5	96.3	10,111	10,377	96.4	96.2
45 to 54 years	9,027	8,937	92.2	92.2	8,954	8,905	92.2	92.2
55 to 64 years	6,512	6,554	73.6	73.3	6,511	6,553	73.6	73.3
55 to 59 years	4,010	4,018	83.1	83.0	4,009	4,017	83.1	83.0
60 to 64 years	2,503	2,536	62.3	61.8	2,503	2,536	62.3	61.8
65 years and over	1,740	1,704	20.1	19.3	1,740	1,704	20.1	19.3
Black and other								
16 years and over	6,852	6,955	73.2	72.1	6,443	6,518	71.9	70.8
16 to 19 years	604	605	46.7	46.3	539	536	43.9	43.3
16 to 17 years	211	213	32.0	32.2	206	210	31.7	31.5
18 to 19 years	393	392	61.9	60.7	331	327	57.8	56.3
20 to 24 years	1,188	1,207	82.5	81.6	1,013	1,020	80.1	78.9
25 to 54 years	4,245	4,360	89.7	88.9	4,075	4,178	89.3	88.5
25 to 34 years	1,912	2,013	91.1	91.0	1,791	1,881	90.6	90.4
35 to 44 years	1,270	1,295	91.1	90.0	1,226	1,249	90.9	89.7
45 to 54 years	1,062	1,052	85.6	83.9	1,057	1,047	85.5	83.5
55 to 64 years	629	611	66.9	63.5	628	611	66.9	63.5
55 to 59 years	394	380	74.6	71.4	394	380	74.6	71.4
60 to 64 years	234	231	57.1	53.6	234	231	57.1	53.6
65 years and over	188	173	19.6	17.5	188	173	19.6	17.5

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1979	1980	1979	1980	1979	1980	1979	1980
FEMALES								
16 years and over	4,353.1	4,473.3	51.1	51.7	4,339.1	4,457.4	51.0	51.6
16 to 19 years	4,504	4,358	54.6	53.3	4,481	4,331	54.5	53.1
16 to 17 years	1,849	1,740	45.8	43.8	1,848	1,739	45.8	43.6
18 to 19 years	2,655	2,618	63.1	62.3	2,633	2,592	62.9	62.1
20 to 24 years	7,100	7,170	69.3	69.2	7,029	7,093	69.1	69.0
25 to 54 years	26,202	27,468	62.3	64.0	26,156	27,415	62.2	63.9
25 to 34 years	11,208	11,890	63.9	65.5	11,167	11,842	63.8	65.4
35 to 44 years	8,134	8,605	63.6	65.5	8,130	8,601	63.6	65.5
45 to 54 years	6,861	6,973	58.4	59.9	6,860	6,972	58.4	59.9
55 to 64 years	4,579	4,591	41.9	41.5	4,579	4,591	41.9	41.5
55 to 59 years	2,868	2,871	48.7	48.6	2,868	2,870	48.7	48.6
60 to 64 years	1,711	1,721	33.9	33.3	1,711	1,721	33.9	33.3
65 years and over	1,145	1,144	8.3	8.1	1,145	1,144	8.3	8.1
White								
16 years and over	37,635	38,662	50.7	51.4	37,528	38,544	50.6	51.3
16 to 19 years	4,001	3,878	57.7	56.6	3,983	3,858	57.6	56.4
16 to 17 years	1,661	1,569	49.1	47.3	1,660	1,568	49.1	47.3
18 to 19 years	2,340	2,309	65.9	65.3	2,323	2,290	65.8	65.1
20 to 24 years	6,121	6,191	70.7	70.8	6,067	6,134	70.5	70.6
25 to 54 years	22,418	23,503	61.6	63.5	22,382	23,462	61.6	63.4
25 to 34 years	9,467	10,053	63.0	64.8	9,436	10,017	62.9	64.7
35 to 44 years	6,966	7,385	63.0	65.1	6,963	7,381	63.0	65.0
45 to 54 years	5,985	6,066	58.1	59.6	5,984	6,065	58.1	59.6
55 to 64 years	4,087	4,076	41.6	41.0	4,087	4,076	41.6	41.0
55 to 59 years	2,556	2,543	48.5	48.1	2,556	2,543	48.5	48.1
60 to 64 years	1,531	1,533	33.6	33.0	1,531	1,533	33.6	33.0
65 years and over	1,008	1,014	8.1	8.0	1,008	1,014	8.1	8.0
Black and other								
16 years and over	5,895	6,071	53.6	53.6	5,863	6,029	53.5	53.4
16 to 19 years	503	480	38.2	36.3	497	473	38.0	35.9
16 to 17 years	188	171	28.7	26.1	188	171	28.7	26.0
18 to 19 years	315	309	47.7	46.4	309	302	47.3	45.8
20 to 24 years	978	979	61.9	60.5	962	959	61.6	60.0
25 to 54 years	3,785	3,565	66.4	67.1	3,774	3,952	66.3	67.1
25 to 34 years	1,741	1,837	69.1	69.5	1,731	1,825	69.0	69.3
35 to 44 years	1,168	1,220	67.5	68.2	1,167	1,220	67.5	68.1
45 to 54 years	876	508	60.3	61.7	876	908	60.3	61.7
55 to 64 years	492	515	44.3	45.0	492	515	44.3	45.0
55 to 59 years	312	328	50.5	52.5	312	328	50.5	52.5
60 to 64 years	180	187	36.4	36.0	180	187	36.4	36.0
65 years and over	137	130	10.6	9.8	137	130	10.6	9.8

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5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	1980						Not in labor force	
	Civilian labor force					Total		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			Percent of labor force
TOTAL								
16 years and over	10,597	9,098	201	8,897	1,495	14.1	6,827	
16 to 19 years	663	530	18	512	333	38.6	1,368	
16 to 17 years	321	189	9	179	132	41.2	834	
18 to 19 years	542	341	9	332	201	37.0	533	
20 to 24 years	1,700	1,299	25	1,274	401	23.6	766	
25 to 54 years	6,802	6,107	117	5,990	654	10.2	2,060	
25 to 34 years	3,087	2,678	37	2,641	409	13.3	795	
35 to 44 years	2,076	1,904	44	1,860	172	8.3	607	
45 to 54 years	1,638	1,525	36	1,489	113	6.9	656	
55 to 64 years	569	917	23	894	52	5.4	874	
55 to 59 years	606	574	12	562	32	5.2	393	
60 to 64 years	363	343	12	331	20	5.6	481	
65 years and over	263	244	17	227	18	7.0	1,759	
Males								
16 years and over	5,490	4,704	173	4,531	786	14.3	2,318	
16 to 19 years	462	289	16	274	173	37.4	617	
16 to 17 years	179	108	8	99	71	39.7	359	
18 to 19 years	283	182	8	174	102	36.0	217	
20 to 24 years	872	665	21	644	207	23.7	220	
25 to 54 years	3,494	3,133	98	3,035	361	10.3	465	
25 to 34 years	1,560	1,351	31	1,320	209	13.4	156	
35 to 44 years	1,052	965	35	930	88	8.4	128	
45 to 54 years	881	817	33	785	64	7.3	181	
55 to 64 years	519	487	21	466	32	6.2	319	
55 to 59 years	322	303	12	291	15	5.9	137	
60 to 64 years	197	184	10	173	13	6.6	183	
65 years and over	142	129	16	113	12	8.5	656	
Females								
16 years and over	5,107	4,394	28	4,366	713	14.0	4,509	
16 to 19 years	401	241	2	238	160	39.5	751	
16 to 17 years	142	81	1	80	61	42.7	435	
18 to 19 years	259	159	1	158	99	38.4	316	
20 to 24 years	828	634	4	630	194	23.4	546	
25 to 54 years	3,308	2,974	19	2,955	333	10.1	1,595	
25 to 34 years	1,527	1,327	6	1,321	200	13.1	635	
35 to 44 years	1,024	939	9	930	84	6.2	479	
45 to 54 years	757	708	3	704	49	6.5	477	
55 to 64 years	450	430	2	428	20	4.4	555	
55 to 59 years	284	271	--	271	13	4.5	256	
60 to 64 years	166	159	2	158	7	4.2	298	
65 years and over	121	115	1	114	6	4.8	1,063	

NOTE: In the 1970 census, black workers constituted about 89 percent of the "black and other" population group.

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

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL								
Total noninstitutional population	163,620	166,246	69,964	71,271	76,976	78,426	16,681	16,549
Total labor force	104,996	106,821	56,157	56,898	39,026	40,374	9,813	9,549
Percent of population	64.2	64.3	80.3	79.8	50.7	51.5	58.8	57.7
Civilian labor force	102,908	104,719	54,486	55,234	38,910	40,243	9,512	9,242
Employed	96,945	97,270	52,264	51,972	36,698	37,696	7,984	7,663
Agriculture	3,297	3,310	2,350	2,355	591	575	356	380
Nonagricultural industries	93,648	93,960	49,913	49,617	36,107	37,120	7,628	7,223
Unemployed	5,963	7,448	2,223	3,261	2,213	2,547	1,528	1,640
Percent of labor force	5.8	7.1	4.1	5.9	5.7	6.3	16.1	17.7
Not in labor force	58,623	59,425	13,607	14,373	37,949	38,052	6,867	7,000
White								
Total noninstitutional population	143,260	145,281	61,892	62,936	67,296	68,425	14,072	13,920
Total labor force	92,249	93,795	49,908	50,547	33,634	34,784	8,707	8,464
Percent of population	64.4	64.6	80.6	80.3	50.0	50.8	61.9	60.8
Civilian labor force	90,602	92,171	48,583	49,252	33,545	34,686	8,475	8,233
Employed	86,025	86,380	46,854	46,671	31,876	32,755	7,295	6,955
Agriculture	2,999	3,052	2,122	2,154	546	540	332	358
Nonagricultural industries	83,026	83,329	44,733	44,517	31,330	32,215	6,963	6,597
Unemployed	4,577	5,790	1,728	2,581	1,669	1,931	1,181	1,278
Percent of labor force	5.1	6.3	3.6	5.2	5.0	5.6	13.9	15.5
Not in labor force	51,011	51,486	11,984	12,389	33,662	33,641	5,365	5,456
Black and other								
Total noninstitutional population	20,359	20,964	8,071	8,335	9,680	10,001	2,609	2,629
Total labor force	12,747	13,026	6,249	6,351	5,392	5,590	1,106	1,085
Percent of population	62.6	62.1	77.4	76.2	55.7	55.9	42.4	41.3
Civilian labor force	12,306	12,548	5,904	5,982	5,366	5,557	1,036	1,009
Employed	10,920	10,890	5,409	5,301	4,822	4,941	689	648
Agriculture	298	258	229	201	45	36	24	22
Nonagricultural industries	10,622	10,632	5,180	5,101	4,777	4,905	665	626
Unemployed	1,386	1,658	495	681	544	616	347	361
Percent of labor force	11.3	13.2	8.4	11.4	10.1	11.1	33.5	35.8
Not in labor force	7,612	7,939	1,823	1,984	4,287	4,411	1,502	1,544

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

[Numbers in thousands]

Employment status and major activity	1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,055	12,662	12,393	21,130	10,722	10,408	3,924	1,939	1,985
Total labor force	15,935	8,723	7,212	13,986	7,639	6,347	1,948	1,084	864
Percent of population	63.6	68.9	58.2	66.2	71.2	61.0	49.6	55.9	43.6
Civilian labor force	15,227	8,078	7,149	13,457	7,155	6,301	1,770	922	848
Employed	12,808	6,722	6,086	11,596	6,093	5,504	1,212	630	582
Agriculture	534	438	97	501	409	92	34	28	5
Nonagricultural industries	12,274	6,285	5,989	11,095	5,683	5,412	1,178	601	577
Unemployed	2,419	1,355	1,063	1,860	1,062	798	558	293	265
Looking for full-time work	1,621	936	685	1,230	731	499	391	205	186
Looking for part-time work	798	419	379	630	331	299	168	88	80
Percent of labor force	15.9	16.8	14.9	13.8	14.8	12.7	31.5	31.7	31.3
Not in labor force	9,120	3,939	5,181	7,144	3,083	4,061	1,976	856	1,120
Major activity: going to school									
Civilian labor force	3,362	1,764	1,598	3,011	1,580	1,431	352	184	168
Employed	2,719	1,402	1,317	2,517	1,303	1,213	203	99	104
Agriculture	110	90	20	106	87	19	4	3	1
Nonagricultural industries	2,609	1,312	1,297	2,411	1,217	1,194	199	96	103
Unemployed	643	361	281	494	277	217	149	85	64
Looking for full-time work	101	54	47	68	36	32	34	19	15
Looking for part-time work	541	307	234	426	241	185	115	66	49
Percent of labor force	19.1	20.5	17.6	16.4	17.5	15.2	42.4	46.2	38.2
Not in labor force	6,060	3,031	3,029	4,762	2,394	2,369	1,298	638	660
Major activity: other									
Civilian labor force	11,864	6,314	5,551	10,446	5,575	4,871	1,418	739	680
Employed	10,089	5,320	4,769	9,080	4,789	4,290	1,009	531	478
Agriculture	424	348	77	395	323	72	30	25	5
Nonagricultural industries	9,664	4,972	4,692	8,685	4,467	4,218	980	506	474
Unemployed	1,776	994	782	1,366	786	580	409	208	201
Looking for full-time work	1,520	882	637	1,163	696	467	357	187	170
Looking for part-time work	256	112	144	204	90	113	52	21	31
Percent of labor force	15.0	15.7	14.1	13.1	14.1	11.9	28.9	28.2	29.6
Not in labor force	3,060	907	2,153	2,382	689	1,692	678	218	460

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

[Numbers in thousands]

Sex, age, and race	1980								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	89,346	79,024	4,214	6,108	6.8	15,373	14,032	1,341	8.7
16 to 21 years	9,847	7,100	1,125	1,621	16.5	5,380	4,582	798	14.8
16 to 19 years	4,933	3,249	734	950	19.3	4,309	3,620	689	16.0
16 to 17 years	1,114	567	272	275	24.7	2,676	2,191	484	18.1
18 to 19 years	3,819	2,682	462	675	17.7	1,633	1,428	205	12.6
20 years and over	84,412	75,774	3,481	5,158	6.1	11,064	10,413	651	5.9
20 to 24 years	13,316	10,510	839	1,567	11.8	2,664	1,866	198	5.6
25 years and over	71,096	64,665	2,642	3,591	5.1	9,000	8,546	453	5.0
25 to 54 years	59,199	53,851	2,136	3,212	5.4	6,121	5,773	347	5.7
55 years and over	11,897	11,013	506	379	3.2	2,679	2,773	106	3.7
Males, 16 years and over	55,194	49,542	2,046	3,607	6.5	4,951	4,401	550	11.1
16 to 21 years	5,477	3,990	551	936	17.1	2,600	2,181	419	16.1
16 to 19 years	2,771	1,882	363	526	19.7	2,140	1,771	370	17.3
20 years and over	52,423	47,660	1,683	3,081	5.9	2,810	2,630	180	6.4
20 to 24 years	7,468	6,093	420	955	12.8	1,819	741	78	9.5
25 years and over	44,956	41,567	1,263	2,127	4.7	1,991	1,889	103	5.2
25 to 54 years	37,147	34,260	1,008	1,879	5.1	1,759	1,707	52	6.9
55 years and over	7,809	7,307	255	248	3.2	1,232	1,182	51	4.1
Females, 16 years and over	34,151	29,482	2,169	2,530	7.3	10,422	9,632	791	7.6
16 to 21 years	4,369	3,110	574	685	15.7	2,780	2,401	379	13.6
16 to 19 years	2,162	1,367	371	424	19.6	2,169	1,849	320	14.7
20 years and over	31,589	28,115	1,798	2,077	6.5	8,253	7,783	471	5.7
20 to 24 years	5,848	4,817	418	612	10.5	1,245	1,125	120	5.7
25 years and over	26,141	23,298	1,380	1,464	5.6	7,008	6,658	351	5.0
25 to 54 years	22,053	19,551	1,129	1,333	6.0	5,362	5,066	295	5.5
55 years and over	4,088	3,746	251	131	3.2	1,647	1,591	56	3.4
White									
Males, 16 years and over	49,211	44,628	1,730	2,853	5.8	4,416	3,979	437	9.9
16 to 21 years	4,830	3,631	468	731	15.1	2,325	1,994	331	14.2
16 to 19 years	2,463	1,377	310	416	16.9	1,913	1,620	293	15.3
20 years and over	46,749	42,891	1,421	2,437	5.2	2,503	2,359	144	5.7
20 to 24 years	6,541	5,443	356	742	11.3	726	663	63	8.7
25 years and over	40,207	37,447	1,065	1,695	4.2	1,777	1,696	80	4.5
25 to 54 years	33,072	30,735	846	1,489	4.5	655	616	39	6.0
55 years and over	7,135	6,712	218	206	2.9	1,121	1,080	41	3.7
Females, 16 years and over	29,076	25,429	1,792	1,855	6.4	9,468	8,822	646	6.8
16 to 21 years	3,790	2,787	504	499	13.2	2,511	2,213	299	11.9
16 to 19 years	1,899	1,249	332	319	16.8	1,955	1,708	251	12.8
20 years and over	27,177	24,180	1,460	1,536	5.7	7,509	7,114	395	5.3
20 to 24 years	5,009	4,230	352	427	8.5	1,125	1,026	96	8.5
25 years and over	22,168	19,949	1,109	1,108	5.0	6,385	6,086	299	4.7
25 to 54 years	18,531	16,620	911	998	5.4	4,533	4,679	254	5.1
55 years and over	3,638	3,329	198	110	3.0	1,452	1,407	45	3.1
Black and other									
Males, 16 years and over	5,983	4,914	315	754	12.6	535	422	114	21.2
16 to 21 years	647	359	83	205	31.7	275	188	88	31.9
16 to 19 years	309	145	53	110	35.8	228	151	77	33.7
20 years and over	5,675	4,769	262	644	11.3	306	271	37	12.0
20 to 24 years	927	650	64	213	23.0	93	79	14	15.5
25 years and over	4,748	4,119	198	431	9.1	215	191	22	10.2
25 to 54 years	4,075	3,525	162	389	9.5	103	90	13	12.6
55 years and over	673	594	36	42	6.2	112	101	10	8.9
Females, 16 years and over	5,075	4,053	376	646	12.7	554	810	145	15.1
16 to 21 years	579	323	70	186	32.0	268	189	80	29.7
16 to 19 years	263	118	39	105	40.1	210	141	69	32.7
20 years and over	4,813	3,935	338	540	11.2	744	669	76	10.2
20 to 24 years	839	587	67	185	22.1	120	96	24	20.3
25 years and over	3,974	3,348	271	355	8.9	624	573	51	8.2
25 to 54 years	3,523	2,971	218	334	9.5	429	387	42	5.8
55 years and over	451	377	53	21	4.7	195	185	9	4.6

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

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9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	1980									
	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	104,719	63.8	97,270	7,448	7.1	59,425	32,087	7,422	2,763	17,153
Husbands	39,083	81.0	37,505	1,578	4.0	9,155	144	166	1,036	7,809
With employed wife	20,940	91.9	20,171	769	3.7	1,841	41	91	355	1,354
With unemployed wife	1,239	92.3	1,084	155	12.5	104	2	6	27	68
With wife not in labor force	16,904	70.1	16,249	654	3.9	7,210	100	69	654	6,387
Wives	24,124	50.0	22,781	1,343	5.6	24,114	21,742	275	293	1,804
With employed husband	21,255	56.7	20,171	1,084	5.1	16,249	15,097	229	98	825
With unemployed husband	924	58.5	769	155	16.8	654	604	10	8	32
With husband not in labor force	1,945	21.2	1,841	104	5.3	7,210	6,040	36	187	947
Relatives in married-couple families	13,154	62.9	11,358	1,796	13.7	7,758	874	4,721	303	1,859
16 to 19 years	6,271	57.3	5,309	962	15.3	4,681	173	3,659	15	835
20 to 24 years	4,704	76.1	4,118	586	12.5	1,477	145	973	35	324
25 years and over	2,179	57.7	1,931	248	11.4	1,600	556	89	253	700
Females who maintain families	5,156	58.7	4,686	470	9.1	3,622	2,848	118	157	498
Relatives in families maintained by females	4,382	56.6	3,510	873	19.9	3,360	821	1,312	247	980
16 to 19 years	1,436	49.9	1,031	405	28.2	1,439	114	1,024	6	296
20 to 24 years	1,316	71.7	1,051	265	20.1	520	117	237	20	145
25 years and over	1,630	53.8	1,428	203	12.5	1,401	590	51	221	539
Males who maintain families	1,761	76.7	1,643	118	6.7	534	22	32	69	412
Relatives in families maintained by males	1,361	57.9	1,161	200	14.7	990	439	225	67	260
16 to 19 years	314	57.5	239	75	23.8	232	30	153	1	48
20 to 24 years	414	78.3	351	63	15.2	115	31	57	3	24
25 years and over	633	49.6	571	62	9.8	643	378	15	63	188
Persons living alone	9,698	53.7	9,193	505	5.2	8,355	4,777	167	477	2,934
Males	5,025	72.1	4,706	319	6.3	1,949	131	94	193	1,531
Females	4,673	42.2	4,486	186	4.0	6,406	4,646	73	284	1,403
All others ¹	1,000	79.6	5,433	565	9.4	1,537	420	406	114	597

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

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

Marital status, race, and age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	3,018	4,157	5.1	6.9	2,945	3,291	6.8	7.4
Married, spouse present	1,101	1,674	2.7	4.2	1,224	1,417	5.1	5.8
Widowed, divorced, or separated	302	428	6.5	8.6	540	610	6.7	7.2
Single (never married)	1,615	2,055	11.0	13.6	1,181	1,265	10.4	10.9
White, 16 years and over	2,354	3,289	4.4	6.1	2,224	2,501	5.9	6.5
Married, spouse present	920	1,426	2.5	3.9	1,040	1,209	4.8	5.5
Widowed, divorced, or separated	215	311	5.7	7.6	388	436	6.0	6.4
Single (never married)	1,219	1,552	9.6	11.9	796	856	8.3	8.8
Black and other, 16 years and over	664	868	10.3	13.3	722	790	12.3	13.1
Married, spouse present	181	248	5.0	7.0	185	208	7.4	8.1
Widowed, divorced, or separated	88	117	9.8	13.1	152	174	9.6	10.6
Single (never married)	396	503	20.3	23.9	385	409	21.4	22.3
Total, 20 to 64 years of age	2,156	3,203	4.1	6.0	2,175	2,511	5.8	6.4
Married, spouse present	1,033	1,603	2.7	4.2	1,134	1,326	4.9	5.6
Widowed, divorced, or separated	281	415	6.4	8.8	502	577	6.8	7.4
Single (never married)	841	1,185	8.6	11.4	538	610	7.5	8.0
White, 20 to 64 years of age	1,673	2,538	3.6	5.3	1,638	1,901	5.0	5.6
Married, spouse present	860	1,369	2.5	3.9	958	1,127	4.6	5.3
Widowed, divorced, or separated	200	302	5.6	7.8	358	409	6.1	6.6
Single (never married)	613	867	7.3	9.8	322	365	5.5	5.9
Black and other, 20 to 64 years of age	483	666	8.4	11.5	538	610	10.3	11.2
Married, spouse present	174	235	5.0	6.9	176	198	7.3	8.0
Widowed, divorced, or separated	81	113	9.6	13.2	145	167	9.7	10.7
Single (never married)	227	317	16.0	20.2	217	244	16.4	17.6

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11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	5,963	7,448	5.8	7.1	5.1	6.9	6.8	7.4
White-collar workers	1,703	1,951	3.3	3.7	2.2	2.7	4.3	4.6
Professional and technical	373	395	2.4	2.5	1.8	2.0	3.3	3.0
Managers and administrators, except farm	225	270	2.1	2.4	1.7	2.0	3.4	3.5
Sales workers	252	283	3.9	4.4	2.8	3.5	5.3	5.4
Clerical workers	853	1,004	4.6	5.3	3.8	4.8	4.8	5.4
Blue-collar workers	2,377	3,414	6.9	10.0	6.2	9.4	9.7	12.6
Craft and kindred workers	604	884	4.5	6.6	4.4	6.6	5.0	6.9
Carpenters and other construction workers	308	450	7.3	10.6	7.3	10.6	9.4	11.8
All other	296	434	3.2	4.7	3.1	4.6	4.5	6.4
Operatives, except transport	1,000	1,436	8.4	12.2	6.9	11.0	10.6	13.9
Transport equipment operatives	206	335	5.4	8.8	5.4	8.9	5.0	7.7
Nonfarm laborers	566	760	10.8	14.6	10.8	14.8	11.0	12.6
Construction laborers	185	220	17.4	21.6	17.1	21.4	(1)	(1)
All other	381	540	9.1	12.9	5.0	13.0	10.1	11.6
Service workers	980	1,107	7.1	7.9	6.6	8.1	7.4	7.7
Private household	54	51	4.8	4.7	(1)	(1)	4.8	4.8
All other	925	1,056	7.3	8.1	6.6	8.1	7.8	8.1
Farm workers	106	125	3.8	4.4	3.0	3.7	7.0	7.4
No previous work experience	798	852	--	--	--	--	--	--
16 to 19 years	590	633	--	--	--	--	--	--
20 to 24 years	131	140	--	--	--	--	--	--
25 years and over	77	80	--	--	--	--	--	--

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

12. Unemployed persons by industry and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	100.0	100.0	5.8	7.1	5.1	6.9	6.8	7.4
Nonagricultural private wage and salary workers	72.7	75.8	5.7	7.4	5.2	7.4	6.5	7.3
Mining	.7	.8	4.9	6.5	5.0	6.8	4.3	4.5
Construction	8.8	9.7	10.2	14.2	10.4	14.7	7.5	8.8
Manufacturing	21.3	26.2	5.5	8.5	4.4	7.4	8.0	10.7
Durable goods	11.5	16.6	5.0	8.9	4.4	8.2	6.6	10.9
Lumber and wood products	.7	1.2	6.3	13.3	6.3	13.5	6.2	11.8
Furniture and fixtures	.6	.7	6.1	9.0	6.1	8.5	6.2	10.0
Stone, clay, and glass products	.7	.8	5.7	9.2	5.0	8.3	8.7	13.1
Primary metal industries	.9	1.7	4.1	9.7	4.0	9.4	5.2	12.0
Fabricated metal products	1.5	2.1	5.9	9.9	5.3	8.6	8.2	14.3
Machinery, except electrical equipment	1.5	2.2	3.1	5.6	2.8	5.1	4.5	7.1
Electrical equipment	1.8	2.2	4.4	6.8	3.3	4.8	5.8	9.3
Transportation equipment	2.4	4.3	6.1	13.6	5.7	12.8	8.1	17.3
Automobiles	1.7	3.5	7.4	20.3	7.0	18.8	9.3	27.7
Other transportation equipment	.8	.8	4.4	5.7	4.0	5.8	6.5	5.5
Instruments and related products	.4	.4	4.2	4.9	2.6	3.0	6.0	7.2
Other durable goods industries	.9	.9	7.4	9.2	5.7	6.0	9.6	13.6
Nondurable goods	5.8	9.6	6.4	7.9	4.3	5.9	9.4	10.6
Food and kindred products	2.6	2.3	8.0	8.9	5.4	6.8	13.6	15.4
Textile mill products	.9	.9	6.4	8.3	4.0	6.3	5.0	10.3
Apparel and other textile products	2.3	2.1	9.8	11.5	8.0	8.5	10.3	12.2
Paper and allied products	.5	.7	3.9	6.9	2.8	5.8	7.5	10.4
Printing and publishing	1.2	1.2	4.6	5.8	4.1	5.0	5.4	7.0
Chemicals and allied products	.7	.8	3.5	4.5	2.8	3.6	5.4	6.9
Rubber and plastics products	.9	1.0	6.7	9.6	4.2	8.1	11.0	12.4
Other nondurable goods industries	.8	.6	6.9	7.0	5.2	4.7	10.2	10.2
Transportation and public utilities	3.4	3.7	3.7	4.9	3.4	5.1	4.5	4.4
Railroads and railway express	.2	.4	1.8	4.6	1.9	4.6	--	4.4
Other transportation	2.4	2.6	5.5	7.5	5.2	7.7	6.4	6.6
Communication and other public utilities	.8	.7	2.0	2.2	1.3	1.7	3.4	3.1
Wholesale and retail trade	20.3	18.9	6.5	7.4	5.4	6.6	7.7	8.3
Finance, insurance, and real estate	2.7	2.5	3.0	3.4	2.3	3.2	3.5	3.5
Service industries	15.5	14.0	5.4	5.9	5.1	6.2	5.6	5.7
Professional services	6.7	5.6	4.1	4.1	3.3	3.5	4.4	4.3
All other service industries	8.7	8.4	7.3	8.5	6.7	8.7	7.8	8.4
Agricultural wage and salary workers	2.4	2.3	9.1	10.8	7.7	9.7	14.0	15.1
All other classes of workers	11.5	10.6	2.8	3.1	2.2	2.7	3.4	3.5
No previous work experience	13.4	11.4	--	--	--	--	--	--

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

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands...	5,963	7,448	2,223	3,261	2,213	2,547	1,528	1,640	4,577	5,790	1,386	1,658
Job losers	2,555	3,860	1,413	2,334	827	1,144	314	383	1,993	3,056	562	804
On layoff	835	1,471	462	526	291	444	83	102	694	1,235	142	237
Other job losers	1,720	2,389	951	1,408	536	700	231	281	1,299	1,821	420	567
Job leavers	854	863	313	345	360	365	181	153	715	717	139	146
Reentrants	1,758	1,875	429	498	885	905	444	472	1,314	1,421	444	453
New entrants	757	851	68	85	140	134	589	632	555	595	242	256
PERCENT DISTRIBUTION												
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	42.8	51.9	63.6	71.6	37.3	44.9	20.5	23.3	43.6	52.6	40.5	48.5
On layoff	14.0	19.8	20.8	28.4	13.1	17.4	5.4	6.2	15.2	21.3	10.2	14.3
Other job losers	28.8	32.1	42.8	43.2	24.2	27.5	15.1	17.1	28.4	31.5	30.3	34.2
Job leavers	14.3	11.6	14.1	10.6	16.3	14.3	11.8	9.4	15.6	12.4	10.0	8.8
Reentrants	29.5	25.2	19.3	15.3	40.0	35.5	29.0	28.8	28.7	24.5	32.0	27.3
New entrants	13.4	11.4	3.0	2.6	6.3	5.3	38.6	38.5	12.1	10.3	17.4	15.4
UNEMPLOYMENT RATE												
Total unemployment rate	5.8	7.1	4.1	5.9	5.7	6.3	16.1	17.7	5.1	6.3	11.3	13.2
Job losers rate ¹	2.5	3.7	2.5	4.2	2.1	2.8	3.3	4.1	2.2	3.3	4.6	6.4
On layoff	.8	.8	.6	.6	.9	.9	1.9	1.7	.8	.8	1.1	1.2
Other job losers	1.7	1.8	.8	.9	2.3	2.2	4.7	5.1	1.5	1.5	3.6	3.6
Job leavers rate ¹	.8	.8	.1	.2	.4	.3	6.2	6.8	.6	.6	2.0	2.0

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

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

[Percent distribution]

Reason, sex, and age	1980						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,448	100.0	43.1	32.4	24.6	13.8	10.8
Job losers	3,860	100.0	35.4	33.6	31.0	17.2	13.8
On layoff	1,471	100.0	43.8	32.2	24.1	15.1	9.0
Other job losers	2,389	100.0	30.2	34.5	35.3	18.5	16.8
Job leavers	863	100.0	47.5	31.6	21.0	12.0	9.0
Reentrants	1,875	100.0	52.6	30.5	16.8	9.8	7.0
New entrants	851	100.0	52.5	31.5	16.1	5.0	7.0
Males, 20 years and over	3,261	100.0	35.5	33.1	31.5	16.8	14.7
Job losers	2,334	100.0	32.8	33.5	33.7	18.1	15.6
On layoff	926	100.0	41.8	33.3	24.9	15.8	9.0
Other job losers	1,408	100.0	26.8	33.6	39.6	15.6	20.0
Job leavers	345	100.0	41.5	33.0	25.4	13.8	11.6
Reentrants	498	100.0	44.0	30.8	25.2	13.4	11.9
New entrants	85	100.0	33.9	36.1	30.0	13.1	16.5
Females, 20 years and over	2,547	100.0	46.0	31.4	22.7	12.8	9.8
Job losers	1,144	100.0	36.7	33.0	30.3	17.3	13.0
On layoff	444	100.0	44.2	30.5	25.3	15.2	10.0
Other job losers	700	100.0	32.0	34.6	33.5	18.6	14.5
Job leavers	365	100.0	48.3	30.7	21.0	11.8	9.2
Reentrants	905	100.0	55.3	30.3	14.5	8.3	6.2
New entrants	134	100.0	55.8	26.6	17.6	8.6	9.0
Both sexes, 16 to 19 years	1,640	100.0	53.7	32.6	13.8	5.3	4.5
Job losers	383	100.0	47.2	36.5	16.4	11.3	5.0
On layoff	102	100.0	59.2	29.4	11.4	7.7	3.6
Other job losers	281	100.0	42.8	39.0	18.2	12.6	5.5
Job leavers	153	100.0	58.8	30.5	10.7	8.1	2.7
Reentrants	472	100.0	56.6	30.8	12.5	5.0	3.5
New entrants	632	100.0	54.2	31.9	13.8	8.6	5.3

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

Sex, age, and race	1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,448	5,853	27.7	6.1	73.2	30.9	13.8	5.8	1.58
16 to 19 years	1,640	1,515	18.9	3.4	79.5	24.4	12.9	4.5	1.44
20 to 24 years	1,765	1,408	31.5	6.7	73.4	32.7	13.8	4.6	1.63
25 to 34 years	1,947	1,443	31.9	7.5	70.7	35.4	14.0	6.2	1.66
35 to 44 years	934	667	31.0	7.0	70.3	32.8	14.1	6.0	1.61
45 to 54 years	678	473	29.8	7.4	68.1	32.6	14.4	9.3	1.62
55 to 64 years	391	277	26.0	6.9	68.6	26.7	14.8	9.0	1.52
65 years and over	94	70	17.1	4.3	62.9	24.3	17.1	8.6	1.34
Males, 16 years and over	4,157	3,099	30.2	6.1	74.2	28.8	16.3	7.2	1.63
16 to 19 years	896	819	17.8	3.2	80.3	23.3	15.4	4.4	1.44
20 to 24 years	1,033	777	35.0	6.2	75.0	30.8	16.7	4.9	1.69
25 to 34 years	1,094	737	37.2	8.3	71.8	33.8	17.0	8.0	1.76
35 to 44 years	475	314	37.3	7.0	71.0	25.6	16.6	9.6	1.71
45 to 54 years	361	240	32.5	8.7	68.8	27.9	16.7	13.3	1.68
55 to 64 years	240	167	25.7	6.0	67.7	25.7	15.6	13.2	1.54
65 years and over	58	45	15.6	4.4	62.2	22.2	15.6	8.9	1.29
Females, 16 years and over	3,291	2,754	24.9	6.1	72.1	33.2	11.0	4.2	1.51
16 to 19 years	744	696	20.3	3.7	78.6	25.7	9.9	4.6	1.43
20 to 24 years	733	631	27.3	7.4	71.5	35.2	10.3	4.1	1.56
25 to 34 years	852	706	26.5	6.7	69.7	37.1	10.9	4.4	1.55
35 to 44 years	460	352	25.3	7.1	69.9	35.6	11.9	2.8	1.53
45 to 54 years	316	233	27.5	6.0	67.8	37.3	11.6	5.2	1.55
55 to 64 years	150	110	26.4	8.2	70.0	25.1	14.5	2.7	1.51
65 years and over	36	25	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	5,790	4,443	25.9	6.2	74.1	32.6	13.9	5.7	1.59
Males	3,289	2,389	28.6	6.2	75.2	30.4	16.4	7.2	1.64
Females	2,501	2,055	22.7	6.2	72.7	35.5	11.0	3.9	1.52
Black and other, 16 years and over	1,658	1,409	33.5	6.0	70.5	24.8	13.4	6.1	1.54
Males	868	711	35.7	5.8	70.7	23.2	16.0	7.0	1.59
Females	790	699	31.2	6.2	70.2	26.3	10.6	5.2	1.50

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

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

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

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

Sex and reason	1980								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,448	5,853	27.7	6.1	73.2	30.9	13.8	5.8	1.58
Job losers	3,860	2,379	35.4	6.6	73.0	31.6	14.8	6.9	1.68
Job leavers	863	861	27.3	8.0	74.9	35.2	14.6	2.9	1.63
Reentrants	1,875	1,772	21.8	5.8	70.5	31.7	12.3	6.3	1.48
New entrants	851	841	18.9	3.6	77.8	22.6	13.2	4.2	1.40
Males, 16 years and over	4,157	3,099	30.2	6.1	74.2	28.8	16.3	7.2	1.63
Job losers	2,589	1,585	36.0	6.6	73.8	29.9	16.2	8.6	1.71
Job leavers	422	421	28.5	7.4	76.2	32.8	17.1	3.3	1.65
Reentrants	753	705	24.1	5.8	71.9	27.5	15.9	8.1	1.53
New entrants	394	389	19.8	3.6	77.1	22.1	16.7	3.9	1.43
Females, 16 years and over	3,291	2,754	24.9	6.1	72.1	33.2	11.0	4.2	1.51
Job losers	1,271	794	34.1	6.7	71.3	35.1	12.1	3.7	1.63
Job leavers	441	440	26.1	8.6	73.6	37.5	12.5	2.5	1.61
Reentrants	1,122	1,068	20.3	5.8	69.6	34.3	9.7	5.1	1.45
New entrants	457	452	18.1	3.5	78.3	23.0	10.2	4.6	1.38

NOTE: See note, table 15.

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17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	5,963	7,448	100.0	100.0	4,639	6,108	100.0	100.0
Less than 5 weeks	2,869	3,208	48.1	43.1	2,060	2,403	44.4	39.3
5 to 14 weeks	1,892	2,411	31.7	32.4	1,521	2,028	32.8	33.2
5 to 10 weeks	1,396	1,740	23.4	23.4	1,112	1,442	24.0	23.6
11 to 14 weeks	496	671	8.3	9.0	409	586	8.8	9.6
15 weeks and over	1,202	1,829	20.2	24.6	1,058	1,677	22.8	27.5
15 to 26 weeks	684	1,028	11.5	13.8	558	932	12.9	15.3
27 weeks and over	518	802	8.7	10.8	460	745	5.9	12.2
27 to 51 weeks	269	481	4.5	6.5	240	453	5.2	7.4
52 weeks and over	249	320	4.2	4.3	220	292	4.7	4.8
Average (mean) duration, in weeks	10.8	11.9	--	--	11.8	12.9	--	--
Median duration, in weeks	5.4	6.5	--	--	6.2	7.4	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1979	1980	1979	1980
	1980										
Total, 16 years and over	7,448	3,208	2,411	1,028	802	11.9	6.5	48.1	43.1	20.2	24.6
16 to 21 years	2,419	1,226	799	250	144	8.9	4.9	56.2	50.7	12.6	16.3
16 to 19 years	1,640	880	534	152	73	8.0	4.7	56.1	53.7	11.2	13.8
20 to 24 years	1,765	766	602	228	170	11.1	6.3	45.8	43.4	18.2	22.5
25 to 34 years	1,947	766	622	316	242	13.1	7.6	44.9	39.4	21.9	28.7
35 to 44 years	934	363	297	149	126	13.5	7.9	42.6	36.8	26.7	25.4
45 to 54 years	678	251	206	108	113	15.2	8.4	39.6	37.1	28.9	32.6
55 to 64 years	391	137	126	64	63	15.5	8.7	37.5	35.2	31.4	32.5
65 years and over	94	45	25	10	14	14.1	5.7	37.1	47.4	28.5	25.9
Males, 16 years and over	4,157	1,617	1,374	646	520	13.2	7.6	44.6	38.9	23.0	28.1
16 to 21 years	1,355	642	462	162	90	9.6	5.5	54.3	47.3	14.0	18.6
16 to 19 years	896	461	295	98	42	8.5	4.9	56.3	51.4	12.4	15.7
20 to 24 years	1,033	397	368	152	115	12.2	7.4	47.3	36.5	19.5	25.9
25 to 34 years	1,094	370	356	201	168	15.0	9.3	40.2	33.8	25.9	33.7
35 to 44 years	475	162	156	83	73	15.1	8.2	35.8	34.1	31.5	33.0
45 to 54 years	361	121	108	63	70	17.2	9.7	34.3	33.5	34.5	36.6
55 to 64 years	240	80	75	43	43	16.9	9.6	34.1	33.1	35.0	35.8
65 years and over	58	27	16	6	9	14.2	5.7	33.8	46.7	34.3	25.6
Females, 16 years and over	3,291	1,591	1,037	382	281	10.3	5.4	51.7	48.3	17.2	20.1
16 to 21 years	1,063	584	337	88	53	8.1	4.5	58.3	54.9	11.2	13.3
16 to 19 years	744	420	239	54	31	7.5	4.4	60.0	56.5	9.9	11.5
20 to 24 years	733	368	234	76	55	9.6	5.0	52.4	50.3	16.8	17.8
25 to 34 years	852	397	266	115	74	10.6	5.8	49.3	46.6	18.2	22.2
35 to 44 years	460	201	141	66	53	12.0	6.6	48.4	43.6	22.6	25.7
45 to 54 years	316	130	98	45	43	13.0	7.2	45.1	41.1	23.0	28.0
55 to 64 years	150	58	51	21	20	13.4	7.4	42.2	38.5	26.5	27.4
65 years and over	36	17	9	4	5	14.0	5.7	42.9	48.5	18.2	26.4
White, 16 years and over	5,790	2,532	1,879	794	586	11.5	6.3	49.4	43.7	19.1	23.8
Males	3,289	1,296	1,093	509	390	12.8	7.4	46.0	35.4	21.9	27.4
Females	2,501	1,236	785	285	195	9.8	5.1	53.1	49.4	16.2	19.2
Black and other, 16 years and over ..	1,658	676	532	234	216	13.4	7.3	43.7	40.8	23.5	27.1
Males	868	321	280	137	130	14.9	8.3	39.6	37.0	26.9	30.7
Females	790	355	252	97	86	11.9	6.2	47.5	45.0	20.4	23.1
Males, 16 years and over:											
Married, spouse present	1,674	596	548	295	234	14.1	8.7	39.7	35.6	27.0	31.6
Widowed, divorced, or separated	428	144	139	73	73	16.4	9.5	37.0	33.5	29.3	34.1
Single (never married)	2,055	877	687	278	213	11.8	6.5	49.3	42.7	19.1	23.9
Females, 16 years and over:											
Married, spouse present	1,417	687	436	171	122	10.2	5.3	51.9	48.5	17.2	20.7
Widowed, divorced, or separated	610	258	195	88	69	12.2	6.9	46.2	42.3	21.6	25.8
Single (never married)	1,265	646	406	122	90	9.4	4.9	54.1	51.1	15.3	16.8

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1979	1980	1979	1980
	1980										
OCCUPATION											
White-collar workers	1,951	865	634	255	197	11.4	6.2	46.8	44.3	21.4	23.2
Professional and managerial	665	268	219	93	83	12.9	7.0	42.1	40.3	26.1	26.6
Sales workers	283	129	88	35	31	11.3	5.9	48.1	45.6	18.6	23.3
Clerical workers	1,004	468	327	127	83	10.4	5.8	49.6	46.6	19.0	20.9
Blue-collar workers	3,414	1,297	1,124	554	438	13.2	7.9	45.3	38.0	22.0	29.1
Craft and kindred workers	884	337	298	142	107	13.1	7.7	43.2	38.2	22.4	28.1
Operatives, except transport	1,436	551	454	240	191	13.2	8.1	47.4	38.4	21.7	30.0
Transport equipment operatives	335	117	116	60	41	13.5	8.6	42.7	35.1	24.3	30.4
Nonfarm laborers	760	292	256	112	99	13.3	7.5	44.8	38.4	21.3	27.8
Service workers	1,107	535	342	130	100	10.8	5.4	50.8	48.3	18.6	20.8
INDUSTRY¹											
Agriculture	168	82	58	19	9	9.0	5.3	56.9	48.8	12.2	16.4
Construction	752	291	262	118	82	12.2	7.4	43.7	38.7	20.2	26.5
Manufacturing	1,957	720	616	343	279	13.8	8.5	45.4	36.8	23.7	31.8
Durable goods	1,237	426	387	232	191	14.5	9.4	44.1	34.5	25.2	34.2
Non-durable goods	720	293	229	111	88	12.8	7.1	46.9	40.7	21.9	27.5
Transportation and public utilities	307	122	93	54	38	13.2	7.6	43.2	38.8	25.4	29.8
Wholesale and retail trade	1,412	631	475	166	140	11.1	6.1	49.1	44.7	18.0	21.7
Finance and service industries	1,571	730	507	187	147	11.1	5.7	49.3	46.5	20.2	21.4
Public administration	240	97	75	39	28	13.1	7.2	41.1	40.4	27.2	28.2
No previous work experience	852	447	269	77	60	9.7	4.8	54.6	52.5	15.0	16.0

¹ Includes wage and salary workers only.

20. Employed persons by industry, age, and sex

[In thousands]

Industry and age	Total		Males		Females	
	1979	1980	1979	1980	1979	1980
	All industries					
All industries	96,945	97,270	56,499	55,588	40,446	41,283
16 to 19 years	7,984	7,603	4,236	4,016	3,748	3,587
16 to 17 years	3,271	3,031	1,761	1,631	1,510	1,399
18 to 19 years	4,713	4,572	2,475	2,384	2,238	2,188
20 to 24 years	13,891	13,615	7,534	7,254	6,358	6,360
25 to 54 years	60,721	61,761	35,923	35,975	24,758	25,787
25 to 34 years	25,584	26,222	15,133	15,232	10,450	10,989
35 to 44 years	18,768	19,293	11,014	11,152	7,754	8,141
45 to 54 years	16,369	16,247	9,775	9,591	6,594	6,656
55 to 64 years	11,380	11,364	6,946	6,924	4,434	4,441
55 to 59 years	7,060	7,027	4,285	4,254	2,775	2,772
60 to 64 years	4,320	4,338	2,661	2,670	1,659	1,668
65 years and over	2,969	2,927	1,861	1,819	1,105	1,108
Nonagricultural industries						
Nonagricultural industries	93,648	93,960	53,854	53,324	39,794	40,637
16 to 19 years	7,628	7,223	3,941	3,707	3,687	3,516
16 to 17 years	3,067	2,826	1,594	1,464	1,474	1,362
18 to 19 years	4,560	4,397	2,347	2,242	2,213	2,155
20 to 24 years	13,493	13,223	7,210	6,932	6,263	6,251
25 to 54 years	59,010	60,050	34,609	34,661	24,400	25,389
25 to 34 years	24,933	25,583	14,616	14,722	10,317	10,861
35 to 44 years	18,261	18,750	10,635	10,750	7,626	8,000
45 to 54 years	15,815	15,717	9,358	9,189	6,457	6,525
55 to 64 years	10,875	10,842	6,524	6,482	4,351	4,360
55 to 59 years	6,799	6,752	4,073	4,029	2,727	2,723
60 to 64 years	4,076	4,090	2,451	2,453	1,625	1,637
65 years and over	2,642	2,623	1,570	1,543	1,072	1,060
Agriculture						
Agriculture	3,297	3,310	2,645	2,664	652	646
16 to 19 years	356	380	295	309	61	71
16 to 17 years	203	205	167	167	36	37
18 to 19 years	153	175	127	142	25	33
20 to 24 years	398	392	324	322	75	70
25 to 54 years	1,711	1,712	1,313	1,314	396	397
25 to 34 years	650	639	517	510	133	129
35 to 44 years	506	543	378	402	128	141
45 to 54 years	554	530	417	402	137	128
55 to 64 years	505	523	422	442	83	81
55 to 59 years	261	274	213	225	46	50
60 to 64 years	244	248	210	217	34	31
65 years and over	327	305	291	277	36	28

HOUSEHOLD DATA ANNUAL AVERAGES

21. Employed persons by occupation, sex, and age

(In thousands)

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
	TOTAL	96,945	97,270	52,264	51,972	36,698	37,696	4,236	4,016	3,748	3,587
White-collar workers	49,342	50,809	22,639	23,062	24,107	25,188	667	679	1,930	1,879
Professional and technical	15,050	15,613	8,435	8,593	6,425	6,822	96	59	94	99
Health workers	2,809	2,922	951	943	1,839	1,957	6	6	13	15
Teachers, except college	3,118	3,157	906	915	2,187	2,219	5	6	19	17
Other professional and technical	9,123	9,534	6,578	6,735	2,399	2,646	85	87	62	67
Managers and administrators, except farm	10,516	10,919	7,877	8,009	2,537	2,801	54	58	49	51
Salaried workers	8,733	9,012	6,510	6,572	2,126	2,336	48	55	48	49
Self-employed workers in retail trade	849	870	576	567	271	301	2	1	--	1
Self-employed workers, except retail trade	935	1,037	791	871	140	164	4	1	--	1
Sales workers	6,163	6,172	3,141	3,144	2,338	2,356	243	233	442	439
Retail trade	3,215	3,159	1,007	988	1,605	1,599	189	169	414	402
Other industries	2,948	3,013	2,134	2,156	732	757	54	63	28	37
Clerical workers	17,613	18,105	3,186	3,315	12,807	13,210	275	289	1,345	1,291
Stenographers, typists, and secretaries	4,825	4,963	65	66	4,404	4,561	6	7	348	329
Other clerical workers	12,788	13,142	3,121	3,249	8,403	8,649	267	282	997	962
Blue-collar workers	32,066	30,800	23,761	22,984	5,477	5,322	2,394	2,126	434	368
Craft and kindred workers	12,880	12,529	11,595	11,297	691	710	549	479	47	43
Carpenters	1,276	1,185	1,178	1,105	13	16	82	62	3	2
Construction craft workers, except carpenters	2,639	2,615	2,464	2,450	37	45	132	115	5	4
Mechanics and repairers	3,451	3,320	3,206	3,085	46	61	196	167	3	3
Metal craft workers	1,291	1,296	1,213	1,212	34	49	41	34	4	1
Blue-collar worker supervisors, not elsewhere classified	1,739	1,729	1,550	1,527	173	183	12	15	4	4
All other	2,484	2,384	1,983	1,914	387	357	87	86	28	28
Operatives, except transport	10,909	10,346	5,892	5,638	4,080	3,916	663	564	273	227
Durable goods manufacturing	5,032	4,597	3,057	2,851	1,654	1,509	221	169	100	68
Nondurable goods manufacturing	3,376	3,290	1,316	1,265	1,835	1,811	111	105	115	110
Other industries	2,501	2,460	1,520	1,522	591	597	332	291	58	49
Transport equipment operatives	3,612	3,468	3,137	3,024	275	268	181	167	19	10
Drivers, motor vehicles	3,066	2,946	2,643	2,546	256	247	150	144	17	10
All other	546	523	494	478	19	21	31	23	1	1
Nonfarm laborers	4,665	4,456	3,136	3,025	431	428	1,001	916	96	87
Construction	878	797	676	632	17	17	181	144	4	3
Manufacturing	1,068	961	789	727	151	141	112	82	17	10
Other industries	2,719	2,699	1,672	1,666	263	270	708	690	76	74
Service workers	12,834	12,958	3,881	3,956	6,674	6,752	942	563	1,337	1,286
Private household workers	1,088	1,041	15	18	848	821	11	8	214	193
Service workers, except private household	11,746	11,917	3,865	3,939	5,827	5,931	932	554	1,122	1,093
Food service workers	4,300	4,436	786	865	2,185	2,225	572	602	757	744
Protective service workers	1,406	1,396	1,259	1,241	118	125	23	23	6	8
All other	6,040	6,085	1,820	1,833	3,524	3,581	337	329	359	341
Farm workers	2,703	2,704	1,984	1,970	440	433	233	248	47	53
Farmers and farm managers	1,446	1,485	1,291	1,309	138	156	17	19	1	1
Farm laborers and supervisors	1,257	1,218	693	660	302	277	216	229	46	52
Paid workers	971	934	657	625	124	108	155	166	35	35
Unpaid family workers	286	284	36	36	178	168	60	63	11	17

HOUSEHOLD DATA ANNUAL AVERAGES

22. Employed persons by occupation, race, and sex

(Percent distribution)

Occupation and race	Total		Males		Females	
	1979	1980	1979	1980	1979	1980
TOTAL						
Total, 16 years and over (thousands)	96,945	97,270	56,499	55,988	40,446	41,283
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.9	52.2	41.2	42.4	64.4	65.6
Professional and technical	15.5	16.1	15.1	15.5	16.1	16.8
Managers and administrators, except farm	10.8	11.2	14.0	14.4	6.4	6.9
Sales workers	6.4	6.3	6.0	6.0	6.9	6.8
Clerical workers	18.2	18.6	6.1	6.4	35.0	35.1
Blue-collar workers	33.1	31.7	46.3	44.8	14.6	13.8
Craft and kindred workers	13.3	12.9	21.5	21.0	1.8	1.8
Operatives, except transport	11.3	10.6	11.6	11.1	10.8	10.0
Transport equipment operatives	3.7	3.6	5.9	5.7	.7	.7
Nonfarm laborers	4.8	4.6	7.3	7.0	1.3	1.2
Service workers	13.2	13.3	8.5	8.8	19.8	19.5
Private household workers	1.1	1.1	(1)	(1)	2.6	2.5
Other service workers	12.1	12.3	8.5	8.7	17.2	17.0
Farm workers	2.8	2.8	3.9	4.0	1.2	1.2
Farmers and farm managers	1.5	1.5	2.3	2.4	.3	.4
Farm laborers and supervisors	1.3	1.3	1.6	1.6	.9	.8
White						
Total, 16 years and over (thousands)	86,025	86,380	50,721	50,337	35,304	36,043
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.5	53.9	42.8	44.0	66.5	67.7
Professional and technical	15.9	16.5	15.6	16.1	16.4	17.0
Managers and administrators, except farm	11.6	12.0	14.9	15.3	6.8	7.4
Sales workers	6.8	6.8	6.4	6.4	7.4	7.3
Clerical workers	18.2	18.6	6.0	6.2	35.9	36.0
Blue-collar workers	32.6	31.1	45.5	44.0	14.1	13.2
Craft and kindred workers	13.8	13.3	22.0	21.5	1.9	1.9
Operatives, except transport	10.8	10.1	11.2	10.7	10.2	9.4
Transport equipment operatives	3.6	3.4	5.6	5.4	.8	.7
Nonfarm laborers	4.5	4.3	6.7	6.5	1.3	1.2
Service workers	12.0	12.1	7.7	8.0	18.1	17.8
Private household workers . . . . .	.8	.8	(1)	(1)	2.0	1.9
Other service workers	11.1	11.3	7.7	7.9	16.1	16.0
Farm workers	2.9	2.9	4.0	4.1	1.3	1.3
Farmers and farm managers	1.6	1.7	2.5	2.6	.4	.4
Farm laborers and supervisors	1.2	1.2	1.5	1.5	.5	.8
Black and other						
Total, 16 years and over (thousands)	10,920	10,890	5,779	5,651	5,141	5,239
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	37.9	39.2	27.4	28.4	49.7	50.9
Professional and technical	12.2	12.7	10.5	10.7	14.2	14.8
Managers and administrators, except farm	5.2	5.2	6.9	6.7	3.4	3.7
Sales workers	2.8	2.9	2.5	2.7	3.1	3.1
Clerical workers	17.7	18.4	7.6	8.4	25.0	29.3
Blue-collar workers	36.7	35.9	53.2	52.7	18.0	17.7
Craft and kindred workers	9.4	9.6	16.6	17.1	1.2	1.4
Operatives, except transport	15.1	14.5	15.4	14.8	14.7	14.3
Transport equipment operatives	4.8	4.9	8.5	8.8	.6	.6
Nonfarm laborers	7.4	6.9	12.7	12.0	1.6	1.4
Service workers	23.2	23.1	15.9	16.0	31.5	30.8
Private household workers	3.3	3.2	.1	.2	6.8	6.5
Other service workers	19.9	19.9	15.7	15.8	24.6	24.3
Farm workers	2.2	1.8	3.5	3.0	.8	.6
Farmers and farm managers . . . . .	.3	.3	.6	.6	.1	.1
Farm laborers and supervisors	1.9	1.5	2.9	2.4	.7	.5

¹ Less than 0.05 percent.

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Occupation	1980			Occupation	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	97,270	42.4	11.2				
White-collar workers	50,809	53.3	8.4	White-collar workers—Continued			
Professional and technical	15,613	44.3	8.9	Managers and administrators, except farm—Continued			
Accountants	1,047	36.2	8.2	Inspectors, except construction and public administration	109	12.8	7.3
Architects	90	6.7	8.9	Managers and superintendents, building	154	54.5	7.1
Computer specialists	58.4	25.7	8.0	Office managers, n.e.c.	452	66.6	2.9
Computer programmers	341	28.7	9.1	Officials and administrators; public administration n.e.c.	426	28.6	10.8
Computer systems analysts	201	22.4	6.0	Officials of lodges, societies, and unions	107	35.5	6.5
Engineers	1,433	4.0	5.9	Restaurant, cafeteria, and bar managers	672	39.4	9.4
Aeronautical and astronautical engineers	73	2.7	5.5	Sales managers and department heads, retail trade	353	40.5	6.2
Civil engineers	180	3.3	7.8	Sales managers, except retail trade	352	10.8	2.8
Electrical and electronic engineers	357	3.9	6.7	School administrators, college	133	33.8	6.0
Industrial engineers	245	8.6	4.5	School administrators, elementary and secondary	298	38.6	9.1
Mechanical engineers	237	2.5	5.5	All other managers and administrators	6,491	18.4	4.4
Foresters and conservationists	65	10.8	3.1	Sales workers	6,172	45.3	5.1
Lawyers and judges	547	12.8	4.2	Advertising agents and sales workers	110	41.8	2.7
Lawyers	522	13.0	4.2	Demonstrators	91	96.7	4.4
Librarians, archivists, and curators	199	81.4	6.5	Hucksters and peddlers	178	81.5	6.2
Librarians	182	85.2	7.1	Insurance agents, brokers, and under-writers	532	25.2	6.2
Life and physical scientists	301	20.3	9.6	Newspaper carriers and vendors	110	23.6	3.6
Biological scientists	64	37.5	9.4	Real estate agents and brokers	582	50.7	2.1
Chemists	128	20.3	13.3	Stock and bond sales agents	134	16.4	2.2
Operations and systems researchers and analysts	170	23.5	6.5	Sales workers and sales clerks, n.e.c.	4,428	46.0	5.5
Personnel and labor relations workers	452	46.9	11.1	Sales representatives, manufacturing industries	428	18.9	3.0
Physicians, dentists, and related practitioners	777	12.9	8.2	Sales representatives, wholesale trade	915	10.6	3.0
Dentists	140	4.3	5.0	Sales clerks, retail trade	2,343	71.1	7.2
Pharmacists	120	25.0	8.3	Sales workers, except clerks, retail trade	519	19.5	3.7
Physicians, medical and osteopathic	426	13.4	10.8	Sales workers, services and construction	222	41.9	7.2
Nurses, dietitians, and therapists	1,574	93.3	11.9	Clerical workers	18,105	80.1	11.1
Registered nurses	1,302	96.5	11.4	Bank tellers	531	92.7	8.7
Therapists	213	73.7	11.7	Billing clerks	163	90.2	8.0
Health technologists and technicians	571	70.8	11.2	Bookkeepers	1,904	90.5	5.5
Clinical laboratory technologists and technicians	234	75.2	14.1	Cashiers	1,554	86.6	10.8
Radiologic technologists and technicians	100	70.0	9.0	Clerical supervisors, n.e.c.	241	70.5	12.0
Religious workers	315	11.4	6.7	Collectors, bill and account	78	56.4	7.7
Clergy	265	4.2	6.8	Counter clerks, except food	350	73.4	9.4
Social scientists	278	36.0	5.4	Dispatchers and starters, vehicle	103	34.0	11.7
Economists	138	25.4	5.1	Enumerators and interviewers	86	76.7	15.1
Psychologists	106	50.9	5.7	Estimators and investigators, n.e.c.	534	56.2	10.7
Social and recreation workers	499	63.3	18.6	Expeditors and production controllers	233	40.3	9.4
Social workers	383	65.0	18.5	File clerks	324	86.4	21.6
Recreation workers	116	57.8	19.0	Insurance adjusters, examiners, and investigators	174	57.5	10.9
Teachers, college and university	552	3.9	7.1	Library attendants and assistants	152	77.6	13.2
Teachers, except college and university	3,157	70.8	9.9	Mail carriers, post office	244	11.1	11.5
Adult education teachers	72	47.2	8.3	Mail handlers, except post office	165	47.3	23.0
Elementary school teachers	1,383	83.7	11.9	Messengers and office helpers	98	27.6	16.3
Prekindergarten and kindergarten teachers	243	98.4	13.6	Office machine operators	939	72.6	17.5
Secondary school teachers	1,243	52.1	7.9	Bookkeeping and billing machine operators	50	90.0	14.0
Teachers except college and university, n.e.c.	216	72.7	4.2	Computer and peripheral equipment operators	522	59.8	14.0
Engineering and science technicians	1,095	17.8	8.8	Keypunch operators	266	95.9	21.8
Chemical technicians	91	22.0	11.0	Payroll and timekeeping clerks	232	81.0	8.6
Drafters	335	17.3	8.7	Postal clerks	285	35.4	24.2
Electrical and electronic engineering technicians	260	12.3	11.2	Receptionists	629	96.3	8.1
Surveyors	89	3.4	2.2	Secretaries	3,876	99.1	6.7
Technicians, except health, engineering, and science	207	19.3	4.3	Secretaries, legal	186	98.9	5.4
Airplane pilots	76	--	--	Secretaries, medical	84	98.8	10.7
Radio operators	60	53.3	6.7	Secretaries, n.e.c.	3,605	99.2	6.7
Vocational and educational counselors	181	55.8	17.7	Shipping and receiving clerks	505	21.6	14.1
Writers, artists, and entertainers	1,284	39.3	5.9	Statistical clerks	387	78.0	14.0
Athletes and kindred workers	113	42.5	6.2	Stenographers	64	89.1	15.6
Designers	193	29.5	5.7	Stock clerks and storekeepers	533	32.5	12.4
Editors and reporters	194	50.0	5.7	Teachers' aides, except school monitors	383	93.7	19.6
Musicians and composers	143	29.4	5.6	Telephone operators	316	91.8	15.8
Painters and sculptors	195	49.7	6.2	Ticket, station, and express agents	140	45.7	9.3
Photographers	111	20.7	4.5	Typists	1,023	96.9	15.5
Public relations specialists and publicity writers	126	46.8	4.8	All other clerical workers	1,861	77.1	13.3
Research workers, not specified	175	36.6	9.1	Blue-collar workers	30,800	18.5	12.7
All other professional and technical workers	60	40.0	8.3	Craft and kindred workers	12,529	6.0	8.3
Managers and administrators, except farm	10,919	26.1	5.2	Carpenters	1,185	1.5	5.7
Bank officials and financial managers	643	33.6	4.7	Brickmasons and stonemasons	168	.1	16.1
Buyers and purchasing agents	452	33.6	5.1	Cement and concrete finishers	71	--	31.0
Buyers, wholesale and retail trade	190	42.6	4.7	Electricians	648	1.2	5.7
Credit and collection managers	67	38.8	1.5	Excavating, grading, and road machinery operators	456	.9	9.6
Health administrators	210	48.1	8.1	Painters, construction and maintenance	469	6.0	11.3

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Occupation	1980			Occupation	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Blue-collar workers—Continued				Blue-collar workers—Continued			
Craft and kindred workers—Continued				Operatives, except transport—Continued			
Plumbers and pipefitters	478	.6	9.2	Shoemaking machine operatives	71	73.2	8.5
Structural metal craft workers	74	1.4	4.1	Furnace tenders and stokers, except metal	68	1.5	14.7
Roofers and slaters	139	.7	10.8	Textile operatives	323	58.2	22.6
Blue-collar worker supervisors, n.e.c.	1,729	10.8	7.8	Spinners, twisters, and winders	119	69.7	26.1
Machinists and job setters	658	4.0	8.7	Welders and flame cutters	692	5.3	11.4
Job and die setters, metal	91	7.7	11.0	Winding operatives, n.e.c.	52	50.0	19.2
Machinists	567	3.4	8.3	All other operatives, except transport	3,001	33.0	15.2
Metal craft workers, excluding mechanics, machinists, and job setters	638	3.9	7.5	Transport equipment operatives	3,468	8.0	15.3
Millwrights	108	.9	4.6	Busdrivers	356	44.9	19.9
Molders, metal	55	14.5	25.5	Delivery and route workers	584	6.7	9.9
Sheet-metal workers and tinsmiths	161	3.1	6.2	Forklift and tow motor operatives	366	4.1	19.4
Tool and die makers	176	2.8	2.3	Railroad switch operators	45	2.2	11.1
Mechanics, automobiles	1,197	.7	9.1	Taxicab drivers and chauffeurs	162	9.9	25.3
Automobile body repairers	179	.6	5.0	Truckdrivers	1,844	2.2	14.2
Automobile mechanics	1,012	.6	9.8	All other transport equipment operatives	111	5.4	19.8
Mechanics, except automobiles	2,123	2.6	7.5	Nonfarm laborers	4,456	11.6	16.9
Air-conditioning, heating, and refrigeration mechanics	207	.5	7.2	Animal caretakers	96	51.0	8.3
Aircraft mechanics	121	2.5	9.1	Construction laborers including carpenters' helpers	851	2.8	16.6
Data processing machine repairers	83	8.4	8.4	Freight and material handlers	722	10.5	19.0
Farm implement mechanics	57	--	5.3	Garbage collectors	69	2.9	34.8
Heavy equipment mechanics, including diesel	963	1.6	6.9	Gardeners and grounds keepers, except farm	601	5.2	16.3
Household appliance and accessory installers and mechanics	141	5.0	7.8	Timber cutting and logging workers	96	1.0	19.8
Office machine repairers	80	6.3	13.8	Stockhandlers	941	23.5	12.2
Radio and television repairers	120	5.8	6.7	Vehicle washers and equipment cleaners	158	13.9	21.5
Railroad and car shop mechanics	60	--	10.0	Warehouse laborers, n.e.c.	272	7.4	15.1
Printing craft workers	409	22.7	8.8	All other nonfarm laborers	650	10.8	20.8
Compositors and typesetters	174	34.5	6.9	Service workers	12,958	62.0	19.4
Printing press operators	169	9.5	9.5	Private households	1,041	97.5	33.2
Bakers	133	42.9	10.5	Child care workers	431	98.8	8.6
Cabinetmakers	81	3.7	3.7	Cleaners and servants	491	96.9	53.4
Carpet installers	77	1.3	3.9	Housekeepers	89	96.6	37.1
Crane, derrick, and hoist operators	148	.7	17.6	Service workers, except private households	11,917	58.9	18.2
Decorators and window dressers	114	71.1	6.1	Cleaning workers	2,454	36.5	27.5
Electric power line and cable installers and repairers	117	.9	8.5	Lodging quarters cleaners	164	97.0	39.0
Inspectors, n.e.c.	148	9.5	6.8	Building interior cleaners, n.e.c.	932	53.9	31.5
Locomotive engineers	54	--	5.6	Janitors and sextons	1,359	17.3	23.4
Stationary engineers	182	1.1	9.3	Food service workers	4,436	66.9	13.7
Tailors	26	46.2	15.4	Bartenders	299	43.5	6.0
Telephone installers and repairers	309	8.7	7.8	Waiters' assistants	204	19.1	14.7
Telephone line installers and repairers	71	1.4	7.0	Cooks	1,331	53.3	18.4
Upholsterers	67	17.9	13.4	Dishwashers	234	31.2	16.2
All other craft workers	560	14.8	8.9	Food counter and fountain workers	426	84.3	12.9
Operatives, except transport	10,346	40.1	15.3	Waiters	1,416	89.1	7.1
Assemblers	1,157	53.7	15.2	Food service workers, n.e.c.	525	75.4	22.7
Bottling and canning operatives	49	42.9	16.3	Health service workers	1,898	89.7	24.2
Checkers, examiners, and inspectors; manufacturing	736	51.6	12.4	Dental assistants	138	98.6	6.5
Clothing ironers and pressers	114	78.1	40.4	Health aides, excluding nursing	290	84.1	22.1
Cutting operatives, n.e.c.	267	28.5	16.1	Nursing aides, orderlies, and attendants	1,093	87.5	28.8
Dressmakers, except factory	107	97.2	15.9	Practical nurses	375	97.3	19.2
Drillers, earth	55	--	1.8	Personal service workers	1,733	76.4	15.2
Dry wall installers and lathers	91	--	7.7	Attendants	299	55.2	11.7
Filers, polishers, sanders, and buffers	114	31.6	14.9	Barbers	108	15.7	13.0
Furnace tenders, smelters, and pourers; metal	62	4.8	24.2	Child care workers	432	96.1	16.2
Garage workers and gas station attendants	337	6.2	9.8	Hairdressers and cosmetologists	565	88.3	9.7
Laundry and dry cleaning operatives, n.e.c.	203	63.5	25.6	Housekeepers, excluding private households	133	72.9	18.8
Meat cutters and butchers, except manufacturing	181	6.6	11.0	Welfare service aides	87	88.5	37.9
Meat cutters and butchers, manufacturing	97	32.0	17.5	Protective service workers	1,396	9.5	11.7
Mine operatives, n.e.c.	215	2.8	6.5	Firefighters	227	1.3	7.9
Mixing operatives	89	3.4	18.0	Guards	548	12.4	16.8
Packers and wrappers, excluding meat and produce	600	64.0	19.2	Police and detectives	512	5.5	8.4
Painters, manufactured articles	181	17.1	13.3	Sheriffs and bailiffs	61	11.5	9.8
Photographic process workers	88	52.3	13.6	Farm workers	2,704	18.0	7.4
Precision machine operatives	375	11.7	8.8	Farmers and farm managers	1,485	10.6	2.6
Drill press operatives	61	26.2	13.1	Farmers (owners and tenants)	1,447	10.7	2.6
Grinding machine operatives	134	9.7	9.7	Farm laborers and supervisors	1,218	27.0	13.3
Lathe and milling machine operatives	114	7.0	7.9	Farm laborers, wage workers	895	15.6	16.9
Punch and stamping press operatives	127	34.6	11.8	Farm laborers, unpaid family workers	284	65.5	3.2
Sawyers	106	13.2	17.0				
Sewers and stitchers	788	95.7	19.9				

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

HOUSEHOLD DATA ANNUAL AVERAGES

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

[In thousands]

Age and sex	1980								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	86,706	1,166	15,624	69,915	6,850	404	1,384	1,628	297
16 to 19 years	7,096	250	558	6,288	95	32	265	34	81
16 to 17 years	2,765	187	189	2,390	45	16	134	18	53
18 to 19 years	4,330	64	369	3,898	50	17	131	15	25
20 to 24 years	12,867	85	1,508	11,273	327	29	272	90	25
25 to 34 years	23,938	139	4,535	19,263	1,571	74	323	277	40
35 to 44 years	16,938	140	3,561	13,237	1,707	106	198	251	53
45 to 54 years	14,133	199	3,112	10,822	1,490	94	145	335	51
55 to 64 years	9,664	202	1,993	7,469	1,128	50	122	370	30
55 to 59 years	6,046	112	1,287	4,647	677	29	68	187	20
60 to 64 years	3,617	91	706	2,821	451	21	55	183	10
65 years and over	2,071	150	358	1,564	533	19	59	232	13
Males, 16 years and over	48,468	144	7,684	40,640	4,800	55	1,116	1,446	101
16 to 19 years	3,625	60	252	3,313	58	23	213	32	64
16 to 17 years	1,429	43	95	1,292	25	10	108	17	42
18 to 19 years	2,196	18	157	2,021	33	13	105	15	22
20 to 24 years	6,652	15	633	6,044	226	15	216	84	20
25 to 34 years	13,627	14	2,217	11,396	1,090	5	259	245	6
35 to 44 years	9,569	7	1,739	7,822	1,179	3	153	246	3
45 to 54 years	8,118	13	1,611	6,495	1,068	2	112	289	1
55 to 64 years	5,673	13	1,029	4,630	806	3	106	335	1
55 to 59 years	3,546	8	660	2,879	482	1	59	165	--
60 to 64 years	2,127	6	370	1,752	324	2	47	169	1
65 years and over	1,165	21	204	940	373	5	55	215	6
Females, 16 years and over	38,237	1,023	7,940	29,275	2,050	349	267	162	197
16 to 19 years	3,471	190	306	2,975	37	9	52	2	17
16 to 17 years	1,336	144	94	1,098	20	6	25	1	11
18 to 19 years	2,134	46	211	1,877	17	4	26	1	6
20 to 24 years	6,175	71	876	5,229	101	14	54	6	10
25 to 34 years	10,311	125	2,318	7,867	481	69	64	31	34
35 to 44 years	7,369	133	1,822	5,414	528	103	45	45	50
45 to 54 years	6,015	187	1,501	4,328	421	92	32	46	49
55 to 64 years	3,951	189	964	2,838	322	47	17	35	25
55 to 59 years	2,500	104	628	1,769	195	28	5	21	20
60 to 64 years	1,490	85	336	1,069	127	19	8	14	9
65 years and over	906	129	154	624	160	14	4	17	7

25. Employed persons by industry and occupation

[In thousands]

Industry	1980											
	Total employed	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	Farm workers
Agriculture	3,310	78	35	8	81	61	16	40	273	--	13	2,704
Mining	940	127	81	5	118	239	285	47	26	--	10	--
Construction	6,065	189	780	28	453	3,322	278	186	797	--	33	--
Manufacturing	21,553	2,454	1,682	547	2,691	4,209	7,887	750	961	--	412	--
Durable goods	12,953	1,678	962	205	1,588	2,799	4,597	354	579	--	233	--
Nondurable goods	8,600	776	719	343	1,103	1,411	3,290	395	382	--	180	--
Transportation and public utilities	6,353	610	659	68	1,487	1,357	158	1,439	451	--	165	--
Wholesale and retail trade	19,727	403	3,812	4,063	3,517	1,481	922	721	1,197	--	3,612	--
Wholesale trade	3,627	148	775	905	794	347	189	374	259	--	36	--
Retail trade	15,900	255	3,036	3,159	2,722	1,134	734	346	938	--	3,576	--
Finance, insurance, and real estate	5,860	331	1,125	1,249	2,698	110	10	11	67	--	258	--
Services	28,143	10,369	2,074	197	5,171	1,474	735	226	527	1,041	6,330	--
Private households	1,229	13	1	--	10	6	3	4	111	1,041	41	--
Other service industries	26,914	10,356	2,073	197	5,161	1,468	732	222	416	--	6,289	--
Public administration	5,240	1,052	672	6	1,890	276	53	49	158	--	1,084	--

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

(In thousands)

Industry and sex	1980					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
TOTAL						
Both sexes, 16 years and over:						
Mining	940	911	2	909	27	2
Construction	6,065	4,876	504	4,373	1,150	39
Manufacturing	21,593	21,213	125	21,088	351	30
Durable goods	12,993	12,764	94	12,670	214	16
Nondurable goods	8,600	8,449	31	8,418	137	14
Transportation and public utilities	6,393	6,103	803	5,300	276	14
Wholesale and retail trade	19,727	17,674	53	17,581	1,858	195
Wholesale trade	3,827	3,517	3	3,514	285	24
Retail trade	15,900	14,156	90	14,066	1,573	171
Finance, insurance, and real estate	5,860	5,393	136	5,257	448	18
Services	28,143	25,295	8,722	16,573	2,742	106
Private households	1,229	1,166	--	1,166	62	1
Other service industries	26,914	24,129	8,722	15,407	2,680	105
Business repair	3,756	3,000	34	2,966	722	34
Personal	2,509	1,726	15	1,711	758	25
Entertainment and recreation	1,017	879	87	792	133	5
Professional	19,472	18,408	8,508	9,900	1,025	40
Medical, except hospital	3,280	2,914	503	2,411	340	26
Hospitals	3,947	3,943	1,137	2,806	3	1
Welfare and religion	1,559	1,522	597	924	36	2
Education	7,974	7,838	6,170	1,668	135	1
Other	2,712	2,192	100	2,092	511	9
Forestry and fisheries	160	116	79	37	43	2
Public administration	5,240	5,240	5,240	--	--	--
Males						
Mining	813	787	1	786	26	--
Construction	5,580	4,459	459	4,000	1,115	6
Manufacturing	14,807	14,519	97	14,422	283	5
Durable goods	9,699	9,508	77	9,431	186	3
Nondurable goods	5,108	5,012	21	4,991	94	2
Transportation and public utilities	4,785	4,531	611	3,920	251	2
Wholesale and retail trade	10,566	9,375	39	9,336	1,165	26
Wholesale trade	2,837	2,585	2	2,583	249	4
Retail trade	7,729	6,790	37	6,753	916	23
Finance, insurance, and real estate	2,450	2,139	78	2,060	311	1
Services	10,959	9,294	3,035	6,260	1,650	15
Private households	145	144	--	144	1	--
Other service industries	10,814	9,150	3,035	6,116	1,649	15
Business repair	2,526	1,938	19	1,919	583	5
Personal	857	620	5	616	231	6
Entertainment and recreation	618	525	55	471	92	1
Professional	6,683	5,976	2,900	3,076	705	2
Medical, except hospital	843	572	153	419	270	1
Hospitals	899	897	333	563	2	--
Welfare and religion	646	620	163	457	25	--
Education	2,776	2,755	2,185	570	21	--
Other	1,520	1,132	66	1,066	388	1
Forestry and fisheries	129	90	56	34	38	1
Public administration	3,365	3,365	3,365	--	--	--
Females						
Mining	127	124	1	123	1	2
Construction	485	418	45	372	35	32
Manufacturing	6,786	6,693	27	6,666	68	25
Durable goods	3,294	3,256	17	3,239	25	13
Nondurable goods	3,492	3,437	10	3,427	43	12
Transportation and public utilities	1,608	1,572	192	1,380	24	12
Wholesale and retail trade	9,161	8,299	54	8,245	693	169
Wholesale trade	589	932	1	932	36	20
Retail trade	8,172	7,367	53	7,313	657	148
Finance, insurance, and real estate	3,409	3,255	58	3,197	137	18
Services	17,185	16,001	5,687	10,314	1,092	92
Private households	1,685	1,023	--	1,023	61	1
Other service industries	16,100	14,978	5,687	9,291	1,031	51
Business repair	1,229	1,061	15	1,047	135	29
Personal	1,652	1,105	10	1,095	527	19
Entertainment and recreation	398	354	32	322	41	4
Professional	12,789	12,432	5,608	6,825	315	37
Medical, except hospital	2,438	2,343	350	1,992	70	25
Hospitals	3,048	3,046	804	2,242	1	1
Welfare and religion	914	901	435	467	11	1
Education	5,197	5,082	3,985	1,098	114	1
Other	1,192	1,060	34	1,026	124	9
Forestry and fisheries	31	25	23	3	5	1
Public administration	1,876	1,876	1,876	--	--	--

HOUSEHOLD DATA ANNUAL AVERAGES

27. Employed persons by industry, sex, and occupation

(Percent distribution)

Industry and sex	1980												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service workers		
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
TOTAL													
Agriculture	3,310	100.0	2.4	1.1	.2	2.4	1.8	.5	1.2	8.2	--	.4	81.7
Mining	940	100.0	13.5	8.6	.5	12.6	25.4	30.3	5.0	2.8	--	1.1	--
Construction	6,065	100.0	3.1	12.9	.5	7.5	54.8	4.6	3.1	13.1	--	.5	--
Manufacturing	21,593	100.0	11.4	7.8	2.5	12.5	19.5	36.5	3.5	4.5	--	1.9	--
Durable goods	12,993	100.0	12.9	7.4	1.6	12.2	21.5	35.4	2.7	4.5	--	1.8	--
Nondurable goods	8,600	100.0	9.0	8.4	4.0	12.8	16.4	38.3	4.6	4.4	--	2.1	--
Transportation and public utilities	6,393	100.0	9.5	10.3	1.1	23.3	21.2	2.5	22.5	7.1	--	2.6	--
Wholesale and retail trade	19,727	100.0	2.0	19.3	20.6	17.8	7.5	4.7	3.7	6.1	--	18.3	--
Wholesale trade	3,827	100.0	3.9	20.3	23.6	20.7	9.1	4.9	9.8	6.8	--	.9	--
Retail trade	15,900	100.0	1.6	19.1	19.9	17.1	7.1	4.6	2.2	5.9	--	22.5	--
Finance, insurance, and real estate	5,860	100.0	5.6	19.2	21.3	46.0	1.9	.2	.2	1.1	--	4.4	--
Services	28,143	100.0	36.8	7.4	.7	18.4	5.2	2.6	.8	1.9	3.7	22.5	--
Private households	1,229	100.0	1.1	.1	--	.8	.5	.2	.3	9.0	84.7	3.3	--
Other service industries	26,914	100.0	38.5	7.7	.7	19.2	5.5	2.7	.8	1.5	--	23.4	--
Public administration	5,240	100.0	20.1	12.8	.1	36.1	5.3	1.0	.9	3.0	--	20.7	--
Males													
Agriculture	2,664	100.0	2.3	1.1	.2	.3	2.3	.5	1.4	8.6	--	.3	83.3
Mining	813	100.0	13.8	9.0	.6	3.4	29.2	34.2	5.7	3.1	--	1.1	--
Construction	5,580	100.0	2.9	13.3	.4	2.0	58.8	4.9	3.3	13.9	--	.4	--
Manufacturing	14,807	100.0	13.4	9.9	2.9	5.5	26.0	29.6	4.9	5.5	--	2.3	--
Durable goods	9,699	100.0	14.9	8.8	1.8	5.4	27.1	31.1	3.6	5.2	--	2.0	--
Nondurable goods	5,108	100.0	10.5	12.1	4.9	5.5	23.9	26.8	7.4	5.9	--	2.9	--
Transportation and public utilities	4,785	100.0	10.3	11.1	.8	9.7	27.6	3.1	26.4	9.1	--	2.1	--
Wholesale and retail trade	10,566	100.0	2.5	25.8	18.6	5.4	12.4	6.2	6.5	9.5	--	13.1	--
Wholesale trade	2,837	100.0	3.9	23.8	28.6	6.4	11.5	4.1	12.9	7.9	--	.8	--
Retail trade	7,729	100.0	2.0	26.5	15.0	5.0	12.7	7.0	4.2	10.1	--	17.6	--
Finance, insurance, and real estate	2,450	100.0	8.0	29.4	32.6	15.2	4.2	.2	.4	2.5	--	7.5	--
Services	10,959	100.0	42.7	11.8	1.0	5.1	12.3	3.6	1.7	4.2	.2	17.3	--
Private households	145	100.0	1.4	--	--	--	3.4	.7	2.1	72.4	17.9	2.1	--
Other service industries	10,814	100.0	43.3	11.9	1.0	5.2	12.4	3.7	1.7	3.2	--	17.5	--
Public administration	3,365	100.0	22.1	14.4	.1	20.1	8.0	1.3	1.4	4.3	--	28.3	--
Females													
Agriculture	646	100.0	2.8	.9	.5	11.6	.2	.6	.3	6.8	--	.9	75.2
Mining	127	100.0	11.8	6.3	--	71.7	2.4	4.7	.8	.8	--	.8	--
Construction	485	100.0	5.6	7.6	.8	69.9	8.7	1.2	.6	4.3	--	1.6	--
Manufacturing	6,786	100.0	7.0	3.1	1.8	27.7	5.2	51.5	.3	2.2	--	1.1	--
Durable goods	3,294	100.0	7.1	3.3	.9	32.2	5.1	47.9	.2	2.1	--	1.2	--
Nondurable goods	3,492	100.0	6.8	2.9	2.6	23.5	5.4	55.0	.4	2.3	--	1.0	--
Transportation and public utilities	1,608	100.0	7.4	8.1	1.9	63.6	2.4	.8	11.1	.9	--	3.9	--
Wholesale and retail trade	9,161	100.0	1.5	11.9	22.9	32.2	1.9	2.9	.3	2.1	--	24.4	--
Wholesale trade	989	100.0	3.5	10.2	9.4	62.0	2.0	7.4	.9	3.4	--	1.2	--
Retail trade	8,172	100.0	1.3	12.1	24.5	28.6	1.9	2.4	.2	1.9	--	27.2	--
Finance, insurance, and real estate	3,409	100.0	4.0	11.9	13.2	68.2	.2	.2	--	.1	--	2.2	--
Services	17,185	100.0	33.1	4.6	.5	26.8	.7	2.0	.2	.4	5.9	25.8	--
Private households	1,085	100.0	1.0	.1	--	.9	.1	.2	.2	.6	93.5	3.5	--
Other service industries	16,100	100.0	35.2	4.9	.5	28.6	.8	2.1	.2	.4	--	27.3	--
Public administration	1,876	100.0	16.5	10.0	.1	64.6	.4	.5	.2	.7	--	7.0	--

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28. Employed persons by industry, race, and occupation

(Percent distribution)

Industry and race	1980												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service workers		
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
WHITE													
Agriculture	3,052	100.0	2.5	1.1	.3	2.6	1.8	.5	1.1	7.7	--	.4	82.0
Mining	898	100.0	13.6	9.0	.6	12.2	26.1	30.0	5.0	2.7	--	1.0	--
Construction	5,584	100.0	3.1	13.6	.5	7.8	55.2	4.6	2.8	11.9	--	.5	--
Manufacturing	19,146	100.0	12.0	8.5	2.8	12.9	20.0	34.7	3.4	4.1	--	1.7	--
Durable goods	11,620	100.0	13.6	8.1	1.7	12.6	22.0	33.8	2.6	4.1	--	1.6	--
Nondurable goods	7,525	100.0	9.6	9.2	4.4	13.3	17.0	36.0	4.5	4.1	--	1.8	--
Transportation and public utilities	5,586	100.0	10.0	11.2	1.1	22.8	22.2	2.5	21.9	6.2	--	2.2	--
Wholesale and retail trade	18,067	100.0	2.1	20.0	21.2	17.8	7.6	4.5	3.4	5.8	--	17.6	--
Wholesale trade	3,538	100.0	4.0	21.2	24.8	21.1	8.9	4.4	8.8	6.0	--	.8	--
Retail trade	14,530	100.0	1.7	19.7	20.3	17.0	7.3	4.5	2.0	5.7	--	21.7	--
Finance, insurance, and real estate	5,318	100.0	5.5	20.2	22.6	44.9	1.8	.1	.2	1.1	--	3.6	--
Services	24,281	100.0	38.7	7.9	.8	18.9	5.5	2.4	.8	1.8	2.9	20.3	--
Private households	842	100.0	1.3	.1	--	1.1	.6	.2	.4	10.6	82.4	3.3	--
Other service industries	23,439	100.0	40.1	8.2	.8	19.6	5.7	2.5	.8	1.5	--	20.9	--
Public administration	4,449	100.0	20.8	13.6	.1	34.5	5.3	.9	.8	2.7	--	21.3	--
BLACK AND OTHER													
Agriculture	258	100.0	1.2	.4	--	1.2	1.9	.8	2.3	14.3	--	.8	77.5
Mining	41	100.0	14.6	--	--	19.5	14.6	39.0	4.9	4.9	--	2.4	--
Construction	481	100.0	3.1	4.2	.4	3.5	50.1	4.4	6.0	27.0	--	1.5	--
Manufacturing	2,448	100.0	6.4	1.9	.7	9.2	15.3	51.1	4.4	7.4	--	3.6	--
Durable goods	1,373	100.0	7.5	1.7	.4	8.7	18.0	48.8	3.9	7.9	--	3.4	--
Nondurable goods	1,075	100.0	4.9	2.2	1.1	9.7	11.9	54.0	5.1	7.0	--	4.0	--
Transportation and public utilities	807	100.0	6.3	4.3	.9	26.5	14.4	2.4	26.9	12.9	--	5.3	--
Wholesale and retail trade	1,660	100.0	1.4	11.9	13.9	18.1	6.6	6.6	6.7	9.2	--	25.8	--
Wholesale trade	289	100.0	2.4	9.0	9.3	17.0	11.1	11.4	21.5	15.6	--	3.1	--
Retail trade	1,371	100.0	1.1	12.5	14.8	18.3	5.6	5.5	3.6	7.8	--	30.6	--
Finance, insurance, and real estate	541	100.0	7.0	9.1	8.8	57.5	2.8	.7	.4	1.8	--	11.8	--
Services	3,862	100.0	25.0	4.0	.2	14.8	3.5	3.8	1.0	2.4	9.0	36.2	--
Private households	387	100.0	.5	--	--	--	.3	.3	.3	5.7	89.4	3.1	--
Other service industries	3,475	100.0	27.8	4.4	.3	16.5	3.9	4.1	1.1	2.1	--	39.9	--
Public administration	792	100.0	15.7	8.2	--	44.9	5.2	1.6	1.9	5.1	--	17.2	--

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Percent distribution)

Sex, age, and race	1980									
	Mining	Construc- tion	Manufacturing			Trans- portation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service industries ¹	Public adminis- tration
			Total	Durable goods	Non- durable goods					
TOTAL										
Total, 16 years and over (in thousands)	940	6,065	21,593	12,993	8,600	6,393	19,727	5,860	26,914	5,240
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16 to 19 years	3.4	6.1	4.4	3.7	5.4	2.7	17.3	5.1	5.9	2.9
20 years and over	96.5	93.9	95.6	96.3	94.6	97.3	82.7	94.9	94.1	97.1
20 to 24 years	16.8	15.3	13.8	13.8	13.9	11.8	17.0	16.3	12.9	9.6
25 years and over	79.8	78.5	81.8	82.5	80.7	85.5	65.7	78.6	81.2	87.5
25 to 54 years	68.4	65.8	67.7	68.5	66.3	72.6	52.4	64.1	66.1	71.9
55 years and over	11.4	12.7	14.2	14.0	14.4	12.9	13.3	14.5	15.1	15.6
Males, 16 years and over	813	5,580	14,807	9,699	5,108	4,785	10,566	2,450	10,814	3,365
16 to 19 years	3.4	6.1	4.1	3.4	5.5	2.6	16.3	3.0	6.3	1.8
20 years and over	96.6	93.9	95.9	96.6	94.5	97.4	83.7	97.0	93.7	98.2
20 to 24 years	15.7	15.3	13.0	13.1	12.9	10.6	16.3	10.0	12.0	7.0
25 years and over	80.8	78.6	82.9	83.5	81.6	86.8	67.4	86.9	81.7	91.2
25 to 54 years	69.0	65.6	68.1	68.9	66.5	72.5	53.7	67.1	64.9	74.9
55 years and over	11.7	13.0	14.8	14.6	15.1	14.2	13.7	19.8	16.8	16.3
Females, 16 years and over	127	485	6,786	3,294	3,492	1,608	9,161	3,409	16,100	1,876
16 to 19 years	3.2	5.8	5.0	4.6	5.3	3.0	18.4	6.6	5.6	4.7
20 years and over	96.8	94.2	95.0	95.4	94.7	97.0	81.6	93.4	94.4	95.3
20 to 24 years	23.8	15.9	15.5	15.7	15.3	15.5	17.9	20.8	13.6	14.2
25 years and over	73.8	78.4	79.5	79.7	79.4	81.7	63.6	72.6	80.8	81.0
25 to 54 years	64.3	68.2	66.7	67.5	66.0	72.8	50.9	61.9	66.9	66.6
55 years and over	9.5	10.1	12.8	12.2	13.4	8.8	12.8	10.7	13.9	14.3
White										
Males, 16 years and over	781	5,122	13,254	8,719	4,535	4,210	9,625	2,241	9,604	2,943
16 to 19 years	3.5	6.3	4.3	3.5	5.7	2.7	16.4	2.8	6.2	1.7
20 years and over	96.5	93.7	95.7	96.5	94.3	97.3	83.6	97.2	93.8	98.3
20 to 24 years	15.9	15.5	12.9	13.0	12.7	10.5	16.2	9.5	11.6	6.6
25 years and over	80.7	78.2	82.9	83.5	81.6	86.8	67.4	87.7	82.2	91.7
25 to 54 years	68.8	65.2	67.7	68.5	66.1	72.0	53.5	67.2	65.0	75.0
55 years and over	11.8	13.0	15.2	15.0	15.6	14.8	13.9	20.6	17.2	16.7
Females, 16 years and over	118	461	5,892	2,901	2,990	1,376	8,442	3,077	13,835	1,505
16 to 19 years	3.4	5.4	5.2	4.9	5.6	3.1	18.8	6.7	5.7	4.4
20 years and over	96.6	94.6	94.8	95.1	94.4	96.9	81.2	93.3	94.3	95.6
20 to 24 years	23.1	15.6	15.5	15.8	15.3	15.4	17.8	20.6	13.9	13.4
25 years and over	74.4	78.7	79.2	79.4	79.1	81.5	63.5	72.7	80.4	82.3
25 to 54 years	64.1	68.3	65.5	66.3	64.7	72.0	50.4	61.3	66.2	66.4
55 years and over	10.3	10.6	13.7	13.0	14.3	9.4	13.1	11.4	14.2	15.9
Black and other										
Males, 16 years and over	32	457	1,553	980	573	574	941	209	1,210	421
16 to 19 years	3.1	4.4	2.7	2.1	3.7	1.7	14.9	5.7	7.4	2.8
20 years and over	96.9	95.6	97.3	97.9	96.3	98.3	85.1	94.3	92.6	97.2
20 to 24 years	15.6	12.5	14.5	14.4	14.7	11.5	17.1	15.8	14.6	9.5
25 years and over	84.4	83.2	82.7	83.5	81.7	86.9	68.0	78.5	78.0	87.7
25 to 54 years	71.9	70.7	71.5	72.1	70.4	76.8	56.0	66.0	64.0	73.9
55 years and over	9.4	12.7	11.3	11.3	11.3	10.1	11.9	12.4	14.0	14.0
Females, 16 years and over	9	24	894	393	501	232	719	333	2,265	370
16 to 19 years	--	12.5	3.0	2.8	3.4	2.6	14.6	6.0	4.7	6.2
20 years and over	100.0	87.5	97.0	97.2	96.6	97.4	85.4	94.0	95.3	93.8
20 to 24 years	33.3	20.8	15.3	15.2	15.3	15.5	19.7	22.5	11.9	17.8
25 years and over	66.7	66.7	81.8	81.7	81.5	81.5	65.6	71.2	83.4	75.7
25 to 54 years	66.7	62.5	74.8	75.9	73.7	76.8	56.7	67.3	71.5	67.9
55 years and over	--	4.2	6.9	5.8	7.6	4.7	8.9	3.9	11.9	7.8

¹ Excludes private households.

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Industry	1980			Industry	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	97,270	42.4	11.2	Nondurable goods industries—Continued			
Agriculture, forestry, and fisheries	3,470	19.5	7.8	Tobacco manufactures	57	36.8	29.8
Agricultural production	2,760	18.7	7.3	Textile mill products	782	48.6	17.6
Agricultural services, except horticultural	267	40.1	7.1	Knitting mills	195	65.6	16.4
Horticultural services	284	8.5	13.4	Yarn, thread, and fabric mills	432	44.9	19.0
Forestry	96	27.1	5.2	Miscellaneous textile mill products	62	35.5	16.1
Fisheries	64	7.8	10.9	Apparel and other fabricated textile products	1,250	77.8	18.3
Mining	940	13.5	4.4	Apparel and accessories	1,084	80.0	18.6
Metal mining	107	9.3	3.7	Miscellaneous fabricated textile products	166	63.3	16.3
Coal mining	246	6.5	3.3	Paper and allied products	706	22.8	10.1
Crude petroleum and natural gas extraction	482	18.5	5.0	Pulp, paper, and paperboard mills	302	13.6	8.6
Nonmetallic mining and quarrying, except fuel	105	11.4	5.7	Miscellaneous paper and pulp products	217	34.6	8.8
Construction	6,065	8.0	7.9	Paperboard containers and boxes	187	24.1	14.4
General building contractors	1,619	8.2	7.6	Printing, publishing, and allied industries	1,554	39.6	7.6
General contractors, except building	1,066	8.3	9.2	Newspaper publishing and printing	494	39.5	5.9
Special trade contractors	2,934	7.3	7.1	Printing, publishing, and allied industries, except newspapers	1,061	39.7	8.4
Not specified construction	446	11.2	11.7	Chemicals and allied products	1,286	26.7	11.7
Manufacturing	21,593	31.4	11.3	Industrial chemicals	489	17.4	10.8
Durable goods	12,993	25.4	10.6	Plastics, synthetics and resins, except fibers	78	15.4	9.0
Lumber and wood products, except furniture	669	13.2	17.6	Synthetic fibers	83	32.5	14.5
Logging	161	3.7	19.9	Drugs and medicines	218	42.2	11.9
Sawmills, planing mills, and mill work	365	14.0	16.4	Soaps and cosmetics	154	46.1	11.0
Miscellaneous wood products	143	22.4	17.5	Paints, varnishes, and related products	84	16.7	13.1
Furniture and fixtures	510	30.0	9.6	Agricultural chemicals	69	24.6	17.4
Stone, clay, and glass products	637	19.2	10.8	Miscellaneous chemicals	112	22.3	10.7
Glass and glass products	195	28.2	12.3	Petroleum and coal products	225	18.7	12.0
Cement, concrete, gypsum, and plaster products	216	10.2	9.7	Petroleum refining	200	18.5	11.5
Miscellaneous nonmetallic mineral and stone products	156	17.3	9.6	Rubber and miscellaneous plastic products	687	34.8	10.6
Primary metal industries	1,169	11.5	15.3	Rubber products	277	27.8	11.9
Blast furnaces, steelworks, rolling and finishing mills	437	7.1	14.6	Miscellaneous plastic products	410	39.5	9.8
Other primary iron and steel industries	338	11.8	19.5	Leather and leather products	267	65.5	9.0
Primary aluminum industries	193	12.4	11.4	Footwear, except rubber	189	68.8	6.3
Other primary nonferrous industries	201	19.4	12.9	Leather products, except footwear	61	68.9	13.1
Fabricated metal products	1,477	20.7	8.1	Transportation, communications, and other public utilities	6,393	25.2	12.6
Cutlery, hand tools and other hardware	171	37.4	9.4	Transportation	3,596	19.2	12.6
Fabricated structural metal products	582	14.3	7.0	Railroads and railway express service	575	6.1	10.1
Screw machine products	89	23.6	6.7	Street railways and bus lines	520	37.1	22.1
Metal stamping	139	22.3	9.4	Taxicab service	106	10.4	26.4
Miscellaneous fabricated metal products	496	21.4	9.1	Trucking service	1,346	10.8	9.2
Machinery, except electrical	2,790	21.0	6.8	Warehousing and storage	142	23.2	12.0
Engines and turbines	132	18.9	8.3	Water transportation	191	11.5	15.7
Farm machinery and equipment	192	14.1	7.3	Air transportation	517	28.4	11.8
Construction and material handling machines	406	14.5	7.9	Services incidental to transportation	184	56.0	9.2
Metalworking machinery	383	17.5	4.2	Communications	1,420	47.3	13.1
Office and accounting machines	133	34.6	8.3	Radio broadcasting and television	193	36.8	9.3
Electronic computing equipment	456	34.4	8.6	Telephone (wire and radio)	1,132	50.1	14.4
Machinery, except electrical, n.e.c.	1,088	18.8	6.2	Telegraph and miscellaneous communications services	95	36.8	5.3
Electrical machinery, equipment, and supplies	2,294	43.5	11.2	Utilities and sanitary services	1,377	17.9	12.2
Household appliances	160	37.5	11.3	Electric light and power	602	17.8	9.1
Radio, T.V., and communication equipment	612	40.8	12.6	Electric-gas utilities	182	22.0	12.6
Electrical machinery, equipment, and supplies, n.e.c.	1,515	45.2	10.6	Gas and steam supply systems	168	26.8	7.7
Transportation equipment	2,100	17.0	12.9	Water supply	165	17.6	13.9
Motor vehicles and motor vehicle equipment	1,010	15.9	13.0	Sanitary services	221	6.8	23.5
Aircraft and parts	657	21.9	10.8	Wholesale and retail trade	19,727	46.4	8.4
Ship and boat building and repairing	278	10.8	19.1	Wholesale trade	3,827	25.8	7.6
Mobile dwellings and campers	54	14.8	5.6	Motor vehicles and equipment	243	19.8	5.8
Professional and photographic equipment, and watches	604	42.9	8.6	Drugs, chemicals, and allied products	175	30.9	6.3
Scientific and controlling instruments	189	38.6	9.0	Dry goods and apparel	106	42.5	8.5
Optical and health services supplies	238	54.2	8.0	Food and related products	563	24.7	11.2
Photographic equipment and supplies	148	28.4	9.5	Farm products—raw materials	108	26.9	6.5
Ordnance	241	26.1	6.6	Electrical goods	222	28.8	6.8
Miscellaneous manufacturing industries	502	45.0	10.8	Hardware, plumbing, and heating supplies	175	22.9	4.0
Nondurable goods industries	8,600	40.6	12.5	Machinery equipment and supplies	860	25.6	5.3
Food and kindred products	1,763	30.3	12.6	Metals and minerals, n.e.c.	128	20.3	8.6
Meat products	385	31.9	14.5	Petroleum products	167	28.7	6.0
Dairy products	199	22.6	7.0	Scrap and waste materials	140	9.3	16.4
Canning and preserving fruits, vegetables, and seafood	264	46.2	12.1	Alcoholic beverages	129	17.8	8.5
Grain-mill products	159	23.3	9.4	Paper and its products	102	32.4	9.8
Bakery products	255	30.2	15.7	Lumber and construction materials	158	17.1	5.7
Confectionery and related products	61	52.5	16.4	Wholesalers, n.e.c.	539	32.5	7.8
Beverage industries	244	16.8	11.5	Retail trade	15,900	51.4	8.6
Miscellaneous food preparation and kindred products	194	29.4	14.9	Lumber and building material retailing	451	22.4	6.0
				Hardware and farm equipment stores	318	29.6	3.8
				Department and mail order establishments	1,987	71.6	11.9

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Industry	1980			Industry	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Wholesale and retail trade—Continued				Service industries—Continued			
Retail trade—Continued				Business and repair services—Continued			
Limited price variety stores	154	73.4	10.4	Automobile services, except repair	217	23.5	15.2
Vending machine operators	74	29.7	8.1	Automobile repair and related services	707	9.2	8.1
Direct selling establishments	322	78.0	5.6	Electrical repair shops	140	15.0	7.1
Miscellaneous general merchandise stores	184	70.1	9.2	Miscellaneous repair services	384	13.5	5.2
Grocery stores	2,210	45.2	8.4	Personal services	3,738	73.2	20.5
Dairy products stores	55	67.3	7.3	Private households	1,229	88.3	31.5
Retail bakeries	135	65.2	4.4	Hotels and motels	739	57.8	22.5
Food stores, n.e.c.	168	53.0	8.9	Lodging places, except hotels and motels	367	80.1	7.4
Motor vehicle dealers	854	15.7	5.9	Laundry, cleaning, and other garment services	387	57.6	22.2
Tire, battery, and accessory dealers	321	17.1	5.9	Beauty shops	577	88.2	9.9
Gasoline service stations	589	15.4	5.6	Barber shops	108	15.7	13.0
Miscellaneous vehicle dealers	117	23.1	1.7	Dressmaking shops	45	97.8	15.6
Apparel and accessory stores, except shoe stores	684	76.6	8.5	Miscellaneous personal services	264	50.8	7.2
Shoe stores	152	48.0	10.5	Entertainment and recreation services	1,017	39.1	8.8
Furniture and home furnishings stores	469	35.8	6.0	Theaters and motion pictures	331	35.6	7.6
Household appliances, T.V., and radio stores	290	26.9	5.2	Bowling alleys, billiard and pool parlors	90	44.4	5.6
Eating and drinking places	4,279	60.0	11.0	Miscellaneous entertainment and recreation services	596	40.3	9.9
Drug stores	443	63.4	5.9	Professional and related services	19,472	65.7	13.4
Liquor stores	140	33.6	12.9	Offices of physicians	756	66.3	6.0
Farm and garden supply stores	157	26.1	8.3	Offices of dentists	407	67.3	3.9
Jewelry stores	160	56.9	8.1	Hospitals	3,947	77.2	19.6
Fuel and ice dealers	98	24.5	5.1	Convalescent institutions	1,185	87.1	18.2
Retail florists	145	67.6	7.6	Offices of health practitioners, n.e.c.	85	58.8	3.5
Miscellaneous retail stores	932	55.8	5.5	Health services, n.e.c.	806	69.6	17.5
Finance, insurance, and real estate	5,860	58.2	9.2	Legal services	759	51.1	4.0
Banking	1,641	71.4	11.7	Elementary and secondary schools	5,467	71.0	13.1
Credit agencies	531	65.9	6.8	Colleges and universities	2,066	48.8	11.0
Security, commodity brokerage, and investment companies	332	37.0	6.3	Libraries	154	81.2	11.0
Insurance	1,817	57.0	9.1	Educational services, n.e.c.	284	63.7	9.9
Real estate, including real estate-insurance-law offices	1,538	47.3	8.2	Museums, art galleries, and zoos	61	55.7	13.1
Service industries	27,983	61.3	13.8	Religious organizations	598	40.1	7.2
Business and repair services	3,756	32.7	10.3	Welfare services	823	70.2	24.3
Advertising	187	46.0	5.9	Residential welfare facilities	139	68.3	15.1
Services to dwellings and other buildings	362	35.6	24.0	Nonprofit membership organizations	452	57.5	9.7
Commercial research, development, and testing labs	163	30.7	9.2	Engineering and architectural services	581	21.0	6.4
Employment and temporary help agencies	231	74.5	11.7	Accounting, auditing, and bookkeeping services	464	46.3	4.1
Business management and consulting services	301	55.1	6.0	Miscellaneous professional and related services	395	43.5	5.3
Computer programming services	216	36.6	8.3	Public administration	5,240	35.8	15.1
Detective and protective services	206	19.4	16.5	Postal service	688	24.6	19.6
Business services, n.e.c.	642	50.0	8.6	Federal public administration	1,672	39.5	18.5
				State public administration	948	40.8	10.8
				Local public administration	1,933	34.1	12.7

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	1979				1980		Paid absences ²		Unpaid absences^{2}
			1979	1980			1979	1980	1979	1980
Total, 16 years and over	5,658	5,785	5,514	5,635	2,772	2,862	2,208	2,195
Vacation	3,143	3,268	3,100	3,226	2,056	2,153	851	860
Illness	1,400	1,404	1,367	1,370	544	528	711	720
Bad weather	196	153	162	118	--	--	--	--
Industrial dispute	122	104	121	104	--	--	--	--
All other reasons	798	856	764	817	172	181	645	615
Males, 16 years and over	3,031	3,057	2,907	2,930	1,598	1,618	993	965
Vacation	1,615	1,642	1,581	1,608	1,180	1,213	291	275
Illness	786	775	758	747	324	308	368	369
All other reasons ³	630	638	568	575	54	98	335	321
Females, 16 years and over	2,627	2,728	2,607	2,706	1,174	1,243	1,214	1,230
Vacation	1,528	1,626	1,520	1,618	876	940	561	586
Illness	614	628	608	623	220	220	342	351
All other reasons ³	486	474	480	464	78	83	310	293

¹ Excludes private household workers.

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

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

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

32. Persons at work by hours of work and industry

Hours of work	1980					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	91,486	88,325	3,160	100.0	100.0	100.0
1-34 hours	22,930	21,984	945	25.1	24.9	29.9
1-4 hours	747	708	39	.8	.8	1.2
5-14 hours	4,114	3,886	228	4.5	4.4	7.2
15-29 hours	11,175	10,711	463	12.2	12.1	14.7
30-34 hours	6,894	6,679	215	7.5	7.6	6.8
35 hours and over	68,557	66,341	2,215	74.9	75.1	70.1
35-39 hours	6,531	6,395	135	7.1	7.2	4.3
40 hours	38,917	38,407	510	42.5	43.5	16.1
41 hours and over	23,109	21,539	1,570	25.3	24.4	49.7
41 to 48 hours	9,031	8,788	243	9.9	9.9	7.7
49 to 59 hours	7,918	7,494	424	8.7	8.5	13.4
60 hours and over	6,160	5,257	903	6.7	6.0	28.6
Average hours, total at work	38.5	38.3	45.1	--	--	--
Average hours, workers on full-time schedules	42.8	42.5	53.3	--	--	--

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

[Numbers in thousands]

Reason for working less than 35 hours	1980					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	22,930	7,680	15,249	21,984	7,350	14,634
Economic reasons	4,214	1,807	2,407	3,965	1,669	2,296
Slack work	2,226	1,433	793	2,041	1,306	735
Material shortages or repairs to plant and equipment	70	70	--	68	68	--
New job started during week	208	208	--	202	202	--
Job terminated during week	96	96	--	94	94	--
Could find only part-time work	1,614	--	1,614	1,560	--	1,560
Other reasons	18,716	5,874	12,842	18,021	5,683	12,338
Does not want, or unavailable for, full-time work	10,731	--	10,731	10,345	--	10,345
Vacation	1,099	1,099	--	1,082	1,082	--
Illness	1,823	1,650	173	1,775	1,621	154
Bad weather	522	522	--	432	432	--
Industrial dispute	26	26	--	26	26	--
Legal or religious holiday	1,111	1,111	--	1,109	1,109	--
Full time for this job	1,419	--	1,419	1,368	--	1,368
All other reasons	1,983	1,465	518	1,882	1,412	470
Average hours:						
Economic reasons	22.0	24.1	20.4	22.1	24.3	20.5
Other reasons	21.3	26.7	18.8	21.4	26.8	18.9
Worked 30 to 34 hours:						
Economic reasons	1,328	780	548	1,261	735	526
Other reasons	5,566	3,332	2,234	5,418	3,262	2,156

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

[Numbers in thousands]

Industry	1980								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status								
		On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total, 16 years and over¹	88,325	3,965	12,338	72,022	50,483	8,788	12,751	38.3	42.5	
Wage and salary workers	81,590	3,507	11,110	66,973	48,210	8,243	10,520	38.1	42.1	
Construction	4,622	324	227	4,071	3,054	426	591	38.8	41.2	
Manufacturing	19,980	670	647	18,663	13,524	2,677	2,462	40.6	41.8	
Durable goods	12,021	293	263	11,465	8,343	1,639	1,483	41.0	41.8	
Nondurable goods	7,959	376	384	7,199	5,181	1,039	979	39.9	41.8	
Transportation and public utilities	5,697	170	344	5,183	3,631	632	920	40.8	42.9	
Wholesale and retail trade	16,881	1,082	4,199	11,600	7,451	1,793	2,356	36.0	43.2	
Finance, insurance, and real estate	5,148	101	535	4,512	3,456	455	601	38.5	41.0	
Service industries	23,457	1,056	4,861	17,540	13,063	1,706	2,771	36.0	41.7	
Private households	1,108	171	576	361	253	33	75	23.6	43.5	
All other industries	22,349	885	4,285	17,179	12,810	1,673	2,696	36.6	41.7	
Public administration	4,964	85	281	4,598	3,587	434	577	39.6	41.2	
Self-employed workers	6,331	441	1,056	4,834	2,148	522	2,164	41.2	48.4	
Unpaid family workers	404	17	172	215	125	23	67	34.7	45.7	

¹ Includes mining, not shown separately.

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

(Numbers in thousands)

Sex, age, race, and marital status	1980							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	88,325	3,965	12,338	72,022	50,483	21,539	38.3	42.5
16 to 21 years	11,802	1,062	4,195	6,545	5,159	1,386	30.6	40.6
16 to 19 years	6,956	684	3,309	2,963	2,375	588	27.2	40.2
16 to 17 years	2,717	247	1,993	477	402	75	20.2	38.7
18 to 19 years	4,239	438	1,316	2,485	1,972	513	31.6	40.4
20 years and over	81,370	3,281	9,029	69,060	48,110	20,950	39.2	42.6
20 to 24 years	12,664	803	1,708	10,153	7,659	2,494	37.2	41.4
25 years and over	68,706	2,477	7,322	58,907	40,450	18,457	39.6	42.9
25 to 44 years	41,776	1,529	3,756	36,491	24,690	11,801	40.1	43.0
45 to 64 years	24,538	850	2,402	21,286	14,973	6,313	39.8	42.7
65 years and over	2,391	99	1,164	1,128	786	342	29.0	42.5
Males, 16 years and over	50,394	1,855	3,765	44,774	28,302	16,472	41.2	43.9
16 to 21 years	6,054	500	1,959	3,595	2,637	958	32.1	41.6
16 to 19 years	3,571	325	1,580	1,666	1,259	407	28.7	41.0
16 to 17 years	1,409	129	993	287	237	50	21.4	39.2
18 to 19 years	2,162	195	587	1,380	1,024	356	33.5	41.4
20 years and over	46,824	1,530	2,185	43,109	27,043	16,066	42.1	44.0
20 to 24 years	6,661	391	675	5,595	3,840	1,755	39.0	42.6
25 years and over	40,162	1,138	1,509	37,515	23,204	14,311	42.6	44.2
25 to 44 years	24,212	726	463	23,023	13,894	9,129	43.4	44.4
45 to 64 years	14,543	362	424	13,757	8,819	4,938	42.6	43.8
65 years and over	1,407	51	623	733	487	246	30.6	42.9
Females, 16 years and over	37,931	2,110	8,573	27,248	22,182	5,066	34.4	40.3
16 to 21 years	5,748	561	2,237	2,950	2,522	428	29.0	35.4
16 to 19 years	3,385	360	1,728	1,297	1,115	182	25.6	39.1
16 to 17 years	1,308	118	1,000	190	166	24	19.0	37.8
18 to 19 years	2,077	243	729	1,105	947	158	29.7	35.3
20 years and over	34,546	1,750	6,845	25,951	21,066	4,885	35.3	40.3
20 to 24 years	6,003	412	1,032	4,559	3,820	739	35.2	39.9
25 years and over	28,544	1,339	5,813	21,392	17,246	4,146	35.3	40.4
25 to 44 years	17,564	802	3,293	13,469	10,796	2,673	35.7	40.4
45 to 64 years	9,995	487	1,979	7,529	6,152	1,377	35.5	40.4
65 years and over	984	48	541	395	259	56	26.8	41.8
RACE								
White, 16 years and over	78,377	3,317	11,250	63,810	43,706	20,104	38.4	42.7
Males	45,275	1,573	3,397	40,305	24,818	15,487	41.4	44.1
Females	33,102	1,745	7,853	23,504	18,887	4,617	34.3	40.3
Black and other, 16 years and over	9,948	647	1,088	8,213	6,778	1,435	37.2	40.8
Males	5,120	281	368	4,471	3,486	985	39.0	41.7
Females	4,829	366	720	3,743	3,292	450	35.3	39.6
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,434	871	1,173	32,390	19,753	12,637	42.9	44.3
Widowed, divorced, or separated	4,121	186	196	3,739	2,356	1,383	41.7	43.9
Single (never married)	11,840	798	2,396	8,646	6,154	2,492	36.0	42.3
Females, 16 years and over:								
Married, spouse present	20,924	1,022	4,989	14,913	12,276	2,637	34.3	40.1
Widowed, divorced, or separated	7,282	407	1,024	5,851	4,567	1,284	36.9	40.8
Single (never married)	9,725	681	2,560	6,484	5,340	1,144	32.9	40.1

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

(Number in thousands)

Occupation and sex	1980								
	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	88,893	4,018	12,439	72,436	50,768	8,837	12,891	38.3	42.5
White-collar workers	47,804	1,258	6,642	39,904	27,260	4,594	8,050	39.0	42.6
Professional and technical	14,417	273	1,621	12,523	8,512	1,431	2,560	39.7	42.8
Managers and administrators, except farm	10,351	127	497	9,727	4,631	1,353	3,543	45.1	46.6
Sales workers	5,859	289	1,428	4,142	2,541	546	1,055	36.4	43.7
Clerical workers	17,179	569	3,096	13,514	11,378	1,264	872	35.6	35.8
Blue-collar workers	28,873	1,738	1,942	25,193	17,885	3,495	3,813	39.5	42.2
Craft and kindred workers	11,773	533	419	10,821	7,392	1,581	1,648	40.8	42.6
Operatives, except transport	9,682	621	522	8,539	6,520	1,153	866	39.1	41.3
Transport equipment operatives	3,230	187	269	2,774	1,610	404	760	41.6	45.1
Nonfarm laborers	4,188	396	731	3,061	2,365	357	339	35.0	41.0
Service workers	12,216	1,022	3,855	7,339	5,563	748	1,028	32.7	42.0
Private household workers	986	135	512	339	236	33	70	24.3	43.3
Other service workers	11,231	888	3,343	7,000	5,327	715	958	33.4	41.9
Males, 16 years and over	50,812	1,895	3,818	45,099	28,467	6,182	10,450	41.2	43.9
White-collar workers	22,551	344	1,422	20,785	11,777	2,753	6,255	43.1	45.1
Professional and technical	8,205	109	468	7,628	4,748	897	1,563	42.4	44.2
Managers and administrators, except farm	7,669	81	208	7,380	3,347	1,028	3,065	46.5	47.5
Sales workers	3,247	75	357	2,815	1,512	412	851	41.6	45.2
Clerical workers	3,430	79	388	2,963	2,171	416	376	38.6	41.7
Blue-collar workers	23,576	1,278	1,378	20,920	14,332	3,017	3,571	40.2	42.7
Craft and kindred workers	11,066	494	326	10,246	6,953	1,506	1,787	41.1	42.6
Operatives, except transport	5,823	267	264	5,292	3,769	798	725	40.6	42.4
Transport equipment operatives	2,985	166	170	2,649	1,521	387	741	42.5	45.3
Nonfarm laborers	3,702	351	619	2,732	2,088	326	318	35.3	41.1
Service workers	4,685	273	1,018	3,394	2,358	412	624	36.7	43.5
Private household workers	25	4	10	11	7	2	2	27.9	47.0
Other service workers	4,660	269	1,007	3,384	2,351	411	622	36.7	43.5
Females, 16 years and over	38,081	2,124	8,623	27,334	22,237	2,655	2,442	34.4	40.3
White-collar workers	25,253	914	5,221	19,118	15,482	1,841	1,795	35.3	40.3
Professional and technical	6,212	165	1,153	4,894	3,763	534	597	36.1	40.7
Managers and administrators, except farm	2,682	44	289	2,349	1,466	325	538	41.0	43.9
Sales workers	2,611	214	1,071	1,326	1,028	134	164	29.9	40.6
Clerical workers	13,748	490	2,709	10,549	9,205	848	456	34.8	35.2
Blue-collar workers	5,297	460	564	4,273	3,552	478	243	36.4	39.8
Craft and kindred workers	707	38	93	576	439	75	62	37.3	40.9
Operatives, except transport	3,859	354	258	3,247	2,751	355	141	37.0	39.6
Transport equipment operatives	245	22	99	124	87	17	20	30.7	41.7
Nonfarm laborers	486	45	113	328	276	31	21	33.2	40.0
Service workers	7,531	750	2,838	3,943	3,203	336	404	30.2	40.6
Private household workers	561	130	502	329	231	31	67	24.2	43.1
Other service workers	6,970	619	2,336	3,614	2,972	304	336	31.1	40.4

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

(Numbers in thousands)

Employment status	1980								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,582	3,856	3,726	6,297	3,210	3,086	1,285	646	640
Civilian labor force	1,400	792	608	1,276	718	558	123	74	49
Employed	1,178	659	519	1,108	617	491	70	42	29
Agriculture	145	117	29	140	112	28	5	5	1
Nonagricultural industries	1,033	542	491	968	505	463	65	37	28
Unemployed	222	133	89	169	101	68	53	32	21
Unemployment rate	15.9	16.8	14.6	13.2	14.1	12.2	43.1	43.2	42.9
Not in labor force	6,182	3,064	3,118	5,020	2,493	2,526	1,162	572	590
Keeping house	115	14	102	91	12	79	25	2	23
Going to school	4,890	2,464	2,425	3,550	1,994	1,956	939	471	469
Unable to work	7	4	3	6	4	2	--	--	--
All other reasons	1,170	582	589	973	483	490	197	99	98

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

Class of worker and occupation	1980					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,178	659	519	100.0	100.0	100.0
Nonagricultural industries	1,033	542	491	87.7	82.1	94.4
Wage and salary workers	941	475	466	79.9	72.0	89.6
Private household workers	338	86	252	28.7	13.0	48.5
Government workers	63	38	26	5.3	5.8	5.0
Other wage and salary workers	540	352	188	45.8	53.3	36.2
Self employed workers	81	60	21	6.9	9.1	4.0
Unpaid family workers	11	7	4	.9	1.1	.8
Agriculture	145	117	29	12.3	17.7	5.6
Wage and salary workers	86	66	20	7.3	10.0	3.8
Self employed workers	17	16	1	1.4	2.4	.2
Unpaid family workers	42	35	8	3.6	5.3	1.5
OCCUPATION						
Total	1,178	659	519	100.0	100.0	100.0
White collar workers	301	198	102	25.6	30.0	19.7
Professional and technical	14	7	7	1.2	1.1	1.4
Managers and administrators, except farm	3	2	1	.3	.3	.2
Sales workers	217	168	49	18.4	25.5	9.5
Clerical workers	67	22	45	5.7	3.3	8.7
Blue collar workers	230	205	25	19.5	31.1	4.8
Craft and kindred workers	16	15	1	1.4	2.3	.2
Operatives, except transport	33	25	8	2.8	3.8	1.5
Transport equipment operatives	3	3	1	.3	.5	.2
Nonfarm laborers	177	162	15	15.0	24.6	2.9
Service workers	527	162	365	44.7	24.6	70.5
Private household workers	278	24	253	23.6	3.6	48.8
Other service workers	250	138	112	21.2	20.9	21.6
Farm workers	120	93	27	10.2	14.1	5.2
Farmers and farm managers	4	2	1	.3	.3	.2
Farm laborers and supervisors	116	91	25	9.8	13.8	4.8

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

(In thousands)

Reason and sex	Total		Age in years								
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	
TOTAL											
Total not in labor force	58,623	59,425	6,867	7,000	4,419	4,534	22,043	21,808	25,294	26,082	
Do not want a job now	53,328	53,893	5,459	5,550	3,583	3,610	19,536	19,185	24,749	25,546	
Current activity:											
Going to school	5,965	6,156	4,043	4,105	1,342	1,458	556	576	22	15	
Ill, disabled	4,531	4,375	40	32	127	107	2,168	2,160	2,196	2,076	
Keeping house	28,994	28,643	480	527	1,655	1,581	14,671	14,181	12,188	12,352	
Retired	9,935	10,738	—	—	—	—	206	234	9,728	10,505	
Other	3,903	3,981	896	886	459	464	1,935	2,034	615	598	
Want a job now	5,293	5,531	1,410	1,450	836	922	2,505	2,621	544	537	
Reason not looking:											
School attendance	1,427	1,465	992	1,005	263	273	168	182	4	6	
Ill, health, disability	743	740	31	28	54	55	487	502	170	155	
Home responsibilities	1,240	1,237	76	84	250	266	881	849	33	38	
Think cannot get job	750	970	123	171	101	148	376	475	152	176	
Job-market factors	500	648	81	106	73	115	275	354	68	74	
Personal factors	250	322	41	67	27	33	100	121	83	103	
Other reasons ¹	1,133	1,119	188	162	168	180	593	613	185	162	
Males											
Total not in labor force	16,931	17,554	3,124	3,181	1,275	1,347	3,153	3,296	9,379	9,731	
Do not want a job now	15,248	15,781	2,449	2,495	1,029	1,060	2,665	2,761	9,104	9,465	
Current activity:											
Going to school	2,976	3,062	1,983	2,031	728	767	260	259	6	6	
Ill, disabled	2,453	2,354	21	17	62	51	1,214	1,193	1,156	1,093	
Keeping house	285	297	13	8	9	6	69	74	193	207	
Retired	7,479	7,919	—	—	—	—	175	195	7,301	7,725	
Other	2,055	2,149	432	439	230	236	947	1,040	448	434	
Want a job now	1,682	1,773	675	686	248	287	486	537	271	264	
Reason not looking:											
School attendance	717	729	518	517	141	139	55	73	2	—	
Ill, health, disability	332	325	15	13	21	28	205	205	90	80	
Think cannot get job	279	351	66	86	42	55	95	118	75	93	
Other reasons ¹	354	368	76	70	44	65	131	141	104	91	
Females											
Total not in labor force	41,692	41,871	3,743	3,819	3,144	3,187	18,890	18,512	15,915	16,353	
Do not want a job now	38,079	38,112	3,008	3,054	2,558	2,552	16,871	16,426	15,642	16,081	
Current activity:											
Going to school	2,988	3,094	2,060	2,074	615	692	297	318	14	11	
Ill, disabled	2,078	2,021	18	16	67	56	954	968	1,040	983	
Keeping house	28,709	28,346	467	518	1,647	1,576	14,602	14,106	11,994	12,144	
Retired	2,456	2,819	—	—	—	—	29	39	2,427	2,780	
Other	1,848	1,832	463	446	229	228	989	995	167	163	
Want a job now	3,613	3,759	735	765	586	635	2,018	2,087	274	272	
Reason not looking:											
School attendance	710	736	475	488	121	134	112	109	3	5	
Ill, health, disability	411	415	16	15	32	27	282	297	80	75	
Home responsibilities	1,240	1,237	76	84	250	266	881	849	33	38	
Think cannot get job	472	620	57	86	59	93	281	358	76	83	
Other reasons	780	751	111	92	124	115	462	474	82	71	

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

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

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

(In thousands)

Reason and race	Total		Age						Sex			
			16 to 19 years		25 to 59 years		60 years and over		Males		Females	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
WHITE												
Total not in labor force	51,011	51,486	8,931	9,079	19,197	18,873	22,883	23,535	14,419	14,868	36,592	36,618
Do not want a job now	46,981	47,337	7,334	7,368	17,228	16,883	22,418	23,087	13,136	13,544	33,845	33,793
Current activity:												
Going to school	4,791	4,906	4,331	4,428	442	465	19	14	2,393	2,468	2,398	2,438
Ill, disabled	3,647	3,504	125	109	1,699	1,697	1,822	1,697	2,023	1,915	1,624	1,589
Keeping house	26,334	25,975	1,819	1,788	13,288	12,838	11,227	11,349	233	242	26,101	25,733
Retired	8,983	9,709	—	—	195	211	8,786	9,496	6,808	7,184	2,175	2,525
Other	3,226	3,243	1,059	1,042	1,604	1,672	564	531	1,679	1,735	1,547	1,508
Want a job now	4,028	4,149	1,596	1,712	1,969	1,988	463	447	1,283	1,324	2,745	2,825
Reason not looking:												
School attendance	1,046	1,070	920	946	121	121	5	3	527	545	519	525
Ill health, disability	524	527	53	61	344	348	127	119	251	236	273	291
Home responsibilities	963	976	216	255	715	688	32	33	—	—	963	976
Think cannot get job	542	663	135	185	276	329	129	149	203	238	339	425
Other reasons ¹	953	913	272	265	513	502	170	143	302	305	651	608
BLACK AND OTHER												
Total not in labor force	7,612	7,939	2,355	2,455	2,845	2,936	2,411	2,548	2,512	2,686	5,100	5,253
Do not want a job now	6,344	6,555	1,709	1,794	2,312	2,297	2,327	2,458	2,112	2,237	4,232	4,318
Current activity:												
Going to school	1,174	1,249	1,057	1,135	115	110	1	3	584	594	590	655
Ill, disabled	884	871	42	29	471	460	373	379	431	439	453	432
Keeping house	2,658	2,668	316	321	1,384	1,344	959	1,003	51	55	2,607	2,613
Retired	951	1,029	—	—	10	22	943	1,007	670	735	281	294
Other	677	738	294	309	332	361	51	66	376	414	301	324
Want a job now	1,267	1,384	647	660	537	639	84	90	398	449	869	935
Reason not looking:												
School attendance	380	396	334	333	46	62	—	2	189	184	191	212
Ill health, disability	218	213	33	22	142	157	44	36	80	89	138	124
Home responsibilities	278	261	109	95	167	159	2	6	—	—	278	261
Think cannot get job	209	307	87	133	100	147	22	28	76	112	133	195
Other reasons ¹	182	207	84	77	82	114	16	18	53	64	129	143

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

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

(In thousands)

Reason and sex	1980						
	Total	Age				Race	
		16 to 19 years	20 to 24 years	25 to 59 years	60 years and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	133	23	1	20	90	114	
Lacks education or training	111	29	18	63	3	74	
Other personal handicap	78	15	14	38	10	63	
Job-market factors:							
Could not find job	367	74	75	189	30	200	
Thinks no job available	281	32	40	165	44	213	
Males							
Personal factors:							
Employers think too young or old	63	16	—	3	45	53	
Lacks education or training	24	11	6	7	1	17	
Other personal handicap	28	6	3	16	4	24	
Job-market factors:							
Could not find job	147	41	26	60	21	78	
Thinks no job available	88	14	19	33	23	66	
Females							
Personal factors:							
Employers think too young or old	70	7	1	18	45	61	
Lacks education or training	86	18	12	54	2	57	
Other personal handicap	50	10	11	22	6	39	
Job-market factors:							
Could not find job	220	33	49	130	9	122	
Thinks no job available	193	18	21	133	22	147	

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

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
Total, not in labor force	58,623	59,425	11,286	11,534	22,043	21,808	25,294	26,082	51,011	51,486	7,612	7,939
Never worked	9,057	9,255	4,482	4,651	2,127	2,161	2,448	2,443	7,170	7,322	1,887	1,932
Last worked over 5 years ago	29,166	29,761	272	315	11,168	10,875	17,728	18,572	26,023	26,433	3,144	3,328
Last worked 1 to 5 years ago	10,349	10,288	1,595	1,650	4,992	4,954	3,763	3,683	9,062	8,985	1,288	1,303
Left job during previous 12 months	10,046	10,118	4,937	4,918	3,756	3,816	1,354	1,383	8,756	8,743	1,290	1,375
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	46.0	44.5	62.0	61.4	39.4	36.8	5.9	5.8	46.8	46.0	40.7	35.1
Ill health, disability	8.2	8.2	2.2	1.8	13.6	14.1	15.1	14.4	7.6	7.5	12.1	12.6
Retirement, old age	7.7	8.4	--	--	2.9	3.7	49.1	50.8	8.2	8.9	4.0	4.7
Economic reasons	18.9	21.0	16.0	18.2	22.2	24.8	20.4	20.5	18.5	20.3	22.0	25.5
End of seasonal job	8.3	8.3	8.2	8.9	8.4	7.8	8.8	7.7	8.2	8.0	9.5	10.5
Slack work	5.0	6.7	3.6	4.6	6.9	9.6	4.6	5.8	4.9	7.9	5.9	8.5
End of temporary job	5.6	6.0	4.3	4.7	6.8	7.4	7.0	7.0	5.4	6.1	6.5	6.5
All other reasons	19.2	17.9	19.7	18.5	22.0	20.6	9.5	8.5	18.9	17.3	21.3	22.1
Males, not in labor force	16,931	17,554	4,399	4,528	3,153	3,296	9,379	9,731	14,419	14,868	2,512	2,686
Never worked	2,071	2,164	1,788	1,895	237	225	48	45	1,459	1,513	614	651
Last worked over 5 years ago	7,623	8,132	36	42	1,209	1,326	6,379	6,763	6,661	7,068	963	1,063
Last worked 1 to 5 years ago	3,474	3,493	346	396	979	989	2,148	2,108	3,054	3,022	420	471
Left job during previous 12 months	3,758	3,763	2,231	2,192	726	757	800	815	3,246	3,263	512	500
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	40.3	38.3	60.4	59.5	19.3	15.7	3.2	2.5	+1.3	39.1	33.6	33.2
Ill health, disability	10.3	9.7	2.2	1.7	28.6	27.7	16.2	14.2	9.9	9.4	13.1	11.6
Retirement, old age	13.5	14.8	--	--	8.8	11.5	55.2	57.5	14.2	15.7	8.6	8.8
Economic reasons	17.7	19.9	17.6	19.3	17.0	21.9	18.1	19.5	16.7	19.0	24.0	25.8
End of seasonal job	8.8	8.8	9.7	9.8	6.6	6.6	8.4	8.3	8.3	8.6	12.5	10.8
Slack work	4.4	6.1	3.8	4.4	6.9	11.6	3.9	5.4	4.3	5.6	4.9	8.8
End of temporary job	4.4	5.0	4.2	5.2	3.5	3.8	5.9	5.8	4.1	4.8	6.6	6.4
All other reasons	18.3	17.3	19.7	19.4	26.2	23.2	7.2	6.3	17.9	16.8	20.7	20.6
Females, not in labor force	41,692	41,871	6,887	7,006	18,890	18,512	15,915	16,353	36,592	36,618	5,100	5,253
Never worked	6,984	7,090	2,694	2,756	1,889	1,938	2,399	2,398	5,711	5,809	1,273	1,281
Last worked over 5 years ago	21,543	21,629	237	273	9,958	9,547	11,348	11,809	19,362	19,365	2,181	2,265
Last worked 1 to 5 years ago	6,876	6,795	1,250	1,253	4,012	3,967	1,614	1,575	6,008	5,963	868	832
Left job during previous 12 months	6,288	6,354	2,707	2,725	3,030	3,061	554	569	5,510	5,480	778	875
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	49.5	48.2	63.5	62.9	44.2	42.0	9.9	10.5	50.0	50.1	45.3	36.2
Ill health, disability	6.9	7.3	2.1	1.8	10.0	10.6	13.3	14.6	6.3	6.3	11.5	13.1
Retirement, old age	4.2	4.5	--	--	1.4	1.8	40.4	41.1	4.7	4.9	1.0	2.4
Economic reasons	19.7	21.7	14.7	17.4	23.4	25.5	23.8	21.8	19.5	21.1	20.6	25.3
End of seasonal job	8.0	8.0	6.9	8.1	8.8	8.2	9.4	6.7	8.1	7.6	7.6	10.4
Slack work	5.3	7.0	3.4	4.7	6.9	9.1	5.9	6.3	5.2	6.8	6.6	8.3
End of temporary job	6.3	6.7	4.3	4.4	7.6	8.3	8.5	8.8	6.2	6.7	6.4	5.8
All other reasons	19.7	18.3	19.7	17.8	21.0	20.0	12.6	11.6	19.5	17.6	21.6	23.0

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

[In thousands]

Work-seeking intentions, work history and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL												
Do not intend to seek work	49,250	49,944	6,064	6,210	18,484	18,214	24,703	25,519	43,472	43,894	5,778	6,050
Intend to seek work in the next 12 months	9,369	9,478	5,222	5,322	3,559	3,593	589	563	7,538	7,590	1,831	1,888
Never worked	1,569	1,601	1,432	1,442	127	151	10	7	1,117	1,128	452	473
Last worked over 5 years ago	1,151	1,143	54	55	934	914	163	173	903	887	248	255
Last worked 1 to 5 years ago	1,844	1,869	614	670	1,031	1,021	198	178	1,437	1,451	407	418
Worked during previous 12 months	4,805	4,865	3,121	3,255	1,465	1,504	219	206	4,081	4,125	723	741
Males												
Do not intend to seek work	13,604	14,208	2,054	2,149	2,483	2,611	9,066	9,447	11,719	12,154	1,884	2,054
Intend to seek work in the next 12 months	3,324	3,344	2,345	2,377	670	686	309	282	2,699	2,713	625	631
Never worked	644	657	621	630	24	25	--	--	448	463	196	193
Last worked over 5 years ago	180	177	10	10	96	97	75	70	133	125	47	52
Last worked 1 to 5 years ago	476	514	173	207	201	211	103	95	380	396	97	118
Worked during previous 12 months	2,023	1,997	1,543	1,530	349	350	131	116	1,739	1,729	284	268
Females												
Do not intend to seek work	35,646	35,736	4,010	4,061	16,000	15,604	15,635	16,071	31,753	31,740	3,894	3,996
Intend to seek work in the next 12 months	6,045	6,134	2,877	2,946	2,889	2,908	280	280	4,839	4,877	1,206	1,257
Never worked	925	945	812	812	103	127	10	7	669	665	256	280
Last worked over 5 years ago	971	965	45	46	839	816	87	103	770	762	201	203
Last worked 1 to 5 years ago	1,367	1,355	444	462	830	811	95	81	1,057	1,055	310	300
Worked during previous 12 months	2,782	2,869	1,577	1,625	1,117	1,154	88	90	2,342	2,396	439	473

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

[Numbers in thousands]

Employment status, sex, and age	Total		White		Black ¹		Hispanic origin ²	
	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL								
Civilian noninstitutional population	161,532	164,143	141,614	143,657	17,026	17,423	7,901	8,570
Civilian labor force	102,908	104,719	90,602	92,171	10,430	10,597	5,019	5,484
Percent of population	63.7	63.8	64.0	64.2	61.3	60.8	63.5	64.0
Employed	96,945	97,270	86,025	86,380	5,160	5,058	4,604	4,931
Agriculture	3,297	3,310	2,999	3,052	241	201	221	236
Nonagricultural industries	93,648	93,960	83,026	83,328	4,919	4,857	4,384	4,695
Unemployed	5,963	7,448	4,577	5,790	1,269	1,455	415	554
Unemployment rate	5.8	7.1	5.1	6.3	12.2	14.1	8.3	10.1
Not in labor force	58,623	59,425	51,011	51,486	6,596	6,827	2,883	3,085
Males, 20 years and over								
Civilian noninstitutional population	68,293	69,607	60,567	61,641	6,563	6,729	3,226	3,524
Civilian labor force	54,486	55,234	48,583	49,252	4,981	5,028	2,753	3,002
Percent of population	79.8	79.4	80.2	79.9	75.9	74.7	85.3	85.2
Employed	52,264	51,972	46,854	46,671	4,529	4,415	2,595	2,753
Agriculture	2,350	2,355	2,122	2,154	187	158	170	176
Nonagricultural industries	49,913	49,617	44,733	44,517	4,343	4,257	2,425	2,577
Unemployed	2,223	3,261	1,728	2,581	452	613	158	248
Unemployment rate	4.1	5.9	3.6	5.2	9.1	12.2	5.7	8.3
Not in labor force	13,807	14,373	11,984	12,389	1,580	1,701	473	522
Females, 20 years and over								
Civilian noninstitutional population	76,860	78,295	67,206	68,327	8,242	8,464	3,614	3,890
Civilian labor force	38,910	40,243	33,545	34,686	4,562	4,706	1,731	1,899
Percent of population	50.6	51.4	49.9	50.8	55.4	55.6	47.9	48.8
Employed	36,698	37,696	31,876	32,755	4,068	4,153	1,576	1,725
Agriculture	591	575	546	540	34	25	28	31
Nonagricultural industries	36,107	37,120	31,330	32,215	4,033	4,128	1,548	1,694
Unemployed	2,213	2,547	1,669	1,931	494	553	154	174
Unemployment rate	5.7	6.3	5.0	5.6	10.8	11.7	8.9	9.2
Not in labor force	37,949	38,052	33,662	33,641	3,681	3,758	1,883	1,991
Both sexes, 16-19 years								
Civilian noninstitutional population	16,379	16,242	13,841	13,685	2,221	2,230	1,061	1,156
Civilian labor force	9,512	9,242	8,475	8,233	886	863	535	584
Percent of population	58.1	56.9	61.2	60.1	39.9	38.7	50.4	50.5
Employed	7,984	7,603	7,295	6,955	563	530	433	452
Agriculture	356	380	332	358	19	18	23	29
Nonagricultural industries	7,628	7,223	6,963	6,597	543	512	410	424
Unemployed	1,528	1,640	1,181	1,278	323	333	102	131
Unemployment rate	16.1	17.7	14.4	15.6	36.4	38.0	19.1	22.5
Not in labor force	6,867	7,000	5,366	5,452	1,335	1,367	527	572

NOTE: The term "black" refers to black workers only. In the 1970 census, they constituted about 89 percent of the "black and other" population group. Data on persons of Hispanic ethnicity are collected independently of racial data. In the 1970 census, approximately 96 percent of their population was white.

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

[Numbers in thousands]

Employment status, sex, and age	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL								
Civilian noninstitutional population	7,901	8,570	4,721	5,097	1,065	1,137	592	617
Civilian labor force	5,019	5,484	3,119	3,386	543	585	391	409
Percent of population	63.5	64.0	66.1	66.4	51.0	51.5	66.0	66.3
Employed	4,604	4,931	2,864	3,037	481	505	361	377
Agriculture	221	236	197	214	4	5	4	2
Nonagricultural industries	4,384	4,695	2,666	2,823	477	500	356	375
Unemployed	415	554	255	349	62	80	31	33
Unemployment rate	8.3	10.1	8.2	10.3	11.5	13.7	7.8	7.9
Not in labor force	2,883	3,085	1,602	1,712	522	551	200	208
Males, 20 years and over								
Civilian noninstitutional population	3,226	3,524	2,000	2,188	381	407	244	258
Civilian labor force	2,753	3,002	1,762	1,906	304	327	203	217
Percent of population	85.3	85.2	88.1	87.1	79.8	80.3	83.2	84.1
Employed	2,595	2,753	1,667	1,750	274	293	193	200
Agriculture	170	176	152	160	2	4	4	2
Nonagricultural industries	2,425	2,577	1,515	1,590	272	289	189	198
Unemployed	158	248	95	157	30	35	10	17
Unemployment rate	5.7	8.3	5.4	8.2	9.9	10.6	4.9	8.0
Not in labor force	473	522	237	282	77	79	41	42
Females, 20 years and over								
Civilian noninstitutional population	3,614	3,890	2,050	2,191	524	556	285	292
Civilian labor force	1,731	1,899	989	1,076	185	206	157	159
Percent of population	47.9	48.8	48.2	49.1	35.3	37.1	55.1	54.5
Employed	1,576	1,725	892	973	167	180	145	149
Agriculture	28	31	25	26	1	1	--	--
Nonagricultural industries	1,549	1,694	867	947	166	178	145	149
Unemployed	154	174	98	103	17	26	12	10
Unemployment rate	8.9	9.2	9.9	9.6	9.3	12.6	7.9	6.3
Not in labor force	1,883	1,991	1,061	1,115	339	350	128	133
Both sexes, 16-19 years								
Civilian noninstitutional population	1,061	1,156	672	718	160	175	63	67
Civilian labor force	535	584	367	404	55	53	31	34
Percent of population	50.4	50.5	54.6	56.3	34.4	30.3	49.2	50.7
Employed	433	452	305	315	40	33	23	28
Agriculture	23	29	20	28	1	--	--	--
Nonagricultural industries	410	424	285	287	39	33	23	28
Unemployment	102	131	62	89	15	20	8	5
Unemployed	19.1	22.5	16.9	22.1	27.8	37.1	(2)	(2)
Not in labor force	527	572	304	315	106	122	32	33

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

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

HOUSEHOLD DATA ANNUAL AVERAGES

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

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980
CHARACTERISTIC								
Total, 16 years and over	96,945	97,270	86,025	86,380	10,920	10,890	4,604	4,931
Males	56,499	55,988	50,721	50,337	5,779	5,651	2,848	3,032
Females	40,446	41,283	35,304	36,043	5,141	5,239	1,757	1,899
OCCUPATION								
White-collar workers	49,342	50,809	45,203	46,539	4,140	4,270	1,502	1,687
Professional and technical	15,050	15,613	13,714	14,230	1,336	1,383	349	390
Managers and administrators, except farm	10,516	10,919	9,945	10,350	572	569	278	315
Sales workers	6,163	6,172	5,861	5,859	302	313	181	194
Clerical workers	17,613	18,105	15,683	16,101	1,931	2,005	694	788
Blue-collar workers	32,066	30,800	28,063	26,896	4,003	3,904	2,177	2,245
Craft and kindred workers	12,880	12,529	11,858	11,488	1,022	1,041	640	675
Operatives, except transport	10,909	10,346	9,264	8,765	1,645	1,580	991	1,030
Transport equipment operatives	3,612	3,468	3,089	2,938	523	530	185	193
Nonfarm laborers	4,665	4,456	3,851	3,704	813	752	361	347
Service workers	12,834	12,958	10,299	10,442	2,535	2,516	751	810
Farm workers	2,703	2,704	2,460	2,504	243	200	173	188
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,413	1,384	1,176	1,194	237	190	200	213
Self-employed workers	1,580	1,628	1,526	1,569	54	59	18	21
Unpaid family workers	304	297	297	288	7	9	3	2
Nonagricultural industries:								
Wage and salary workers	86,540	86,706	76,338	76,515	10,203	10,191	4,151	4,443
Government	15,369	15,624	12,932	13,172	2,437	2,452	610	646
Private industries	71,171	71,081	63,406	63,342	7,766	7,739	3,540	3,797
Private households	1,240	1,166	842	789	398	377	84	89
Other industries	69,931	69,915	62,564	62,553	7,368	7,362	3,456	3,708
Self-employed workers	6,652	6,851	6,255	6,432	398	419	216	235
Unpaid family workers	455	405	434	383	21	22	17	17
FULL- AND PART-TIME STATUS¹								
Full-time schedules	79,624	79,024	70,553	70,057	9,071	8,967	3,928	4,138
Part time for economic reasons	3,478	4,214	2,865	3,523	612	691	231	298
Part time for noneconomic reasons	13,843	14,032	12,606	12,801	1,237	1,231	446	495

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

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

[In thousands]

Category	Total Hispanic origin ¹		Mexican origin		Puerto Rican origin		Cuban origin	
	1979	1980	1979	1980	1979	1980	1979	1980
CHARACTERISTIC								
Total, 16 years and over	4,604	4,931	2,864	3,037	481	505	361	377
Males	2,848	3,032	1,842	1,949	298	315	208	215
Females	1,757	1,899	1,022	1,088	183	191	152	162
OCCUPATION								
White-collar workers	1,502	1,687	796	888	178	196	158	168
Professional and technical	349	390	159	183	47	45	44	41
Managers and administrators, except farm ..	278	315	150	162	23	32	31	38
Sales workers	181	194	88	99	17	17	23	23
Clerical workers	694	788	399	444	91	102	60	66
Blue-collar workers	2,177	2,245	1,446	1,484	207	220	160	164
Craft and kindred workers	640	675	426	450	46	49	47	49
Operatives, except transport	991	1,030	626	652	115	123	81	81
Transport equipment operatives	185	193	126	127	20	23	14	15
Nonfarm laborers	361	347	268	255	26	25	18	19
Service workers	751	810	462	490	92	86	41	45
Farm workers	173	188	158	173	3	3	2	--
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	200	213	183	199	4	4	3	1
Self-employed workers	18	21	12	13	--	1	1	1
Unpaid family workers	3	2	2	1	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,151	4,443	2,543	2,693	461	486	327	336
Government	610	646	379	409	86	79	34	27
Private industries	3,540	3,797	2,164	2,284	376	407	293	309
Private households	84	89	52	52	3	3	2	1
Other industries	3,456	3,708	2,112	2,232	373	404	291	308
Self-employed workers	216	235	111	121	16	14	29	37
Unpaid family workers	17	17	12	10	--	--	1	2
FULL- AND PART-TIME STATUS²								
Full-time schedules	3,928	4,138	2,422	2,520	425	447	309	333
Part time for economic reasons	231	298	170	218	14	20	11	11
Part time for noneconomic reasons	446	495	272	299	42	38	41	33

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

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

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48. Employed black and Hispanic-origin workers by occupation

(Numbers in thousands)

Occupation	1980			Occupation	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	97,270	9.4	5.1	Craft and kindred workers—Continued			
White-collar workers	50,809	6.5	3.3	All other craft workers	2,484	7.2	5.8
Professional and technical	15,613	6.4	2.5	Operatives, except transport	10,346	12.9	10.0
Health workers	2,922	7.0	2.0	Durable goods manufacturing	4,597	12.3	9.5
Teachers, except college	3,157	8.9	2.6	Nondurable goods manufacturing	3,290	14.9	11.5
Other professional and technical	9,534	5.3	2.6	Other industries	2,460	11.2	8.8
Managers and administrators, except farm	10,919	3.8	2.9	Transport equipment operatives	3,468	14.4	5.6
Salaried workers	9,012	3.9	2.7	Drivers, motor vehicles	2,946	13.8	5.2
Self-employed workers in retail trade	870	3.6	4.5	All other	523	17.8	7.3
Self-employed workers, except retail trade	1,037	2.9	3.4	Nonfarm laborers	4,456	15.1	7.8
Sales workers	6,172	3.9	3.1	Construction	797	15.1	9.9
Retail trade	3,159	5.0	3.9	Manufacturing	961	17.7	7.2
Other industries	3,013	2.8	2.4	Other industries	2,699	14.2	7.4
Clerical workers	18,105	9.3	4.4	Service workers	12,958	17.1	6.3
Stenographers, typists, and secretaries	4,963	7.3	3.7	Private household workers	1,041	31.8	8.1
Other clerical workers	13,142	10.1	4.6	Service workers, except private household	11,917	15.8	6.1
Blue-collar workers	30,800	11.0	7.3	Food service workers	4,436	10.5	6.4
Craft and kindred workers	12,529	7.1	5.4	Protective service workers	1,396	10.5	3.7
Carpenters	1,185	4.5	5.1	All other	6,085	20.9	6.4
Construction craft workers, except carpenters	2,615	8.8	5.4	Farm workers	2,704	5.8	7.0
Mechanics and repairers	3,320	6.8	5.6	Farmers and farm managers	1,485	1.5	.8
Metal craft workers	1,290	6.6	4.5	Farm laborers and supervisors	1,218	11.2	14.4
Blue-collar worker supervisors, not elsewhere classified	1,729	6.8	4.9	Paid workers	934	14.0	18.6
				Unpaid family workers	284	1.8	.7

49. Employed black and Hispanic-origin workers by industry

(Numbers in thousands)

Industry	1980			Industry	1980		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	97,270	9.4	5.1	Nondurable goods—Continued			
Agriculture	3,310	6.1	7.2	Other nondurable goods industries	572	11.2	7.2
Mining	940	3.4	5.6	Transportation and public utilities	6,393	11.2	4.3
Construction	6,065	6.9	5.6	Railroads and railway express	575	9.6	4.3
Manufacturing	21,593	9.6	6.4	Other transportation	3,021	11.4	4.4
Durable goods	12,993	8.8	5.9	Communications and other public utilities	2,797	11.3	4.1
Lumber and wood products	669	16.6	3.7	Wholesale and retail trade	19,727	6.4	5.0
Furniture and fixtures	510	8.8	11.4	Wholesale trade	3,827	6.0	4.6
Stone, clay, and glass products	637	9.9	6.4	Retail trade	15,900	6.5	5.0
Primary metal industries	1,169	14.5	6.3	Finance, insurance, and real estate	5,860	7.5	3.9
Fabricated metal products	1,477	6.8	7.3	Service industries	28,143	11.7	4.4
Machinery, except electrical equipment	2,790	5.4	4.2	Private household	1,229	30.1	7.5
Electrical equipment	2,294	8.1	6.7	Other service industries	26,914	10.8	4.2
Transportation equipment	2,100	11.0	4.5	Business repair services	3,756	8.7	5.7
Automobiles	1,010	12.3	2.9	Personal services	2,509	11.8	6.9
Other transportation equipment	432	12.7	15.0	Entertainment and recreation services	1,017	7.0	5.2
Instruments and related products	604	6.1	6.5	Professional services	19,472	11.4	3.6
Other durable goods industries	743	7.3	8.5	Medical, except hospital	3,280	10.7	3.3
Nondurable goods	8,600	10.7	7.0	Hospitals	3,947	16.6	3.6
Food and kindred products	1,763	10.9	8.8	Welfare and religion	1,559	15.2	4.5
Textile mill products	782	16.4	5.2	Education	7,974	10.9	3.7
Apparel and other textile products	1,250	13.8	15.0	Other	2,712	3.9	2.8
Paper and allied products	706	9.3	3.5	Forestry and fisheries	160	3.8	3.8
Printing and publishing	1,554	6.4	3.5	Public administration	5,240	13.0	4.2
Chemicals and allied products	1,286	10.3	3.7				
Rubber and plastics products	687	8.7	7.4				

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

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	96,945	97,270	86,025	86,380	9,160	9,098	4,604	4,931
16 to 19 years	7,984	7,603	7,295	6,955	563	530	433	452
16 to 17 years	3,271	3,031	3,021	2,798	201	189	146	157
18 to 19 years	4,713	4,572	4,274	4,157	362	341	286	295
20 to 24 years	13,891	13,615	12,287	12,073	1,353	1,299	819	857
25 years and over	75,070	76,053	66,444	67,353	7,244	7,269	3,353	3,621
25 to 54 years	60,721	61,761	53,468	54,409	6,054	6,107	2,981	3,237
55 years and over	14,349	14,291	12,976	12,943	1,190	1,161	372	385
Males, 16 years and over	56,499	55,988	50,721	50,337	4,836	4,704	2,848	3,032
16 to 19 years	4,236	4,016	3,866	3,666	306	289	252	279
16 to 17 years	1,761	1,631	1,624	1,501	110	107	89	97
18 to 19 years	2,475	2,384	2,242	2,165	196	182	164	182
20 to 24 years	7,534	7,254	6,692	6,462	710	665	486	508
25 years and over	44,730	44,718	40,163	40,209	3,820	3,750	2,110	2,245
25 to 54 years	35,923	35,975	32,129	32,198	3,163	3,133	1,861	1,986
55 years and over	8,807	8,743	8,034	8,010	657	616	249	260
Females, 16 years and over	40,446	41,283	35,304	36,043	4,324	4,394	1,757	1,899
16 to 19 years	3,748	3,587	3,428	3,289	257	241	180	174
16 to 17 years	1,510	1,399	1,396	1,297	91	81	58	60
18 to 19 years	2,238	2,188	2,032	1,991	166	159	123	114
20 to 24 years	6,358	6,360	5,595	5,611	643	634	333	349
25 years and over	30,340	31,335	26,281	27,144	3,425	3,519	1,244	1,376
25 to 54 years	24,798	25,787	21,339	22,210	2,891	2,974	1,120	1,250
55 years and over	5,542	5,549	4,942	4,933	533	545	124	125

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

Sex and age	Total		White		Black		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980
Total, 16 years and over	5.8	7.1	5.1	6.3	12.2	14.1	8.3	10.1
16 to 19 years	16.1	17.7	13.9	15.5	36.5	38.6	19.1	22.5
16 to 17 years	18.1	20.0	16.0	17.9	40.2	41.2	26.3	27.6
18 to 19 years	14.6	16.1	12.4	13.8	34.3	37.0	14.8	19.5
20 to 24 years	9.0	11.5	7.6	9.9	20.4	23.6	10.3	12.1
25 years and over	3.9	5.0	3.5	4.5	7.6	9.5	6.1	7.7
25 to 54 years	4.1	5.4	3.6	4.9	8.2	10.2	6.2	8.0
55 years and over	3.0	3.3	2.8	3.0	5.0	5.7	5.8	5.9
Males, 16 years and over	5.1	6.9	4.4	6.1	11.2	14.3	6.9	9.7
16 to 19 years	15.8	18.2	13.9	16.2	34.0	37.4	17.4	21.7
16 to 17 years	17.9	20.4	16.1	18.5	37.6	39.9	23.4	26.1
18 to 19 years	14.2	16.7	12.3	14.6	31.8	35.7	13.8	19.2
20 to 24 years	8.6	12.5	7.4	11.1	18.4	23.8	9.0	12.2
25 years and over	3.3	4.7	2.9	4.2	7.1	9.8	5.0	7.3
25 to 54 years	3.4	5.1	3.0	4.5	7.4	10.3	5.0	7.5
55 years and over	2.9	3.3	2.6	3.0	5.3	6.8	5.0	6.5
Females, 16 years and over	6.8	7.4	5.9	6.5	13.2	14.0	10.4	10.7
16 to 19 years	16.4	17.2	13.9	14.8	39.2	39.9	21.3	23.7
16 to 17 years	18.3	19.5	15.9	17.3	42.9	42.7	30.5	30.0
18 to 19 years	15.0	15.6	12.5	13.0	36.9	38.4	16.1	20.0
20 to 24 years	9.6	10.3	7.8	8.5	22.4	23.4	12.2	11.9
25 years and over	4.8	5.5	4.4	4.9	8.3	9.3	8.0	8.4
25 to 54 years	5.2	5.9	4.7	5.3	8.9	10.1	8.0	8.8
55 years and over	3.2	3.2	3.0	3.1	4.5	4.6	7.6	5.3

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

[In thousands]

Weeks of unemployment	Total		White		Black and other		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980
DURATION								
Total, 16 years and over	5,963	7,448	4,577	5,796	1,386	1,658	415	554
Less than 5 weeks	2,869	3,208	2,263	2,532	606	676	210	255
5 to 14 weeks	1,892	2,411	1,438	1,879	454	532	133	179
15 weeks and over	1,202	1,829	876	1,380	326	450	71	120
15 to 26 weeks	684	1,028	518	794	166	234	48	73
27 weeks and over	518	802	359	586	159	216	23	47
Average (mean) duration, in weeks	10.8	11.9	10.3	11.5	12.7	13.4	9.3	11.1
Median duration, in weeks	5.4	6.5	5.1	6.3	6.4	7.3	4.9	6.0
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	48.1	43.1	49.4	43.7	43.8	40.8	50.7	46.0
5 to 14 weeks	31.7	32.4	31.4	32.5	32.8	32.1	32.1	32.3
15 weeks and over	20.2	24.6	19.1	23.8	23.5	27.1	17.1	21.7
15 to 26 weeks	11.5	13.8	11.3	13.7	12.0	14.1	11.6	13.2
27 weeks and over	8.7	10.8	7.8	10.1	11.5	13.0	5.6	8.5

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

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980
NUMBER OF UNEMPLOYED								
Total, 16 years and over	5,963	7,448	4,577	5,790	1,386	1,658	415	554
Job losers	2,555	3,860	1,993	3,056	562	804	204	294
On layoff	835	1,471	694	1,235	142	237	49	74
Other job losers	1,719	2,389	1,299	1,821	420	567	155	220
Job leavers	854	863	715	717	139	146	59	69
Reentrants	1,758	1,875	1,314	1,421	444	453	94	115
New entrants	797	851	555	595	242	256	58	76
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	42.8	51.9	43.6	52.8	40.5	48.5	49.1	53.1
On layoff	14.0	19.8	15.2	21.3	10.2	14.3	11.8	13.4
Other job losers	28.8	32.1	28.4	31.5	30.3	34.2	37.3	39.7
Job leavers	14.3	11.6	15.6	12.4	10.0	8.8	14.2	12.5
Reentrants	29.5	25.2	28.7	24.5	32.0	27.3	22.7	20.8
New entrants	13.4	11.4	12.1	10.3	17.4	15.4	14.0	13.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.5	3.7	2.2	3.3	4.6	6.4	4.1	5.4
Job leavers8	.8	.8	.8	1.1	1.2	1.2	1.3
Reentrants	1.7	1.8	1.5	1.5	3.6	3.6	1.9	2.1
New entrants8	.8	.6	.6	2.0	2.0	1.2	1.4

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

[In thousands]

Reason, black, and Hispanic origin	Total	Age			Sex	
		16 to 24 years	25 to 59 years	60 years and over	Males	Females
		1980				
BLACK						
Total not in labor force	6,827	2,134	2,453	2,240	2,317	4,509
Do not want a job now	5,581	1,527	1,896	2,159	1,917	3,663
Current activity:						
Going to school	1,017	940	75	1	467	550
Ill, disabled	799	25	415	360	409	390
Keeping house	2,243	285	1,074	885	49	2,193
Retired	905	-	22	884	637	268
Other	617	277	310	29	355	262
Want a job now	1,247	608	557	80	400	847
Reason not looking:						
School attendance	339	297	40	2	158	181
Ill health, disability	202	18	149	33	83	119
Home responsibilities	266	97	161	7	-	266
Think cannot get job	268	118	125	24	104	164
Other reasons ¹	172	78	82	14	55	117
HISPANIC ORIGIN						
Total not in labor force	3,085	947	1,489	650	756	2,329
Do not want a job now	2,672	737	1,311	623	625	2,048
Current activity:						
Going to school	414	375	40	-	185	231
Ill, disabled	213	8	140	64	112	101
Keeping house	1,552	240	1,020	291	8	1,544
Retired	258	-	4	254	191	66
Other	235	114	107	14	129	106
Want a job now	413	210	179	27	131	281
Reason not looking:						
School attendance	106	93	13	-	53	52
Ill health, disability	50	8	33	10	22	28
Home responsibilities	119	51	65	2	-	119
Think cannot get job	67	27	34	6	23	44
Other reasons ¹	71	31	34	9	33	38

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

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

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	
VETERANS¹										
Total, 20 years and over	8,524	8,611	8,111	8,174	7,763	7,674	348	500	4.3	6.1
20 to 24 years	552	337	508	311	450	259	58	52	11.4	16.7
25 to 29 years	7,127	7,272	6,877	6,997	6,611	6,577	266	420	3.9	6.0
25 to 29 years	1,966	1,713	1,868	1,612	1,760	1,451	108	161	5.8	10.0
30 to 34 years	3,602	3,574	3,494	3,461	3,379	3,285	115	176	3.3	5.1
35 to 39 years	1,559	1,985	1,515	1,924	1,472	1,841	43	83	2.8	4.3
40 years and over	845	1,002	726	866	702	838	24	28	3.3	3.2
NONVETERANS²										
Total, 25 to 39 years	14,578	15,475	13,863	14,701	13,325	13,817	538	884	3.9	6.0
25 to 29 years	6,657	7,082	6,305	6,696	6,017	6,197	288	495	4.6	7.5
30 to 34 years	4,186	4,596	3,992	4,392	3,851	4,154	141	238	3.5	5.4
35 to 39 years	3,735	3,797	3,566	3,613	3,457	3,466	109	147	3.1	4.1

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Although Public Law 96-486 (the Veterans Rehabilitation and

Education Amendments of 1980), which became effective October 17, 1980, requires publication of labor market data for veterans who actually served in the Vietnam theater of operations, these data are not presently collected. Because of the widespread interest in statistics for all Vietnam-era veterans, the BLS is continuing publication of annual data for this group since these data are currently available.

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

(Numbers in thousands)

Employment status and age	Veterans ¹						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
Total, 25 to 39 years:												
Civilian noninstitutional population	6,416	6,549	711	723	243	264	12,672	13,450	1,906	2,025	1,029	1,165
Civilian labor force	6,209	6,326	668	671	230	247	12,157	12,893	1,706	1,808	969	1,091
Employed	5,995	5,986	616	591	218	231	11,753	12,211	1,572	1,606	917	1,001
Unemployed	214	340	52	80	12	16	404	682	134	202	52	90
Unemployment rate	3.4	5.4	7.8	11.9	5.2	6.5	3.3	5.3	7.9	11.2	5.4	8.2
25 to 29 years												
Civilian noninstitutional population	1,732	1,489	234	224	85	86	5,839	6,225	818	857	430	502
Civilian labor force	1,647	1,406	221	206	80	78	5,582	5,936	723	760	403	467
Employed	1,563	1,283	197	168	75	72	5,361	5,539	656	658	381	425
Unemployed	84	123	24	38	5	6	221	397	67	102	22	42
Unemployment rate	5.1	8.7	10.9	18.4	6.3	7.7	4.0	6.7	9.3	13.4	5.5	9.0
30 to 34 years												
Civilian noninstitutional population	3,278	3,256	324	318	114	118	3,602	3,946	584	650	313	376
Civilian labor force	3,191	3,164	303	297	108	113	3,465	3,803	527	589	296	353
Employed	3,097	3,016	282	269	103	107	3,365	3,627	486	527	282	324
Unemployed	94	148	21	28	5	6	100	176	41	62	14	29
Unemployment rate	2.9	4.7	6.9	9.4	4.6	5.3	2.9	4.6	7.8	10.5	4.7	8.2
35 to 39 years												
Civilian noninstitutional population	1,406	1,804	153	181	44	60	3,231	3,279	504	518	286	287
Civilian labor force	1,371	1,756	144	168	42	56	3,110	3,154	456	459	270	271
Employed	1,335	1,687	137	154	40	52	3,027	3,045	430	421	254	252
Unemployed	36	69	7	14	2	4	83	109	26	38	16	19
Unemployment rate	2.6	3.9	4.9	8.3	4.8	7.1	2.7	3.5	5.7	8.3	5.9	7.0

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

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

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL												
Civilian noninstitutional population	109,969	111,438	46,014	46,224	63,955	65,214	51,563	52,706	4,594	4,532	46,969	48,174
Civilian labor force	71,192	72,207	28,803	28,990	42,390	43,217	31,716	32,512	2,926	2,892	28,790	29,620
Percent of population	64.7	64.8	62.6	62.7	66.3	66.3	61.5	61.7	63.7	63.8	61.3	61.5
Employed	67,029	67,120	26,759	26,560	40,269	40,560	29,916	30,150	2,859	2,801	27,057	27,349
Unemployed	4,163	5,087	2,044	2,429	2,120	2,658	1,800	2,362	68	92	1,732	2,270
Unemployment rate	5.8	7.0	7.1	8.4	5.0	6.2	5.7	7.3	2.3	3.2	6.0	7.7
Not in labor force	38,777	39,230	17,211	17,235	21,566	21,997	19,847	20,194	1,668	1,640	18,179	18,554
Males, 20 years and over												
Civilian noninstitutional population	46,304	47,121	18,963	19,190	27,341	27,931	21,990	22,485	2,099	2,068	19,891	20,417
Civilian labor force	37,417	37,874	14,776	14,861	22,640	23,013	17,069	17,360	1,741	1,692	15,328	15,668
Percent of population	80.8	80.4	77.9	77.4	82.8	82.4	77.6	77.2	83.0	81.8	77.1	76.7
Employed	35,848	35,649	13,957	13,774	21,892	21,875	16,415	16,323	1,716	1,660	14,699	14,663
Unemployed	1,569	2,225	821	1,088	749	1,137	654	1,036	26	32	628	1,004
Unemployment rate	4.2	5.9	5.6	7.3	3.3	4.9	3.8	6.0	1.5	1.9	4.1	6.4
Not in labor force	8,886	9,247	4,187	4,327	4,700	4,920	4,921	5,126	358	376	4,563	4,750
Females, 20 years and over												
Civilian noninstitutional population	52,610	53,422	22,637	22,722	29,972	30,700	24,250	24,873	1,948	1,941	22,302	22,932
Civilian labor force	27,336	28,136	11,668	11,848	15,668	16,288	11,574	12,107	862	891	10,712	11,216
Percent of population	52.0	52.7	51.5	52.1	52.3	53.1	47.7	48.7	44.2	45.9	48.0	48.9
Employed	25,792	26,405	10,914	11,017	14,878	15,388	10,905	11,290	840	859	10,065	10,431
Unemployed	1,544	1,731	754	831	790	900	669	816	22	32	647	784
Unemployment rate	5.6	6.2	6.5	7.0	5.0	5.5	5.8	6.7	2.6	3.6	6.0	7.0
Not in labor force	25,274	25,285	10,969	10,874	14,305	14,411	12,676	12,766	1,087	1,050	11,589	11,716
Both sexes, 16-19 years												
Civilian noninstitutional population	11,056	10,894	4,413	4,313	6,642	6,581	5,323	5,348	546	523	4,777	4,825
Civilian labor force	6,439	6,197	2,358	2,279	4,081	3,918	3,073	3,045	323	309	2,750	2,736
Percent of population	58.2	56.9	53.4	52.8	61.4	59.5	57.7	56.9	59.1	59.1	57.6	56.7
Employed	5,388	5,066	1,889	1,769	3,499	3,297	2,595	2,536	303	281	2,292	2,255
Unemployed	1,051	1,131	469	510	581	621	477	509	19	28	458	481
Unemployment rate	16.3	18.2	19.9	22.4	14.2	15.8	15.5	16.7	6.0	9.1	16.7	17.6
Not in labor force	4,617	4,698	2,055	2,034	2,562	2,664	2,250	2,303	224	214	2,026	2,089
White												
Civilian noninstitutional population	94,587	95,516	35,200	35,076	59,387	60,440	47,027	48,141	4,340	4,264	42,687	43,877
Civilian labor force	61,489	62,291	22,218	22,276	39,272	40,015	29,113	29,880	2,791	2,751	26,322	27,129
Percent of population	65.0	65.2	63.1	63.5	66.1	66.2	61.9	62.1	64.3	64.5	61.7	61.8
Employed	58,423	58,503	21,003	20,809	37,421	37,694	27,602	27,877	2,734	2,673	24,868	25,204
Unemployed	3,066	3,788	1,215	1,468	1,851	2,320	1,511	2,003	57	78	1,454	1,925
Unemployment rate	5.0	6.1	5.5	6.6	4.7	5.8	5.2	6.7	2.0	2.8	5.5	7.1
Not in labor force	33,097	33,225	12,982	12,799	20,115	20,426	17,914	18,261	1,549	1,513	16,365	16,748
Black and other												
Civilian noninstitutional population	15,383	15,922	10,814	11,149	4,568	4,773	4,535	4,565	254	268	4,281	4,297
Civilian labor force	9,703	9,916	6,585	6,713	3,118	3,203	2,603	2,632	135	142	2,468	2,490
Percent of population	63.1	62.3	60.9	60.2	68.3	67.1	57.4	57.7	53.1	52.9	57.7	57.9
Employed	8,606	8,617	5,757	5,752	2,849	2,865	2,314	2,273	124	128	2,190	2,145
Unemployed	1,097	1,299	828	962	269	337	289	359	10	14	279	345
Unemployment rate	11.3	13.1	12.6	14.3	8.6	10.5	11.1	13.6	7.7	9.8	11.3	13.9
Not in labor force	5,680	6,006	4,230	4,435	1,450	1,571	1,932	1,933	119	126	1,813	1,807

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

(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	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL												
Civilian noninstitutional population	28,801	29,244	132,731	134,899	10,948	11,113	99,021	100,325	17,853	18,131	33,709	34,575
Civilian labor force	16,195	16,394	86,713	88,325	5,964	6,002	65,229	66,205	10,231	10,392	21,485	22,119
Percent of population	56.2	56.1	65.3	65.5	54.5	54.0	65.9	66.0	57.3	57.3	63.7	64.0
Employed	14,877	14,768	82,068	82,502	5,284	5,187	61,745	61,933	9,593	9,581	20,323	20,569
Unemployed	1,318	1,626	4,645	5,823	680	815	3,483	4,272	638	811	1,162	1,550
Unemployment rate	8.1	9.9	5.4	6.6	11.4	13.6	5.3	6.5	6.2	7.8	5.4	7.0
Not in labor force	12,606	12,850	46,018	46,575	4,894	5,111	33,793	34,119	7,622	7,739	12,225	12,455
White												
Civilian noninstitutional population	20,389	20,713	121,224	122,944	5,543	5,609	89,044	89,907	14,847	15,104	32,181	33,037
Civilian labor force	11,695	11,918	78,907	80,253	3,076	3,143	58,413	59,148	8,619	8,775	20,494	21,105
Percent of population	57.4	57.5	65.1	65.3	55.5	56.0	65.6	65.8	58.1	58.1	63.7	63.9
Employed	10,999	11,019	75,026	75,362	2,828	2,824	55,594	55,679	8,170	8,195	19,432	19,682
Unemployed	697	899	3,881	4,891	248	319	2,818	3,469	449	580	1,062	1,422
Unemployment rate	6.0	7.5	4.9	6.1	8.1	10.1	4.8	5.9	5.2	6.6	5.2	6.7
Not in labor force	8,694	8,795	42,318	42,691	2,466	2,466	30,631	30,759	6,228	6,329	11,687	11,932
Black and other												
Civilian noninstitutional population	8,411	8,532	11,507	11,955	5,405	5,504	9,978	10,417	3,007	3,027	1,529	1,537
Civilian labor force	4,500	4,476	7,806	8,072	2,887	2,859	6,816	7,057	1,612	1,617	991	1,014
Percent of population	53.5	52.5	67.8	67.5	53.4	51.9	68.3	67.7	53.6	53.4	64.8	66.0
Employed	3,878	3,749	7,042	7,140	2,455	2,363	6,151	6,254	1,423	1,387	891	887
Unemployed	621	727	765	931	432	496	665	803	189	231	100	128
Unemployment rate	13.8	16.2	9.8	11.5	15.0	17.3	9.8	11.4	11.7	14.3	10.1	12.6
Not in labor force	3,912	4,055	3,700	3,883	2,518	2,645	3,162	3,360	1,394	1,410	538	523

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

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980	1979	1980
TOTAL												
Both sexes, 16 years and over	8.1	9.9	5.4	6.6	11.4	13.6	5.3	6.5	6.2	7.8	5.4	7.0
Males, 20 years and over	5.7	8.1	3.8	5.5	8.4	11.3	3.8	5.4	4.2	6.4	3.7	5.8
Females, 20 years and over	8.3	9.0	5.2	5.8	10.9	11.6	5.2	5.6	6.6	7.4	5.4	6.5
Both sexes, 16-19 years	21.9	24.2	15.0	16.5	30.1	35.1	15.0	16.7	17.2	18.1	14.8	16.1
White												
Both sexes, 16 years and over	6.0	7.5	4.9	6.1	8.1	10.1	4.8	5.9	5.2	6.6	5.2	6.7
Males, 20 years and over	4.3	6.3	3.4	5.1	6.3	8.7	3.4	4.9	3.6	5.5	3.6	5.6
Females, 20 years and over	6.2	6.8	4.8	5.4	8.2	8.8	4.7	5.1	5.5	6.0	5.1	6.2
Both sexes, 16-19 years	15.2	18.0	13.8	15.2	18.6	25.4	13.6	15.1	14.0	15.6	14.2	15.3
Black and other												
Both sexes, 16 years and over	13.8	16.2	9.8	11.5	15.0	17.3	9.8	11.4	11.7	14.3	10.1	12.6
Males, 20 years and over	9.8	13.7	7.6	10.1	11.2	14.9	7.8	10.1	7.4	11.8	6.1	10.3
Females, 20 years and over	12.7	13.9	8.7	9.6	13.2	14.1	8.5	9.4	11.9	13.4	10.4	10.9
Both sexes, 16-19 years	37.5	40.5	30.4	32.6	40.7	44.9	31.0	32.4	31.8	32.2	27.5	33.5

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60. Unemployment in families by type of family, race, Hispanic origin, and presence of employed family members

(Numbers in thousands)

Type of family, race, and Hispanic origin	1979					1980				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	58,725	4,847	25.7	74.3	67.0	59,327	5,873	27.8	72.2	64.1
With children under 18 years of age	30,379	3,147	25.9	74.1	67.2	30,411	3,689	28.5	71.5	63.5
Married-couple families	48,141	3,585	18.1	81.9	75.3	48,251	4,373	20.9	79.1	71.3
With children under 18 years of age	24,536	2,343	16.6	83.4	77.4	24,259	2,784	20.1	79.9	72.0
Families maintained by females	8,419	1,039	49.7	50.3	40.5	8,780	1,207	49.8	50.2	40.2
With children under 18 years of age	5,114	716	55.3	44.7	34.5	5,359	790	55.9	44.1	34.9
Families maintained by males	2,166	224	36.4	63.6	55.6	2,297	293	39.9	60.1	54.3
With children under 18 years of age	729	89	34.8	65.2	59.6	792	116	45.3	54.7	51.3
White										
Total families	51,554	3,774	22.9	77.1	70.0	51,989	4,641	25.3	74.7	66.7
With children under 18 years of age	25,978	2,403	22.4	77.6	70.9	25,963	2,876	25.6	74.4	66.4
Married-couple families	43,857	3,009	17.9	82.1	75.6	43,983	3,736	20.7	79.3	71.4
With children under 18 years of age	22,015	1,939	16.3	83.7	77.8	21,822	2,360	20.0	80.0	71.9
Families maintained by females	5,905	602	44.5	55.5	45.2	6,132	693	46.1	53.9	44.5
With children under 18 years of age	3,370	400	50.0	50.0	39.2	3,501	427	53.1	46.9	38.0
Families maintained by males	1,792	163	35.6	64.4	57.1	1,873	211	37.9	62.1	55.5
With children under 18 years of age	593	64	31.8	68.2	62.1	640	89	43.2	56.8	53.9
Black										
Total families	6,248	990	36.2	63.8	55.6	6,385	1,125	37.4	62.6	53.7
With children under 18 years of age	3,845	690	37.8	62.2	54.2	3,888	742	39.2	60.8	52.3
Married-couple families	3,554	511	18.6	81.4	74.0	3,520	561	20.8	79.2	71.4
With children under 18 years of age	2,068	361	17.2	82.8	76.7	1,981	371	19.5	80.5	73.2
Families maintained by females	2,366	422	57.1	42.9	33.9	2,501	492	55.2	44.8	34.0
With children under 18 years of age	1,654	306	62.0	38.0	28.2	1,771	346	59.7	40.3	30.3
Families maintained by males	329	57	40.4	59.6	50.9	364	72	45.2	54.8	50.7
With children under 18 years of age	124	24	(1)	(1)	(1)	135	25	(1)	(1)	(1)
Hispanic origin										
Total families	2,903	338	28.3	71.7	63.4	3,128	439	31.4	68.6	61.5
With children under 18 years of age	1,991	242	31.8	68.2	60.3	2,146	316	32.6	67.4	60.4
Married-couple families	2,202	253	20.5	79.5	71.3	2,310	336	25.3	74.7	67.6
With children under 18 years of age	1,521	185	23.7	76.3	68.3	1,600	251	25.5	74.5	66.9
Families maintained by females	557	66	58.2	41.8	34.3	641	76	61.8	38.2	32.9
With children under 18 years of age	420	49	63.3	36.7	28.6	483	52	67.3	32.7	26.9
Families maintained by males	144	19	(1)	(1)	(1)	176	27	(1)	(1)	(1)
With children under 18 years of age	50	7	(1)	(1)	(1)	63	13	(1)	(1)	(1)

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

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1979				1980			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed	5,963	38.0	62.0	55.6	7,448	40.2	59.8	52.8
In families	5,134	28.0	72.0	64.5	6,377	30.2	69.8	61.6
Husbands	1,054	46.3	53.7	41.5	1,578	45.4	54.6	41.6
With children under 18 years of age	643	51.5	48.5	35.7	1,019	48.7	51.3	37.2
Wives	1,172	13.4	86.6	81.5	1,343	16.6	83.4	77.7
With children under 18 years of age	744	10.3	89.7	85.2	840	13.7	86.3	80.9
Relatives in married-couple families	1,530	7.9	92.1	87.7	1,796	9.3	90.7	85.8
Females who maintain families	416	81.1	18.9	12.3	470	80.7	19.3	12.3
With children under 18 years of age	347	87.0	13.0	6.4	391	87.0	13.0	7.2
Relatives in families maintained by females	720	33.1	66.9	55.5	873	35.0	65.0	53.6
Males who maintain families	75	73.2	26.8	19.1	118	72.0	28.0	21.4
With children under 18 years of age	31	(2)	(2)	(2)	53	86.4	13.6	10.1
Relatives in families maintained by males	167	23.8	76.2	68.5	200	24.9	75.1	69.4
Not in families ¹	829	--	--	--	1,071	--	--	--
White								
Total unemployed	4,577	36.0	64.0	57.9	5,790	38.2	61.8	55.0
In families	3,930	25.4	74.6	67.4	4,960	27.8	72.2	64.2
Husbands	881	47.0	53.0	40.5	1,346	45.7	54.3	40.8
With children under 18 years of age	524	52.7	47.3	34.0	860	49.4	50.6	35.7
Wives	987	12.8	87.2	82.3	1,147	15.7	84.3	78.7
With children under 18 years of age	611	9.6	90.4	86.3	703	12.9	87.1	81.9
Relatives in married-couple families	1,254	7.5	92.5	88.5	1,497	8.9	91.1	86.6
Females who maintain families	238	75.7	24.3	15.7	269	78.0	22.0	14.5
With children under 18 years of age	191	82.9	17.1	8.0	215	86.0	14.0	7.9
Relatives in families maintained by females	394	29.7	70.3	60.0	472	31.5	68.5	58.6
Males who maintain families	54	72.4	27.6	20.1	82	72.6	27.4	20.4
With children under 18 years of age	22	(2)	(2)	(2)	39	84.9	15.1	11.0
Relatives in families maintained by males	122	23.0	77.0	69.7	146	23.2	76.8	70.7
Not in families ¹	647	--	--	--	830	--	--	--
Black								
Total unemployed	1,269	45.4	54.6	47.2	1,499	48.0	52.0	44.4
In families	1,105	37.3	62.7	54.2	1,282	39.2	60.8	51.9
Husbands	149	42.4	57.6	47.1	199	41.4	58.6	48.1
With children under 18 years of age	104	45.0	55.0	44.4	137	42.5	57.5	47.2
Wives	158	17.0	83.0	76.0	162	22.2	77.8	71.6
With children under 18 years of age	115	14.0	86.0	79.7	115	18.2	81.8	75.4
Relatives in married-couple families	250	10.2	89.8	83.6	263	11.7	88.3	81.6
Females who maintain families	172	88.4	11.6	7.5	191	85.4	14.6	8.6
With children under 18 years of age	151	92.1	7.9	4.3	168	89.1	10.9	5.6
Relatives in families maintained by females	315	37.8	62.2	49.4	386	39.4	60.6	47.3
Males who maintain families	20	(2)	(2)	(2)	32	(2)	(2)	(2)
With children under 18 years of age	10	(2)	(2)	(2)	12	(2)	(2)	(2)
Relatives in families maintained by males	41	25.0	75.0	66.3	49	29.8	70.2	65.2
Not in families ¹	164	--	--	--	217	--	--	--
Hispanic origin								
Total unemployed	415	37.8	62.2	55.2	554	39.4	60.6	54.5
In families	374	31.0	69.0	61.3	498	32.4	67.6	60.7
Husbands	90	46.9	53.1	41.6	139	50.8	49.2	39.3
With children under 18 years of age	68	54.0	46.0	34.0	108	53.4	46.6	37.0
Wives	88	16.4	83.6	78.2	92	16.3	83.7	76.7
With children under 18 years of age	62	18.9	81.1	75.3	68	15.0	85.0	79.0
Relatives in married-couple families	102	9.2	90.8	85.0	149	9.5	90.5	85.5
Females who maintain families	30	(2)	(2)	(2)	33	(2)	(2)	(2)
With children under 18 years of age	24	(2)	(2)	(2)	28	(2)	(2)	(2)
Relatives in families maintained by females	44	47.7	52.3	43.4	53	48.4	51.6	46.4
Males who maintain families	7	(2)	(2)	(2)	8	(2)	(2)	(2)
With children under 18 years of age	3	(2)	(2)	(2)	5	(2)	(2)	(2)
Relatives in families maintained by males	14	(2)	(2)	(2)	23	(2)	(2)	(2)
Not in families ¹	41	--	--	--	56	--	--	--

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

and some whose status is unknown.

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

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1979				1980			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed	96,945	37.0	63.0	53.9	97,270	37.6	62.4	53.0
In families	83,036	26.5	73.5	62.9	82,644	26.6	73.4	62.4
Husbands	38,252	38.1	61.9	45.1	37,505	37.6	62.4	45.2
With children under 18 years of age	22,837	40.6	59.4	39.7	22,196	39.9	60.1	39.8
Wives	22,480	8.4	91.6	87.4	22,781	9.4	90.6	85.8
With children under 18 years of age	6,892	4.2	95.8	92.6	12,231	5.4	94.6	90.8
Relatives in married-couple families	11,567	5.2	94.8	91.5	11,358	5.5	94.5	90.8
Females who maintain families	4,583	64.1	35.9	24.4	4,686	65.2	34.8	23.5
With children under 18 years of age	3,068	75.5	24.5	12.9	3,147	76.6	23.4	12.4
Relatives in families maintained by females	3,453	26.5	73.5	63.4	3,510	27.4	72.6	61.6
Males who maintain families	1,584	55.2	44.8	34.6	1,643	56.3	43.7	33.2
With children under 18 years of age	634	65.2	34.8	20.8	666	69.3	30.7	18.1
Relatives in families maintained by males	1,117	16.1	83.9	78.7	1,161	15.4	84.6	77.7
Not in families ¹	13,909	--	--	--	14,626	--	--	--
White								
Total employed	86,025	36.5	63.5	54.1	86,380	37.2	62.8	53.2
In families	73,911	26.1	73.9	63.0	73,549	26.2	73.8	62.5
Husbands	34,946	38.6	61.4	44.1	34,346	38.1	61.9	44.2
With children under 18 years of age	20,650	41.4	58.6	38.1	20,124	40.8	59.2	38.2
Wives	20,145	8.0	92.0	87.9	20,428	8.9	91.1	86.4
With children under 18 years of age	10,582	3.7	96.3	93.3	10,774	4.8	95.2	91.5
Relatives in married-couple families	10,518	5.1	94.9	91.7	10,359	5.4	94.6	91.0
Females who maintain families	3,375	61.3	38.7	25.9	3,430	63.1	36.9	24.6
With children under 18 years of age	2,200	73.4	26.6	13.3	2,239	75.3	24.7	12.2
Relatives in families maintained by females	2,649	26.2	73.8	64.1	2,652	27.6	72.4	61.8
Males who maintain families	1,332	54.3	45.7	34.9	1,371	55.6	44.4	33.2
With children under 18 years of age	530	62.9	37.1	21.7	552	68.0	32.0	18.2
Relatives in families maintained by males	945	15.5	84.5	79.7	962	15.0	85.0	78.0
Not in families ¹	12,114	--	--	--	12,831	--	--	--
Black								
Total employed	9,160	42.4	57.6	50.6	9,098	43.0	57.0	49.6
In families	7,652	31.0	69.0	60.6	7,577	31.5	68.5	59.6
Husbands	2,708	32.7	67.3	55.8	2,577	31.6	68.4	56.4
With children under 18 years of age	1,786	32.4	67.6	55.9	1,679	31.5	68.5	56.3
Wives	1,894	12.7	87.3	82.5	1,887	14.6	85.4	80.0
With children under 18 years of age	1,199	8.3	91.7	87.2	1,165	10.2	89.8	85.1
Relatives in married-couple families	817	6.3	93.7	88.3	754	7.7	92.3	86.3
Females who maintain families	1,124	72.8	27.2	19.8	1,174	72.1	27.9	19.9
With children under 18 years of age	817	81.3	18.7	11.5	862	80.4	19.6	12.5
Relatives in families maintained by females	743	28.1	71.9	59.9	793	27.6	72.4	59.7
Males who maintain families	222	61.9	38.1	31.3	230	61.7	38.3	31.5
With children under 18 years of age	95	78.7	21.3	15.3	102	76.1	23.9	17.6
Relatives in families maintained by males	144	21.7	78.3	71.0	163	19.5	80.5	74.4
Not in families ¹	1,508	--	--	--	1,521	--	--	--
Hispanic origin								
Total employed	4,605	38.8	61.2	53.9	4,931	39.2	60.8	53.1
In families	4,005	29.7	70.3	62.0	4,261	29.6	70.4	61.4
Husbands	1,839	44.2	55.8	43.7	1,879	43.5	56.5	44.1
With children under 18 years of age	1,357	46.5	53.5	40.5	1,387	46.2	53.8	40.5
Wives	956	8.8	91.2	87.7	986	8.8	91.2	86.2
With children under 18 years of age	646	6.8	93.2	90.1	665	7.2	92.8	87.8
Relatives in married-couple families	602	5.9	94.1	89.6	661	6.1	93.9	88.0
Females who maintain families	225	68.0	32.0	22.2	271	71.3	28.7	21.3
With children under 18 years of age	163	76.9	23.1	13.7	201	80.7	19.3	12.0
Relatives in families maintained by females	168	24.6	75.4	64.8	187	24.7	75.3	63.7
Males who maintain families	112	46.3	53.7	46.6	144	48.4	51.6	43.1
With children under 18 years of age	42	62.2	37.8	27.7	53	66.9	33.1	27.3
Relatives in families maintained by males	103	9.0	91.0	86.9	134	6.4	93.6	88.5
Not in families ¹	600	--	--	--	670	--	--	--

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

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

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

[In thousands]

Industry	1977	1978	1979	1980 P	Change from	
					1978-1979	1979-1980 P
TOTAL	82,471	86,697	89,886	90,652	3,189	766
GOODS-PRODUCING	24,346	25,585	26,504	25,857	919	-647
MINING	813	851	960	1,025	109	65
CONSTRUCTION	3,851	4,229	4,483	4,468	254	-15
MANUFACTURING	19,682	20,505	21,062	20,365	557	-697
DURABLE GOODS	11,597	12,274	12,772	12,218	498	-554
Lumber and wood products	721.9	754.7	766.1	686.7	11.4	-79.4
Furniture and fixtures	464.3	494.1	499.3	473.7	5.2	-25.6
Stone, clay, and glass products	668.7	698.2	709.7	667.9	11.5	-41.8
Primary metal industries	1,181.6	1,214.9	1,250.2	1,132.7	35.3	-117.5
Fabricated metal products	1,582.8	1,672.6	1,723.7	1,627.2	51.1	-96.5
Machinery, except electrical	2,174.7	2,325.5	2,481.6	2,488.5	156.1	6.9
Electric and electronic equipment	1,878.0	2,006.1	2,124.3	2,126.9	118.2	2.6
Transportation equipment	1,871.5	2,002.8	2,082.8	1,892.2	80.0	-190.6
Instruments and related products	615.1	653.1	688.9	700.1	35.8	11.2
Miscellaneous manufacturing industries	438.4	451.5	445.6	422.0	-5.9	-23.6
NONDURABLE GOODS	8,086	8,231	8,290	8,147	59	-143
Food and kindred products	1,711.0	1,724.1	1,728.1	1,689.0	4.0	-39.1
Tobacco manufactures	70.7	70.6	69.9	68.7	-.7	-1.2
Textile mill products	910.2	899.1	888.5	864.0	-10.6	-24.5
Apparel and other textile products	1,316.3	1,332.3	1,312.5	1,297.7	-19.8	-14.8
Paper and allied products	691.6	698.7	706.7	694.3	8.0	-12.4
Printing and publishing	1,141.4	1,192.0	1,239.5	1,272.1	47.5	32.6
Chemicals and allied products	1,073.7	1,095.5	1,110.7	1,112.9	15.2	2.2
Petroleum and coal products	202.3	207.7	210.0	197.3	2.3	-12.7
Rubber and misc. plastics products	713.5	754.5	775.6	711.0	21.1	-64.6
Leather and leather products	254.8	256.8	248.0	240.0	-8.8	-8.0
SERVICE-PRODUCING	58,125	61,113	63,382	64,795	2,269	1,413
TRANSPORTATION AND PUBLIC UTILITIES	4,713	4,923	5,141	5,155	218	14
WHOLESALE AND RETAIL TRADE	18,516	19,542	20,269	20,571	727	302
WHOLESALE TRADE	4,708	4,969	5,204	5,281	235	77
RETAIL TRADE	13,808	14,573	15,066	15,290	493	224
FINANCE, INSURANCE, AND REAL ESTATE	4,467	4,724	4,974	5,162	250	188
SERVICES	15,303	16,252	17,078	17,736	826	658
GOVERNMENT	15,127	15,672	15,920	16,171	248	251
FEDERAL	2,727	2,753	2,773	2,867	20	94
STATE AND LOCAL	12,399	12,919	13,147	13,304	228	157

p=preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

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

(In thousands)

Industry	1977	1978	1979	1980 P	Change from	
					1978-1979	1979-1980 P
TOTAL PRIVATE	55,179	58,156	60,442	60,589	2,286	147
MINING	618	638	721	763	83	42
CONSTRUCTION	3,021	3,354	3,581	3,516	227	-65
MANUFACTURING	14,135	14,734	15,085	14,281	351	-804
DURABLE GOODS	8,307	8,805	9,120	8,470	-315	-650
Lumber and wood products	616.3	646.6	653.1	574.9	6.5	-78.2
Furniture and fixtures	381.8	406.3	407.3	382.6	1.0	-24.7
Stone, clay, and glass products	532.9	554.3	559.5	517.9	5.2	-41.6
Primary metal industries	922.1	954.3	983.6	870.1	29.3	-113.5
Fabricated metal products	1,198.2	1,270.0	1,303.6	1,206.7	33.6	-96.9
Machinery, except electrical	1,422.0	1,526.4	1,631.8	1,600.6	105.4	-31.2
Electric and electronic equipment	1,233.2	1,317.9	1,393.7	1,354.4	75.8	-39.3
Transportation equipment	1,290.4	1,383.9	1,427.4	1,228.0	43.5	-199.4
Instruments and related products	375.5	400.3	420.1	418.3	19.8	-1.8
Miscellaneous manufacturing industries	334.2	344.5	339.8	316.9	-4.7	-22.9
NONDURABLE GOODS	5,828	5,929	5,965	5,811	36	-154
Food and kindred products	1,161.0	1,173.9	1,186.6	1,155.7	12.7	-30.9
Tobacco manufactures	57.0	56.2	55.4	53.5	-8	-1.9
Textile mill products	792.3	783.1	774.1	751.7	-9.0	-22.4
Apparel and other textile products	1,129.4	1,144.6	1,123.5	1,108.9	-21.1	-14.6
Paper and allied products	518.2	524.7	535.5	523.7	10.8	-11.8
Printing and publishing	646.5	671.9	701.2	714.5	29.3	13.3
Chemicals and allied products	616.0	627.6	633.4	627.0	5.8	-6.4
Petroleum and coal products	131.3	135.5	137.2	124.5	1.7	-12.7
Rubber and misc. plastics products	558.1	591.2	607.4	547.9	16.2	-59.5
Leather and leather products	218.4	220.4	211.1	202.9	-9.3	-8.2
TRANSPORTATION AND PUBLIC UTILITIES	4,008	4,142	4,304	4,302	162	-2
WHOLESALE AND RETAIL TRADE	16,316	17,219	17,818	18,044	599	226
WHOLESALE TRADE	3,878	4,094	4,274	4,316	180	42
RETAIL TRADE	12,438	13,125	13,544	13,728	419	184
FINANCE, INSURANCE, AND REAL ESTATE	3,397	3,593	3,774	3,905	181	131
SERVICES	13,683	14,476	15,161	15,777	685	616

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

P=preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

**3. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls
by industry division and major manufacturing group**

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1977	1978	1979	1980P	1977	1978	1979	1980P	1977	1978	1979	1980P
TOTAL PRIVATE	36.0	35.8	35.6	35.3	\$5.25	\$5.69	\$6.16	\$6.66	\$189.00	\$203.70	\$219.30	\$235.10
MINING	43.4	43.4	43.0	43.2	6.94	7.67	8.50	9.18	301.20	332.88	365.50	396.58
CONSTRUCTION	36.5	36.8	37.0	37.0	8.10	8.66	9.27	9.93	295.65	318.69	342.99	367.41
MANUFACTURING	40.3	40.4	40.2	39.7	5.68	6.17	6.69	7.27	228.90	249.27	268.94	288.62
<i>Overtime hours</i>	3.5	3.6	3.3	2.8	—	—	—	—	—	—	—	—
DURABLE GOODS	41.0	41.1	40.8	40.2	6.06	6.58	7.13	7.76	248.46	270.44	290.90	311.95
<i>Overtime hours</i>	3.7	3.8	3.5	2.8	—	—	—	—	—	—	—	—
Lumber and wood products	39.8	39.8	39.4	38.6	5.10	5.60	6.08	6.56	202.98	222.88	239.55	253.22
Furniture and fixtures	39.0	39.3	38.7	38.0	4.34	4.68	5.06	5.48	169.26	183.92	195.82	208.24
Stone, clay, and glass products	41.3	41.6	41.5	40.8	5.81	6.33	6.85	7.51	239.95	263.33	284.28	306.41
Primary metal industries	41.3	41.8	41.4	40.1	7.40	8.20	8.97	9.77	305.62	342.76	371.36	391.78
Fabricated metal products	41.0	41.0	40.7	40.4	5.91	6.35	6.84	7.43	242.31	260.35	278.39	300.17
Machinery, except electrical	41.5	42.1	41.8	41.1	6.26	6.78	7.32	8.04	259.79	285.44	305.98	330.44
Electric and electronic equipment	40.4	40.3	40.3	39.8	5.39	5.82	6.32	6.96	217.76	234.55	254.70	277.01
Transportation equipment	42.5	42.2	41.1	40.6	7.29	7.91	8.54	9.35	309.83	333.80	350.99	379.61
Instruments and related products	40.6	40.9	40.8	40.5	5.29	5.71	6.17	6.80	214.77	233.54	251.74	275.40
Miscellaneous manufacturing industries	38.8	38.8	38.8	38.7	4.36	4.69	5.03	5.45	169.17	181.97	195.16	210.92
NONDURABLE GOODS	39.4	39.4	39.3	39.0	5.11	5.53	6.00	6.53	201.33	217.88	235.80	254.67
<i>Overtime hours</i>	3.2	3.2	3.1	2.8	—	—	—	—	—	—	—	—
Food and kindred products	40.0	39.7	39.9	39.7	5.37	5.80	6.27	6.86	214.80	230.26	250.17	272.34
Tobacco manufactures	37.8	38.1	38.0	38.2	5.54	6.13	6.65	7.67	209.41	233.55	252.70	292.99
Textile mill products	40.4	40.4	40.4	40.1	3.99	4.30	4.66	5.07	161.20	173.72	188.26	203.31
Apparel and other textile products products	35.6	35.6	35.3	35.4	3.62	3.94	4.23	4.57	128.87	140.26	149.32	161.78
Paper and allied products	42.9	42.9	42.6	42.3	5.96	6.52	7.13	7.85	255.68	279.71	303.74	332.06
Printing and publishing	37.7	37.6	37.5	37.1	6.12	6.51	6.95	7.54	230.72	244.78	260.63	279.73
Chemicals and allied products	41.7	41.9	41.9	41.5	6.43	7.02	7.60	8.29	268.13	294.14	318.44	344.04
Petroleum and coal products	42.7	43.6	43.8	41.7	7.83	8.63	9.36	10.09	334.34	376.27	409.97	420.75
Rubber and misc. plastics products	41.0	40.9	40.5	40.0	5.17	5.52	5.96	6.49	211.97	225.77	241.38	259.60
Leather and leather products	36.9	37.1	36.5	36.7	3.61	3.89	4.22	4.57	133.21	144.32	154.03	167.72
TRANSPORTATION AND PUBLIC UTILITIES	39.9	40.0	39.9	39.6	6.99	7.57	8.17	8.88	278.90	302.80	325.98	351.65
WHOLESALE AND RETAIL TRADE	33.3	32.9	32.6	32.1	4.28	4.67	5.06	5.48	142.52	153.64	164.96	175.91
WHOLESALE TRADE	38.8	38.8	38.8	38.5	5.39	5.88	6.39	6.97	209.13	228.14	247.93	268.35
RETAIL TRADE	31.6	31.0	30.6	30.2	3.85	4.20	4.53	4.88	121.66	130.20	138.62	147.38
FINANCE, INSURANCE, AND REAL ESTATE	36.4	36.4	36.2	36.2	4.54	4.89	5.27	5.78	165.26	178.00	190.77	209.24
SERVICES	33.0	32.8	32.7	32.6	4.65	4.99	5.36	5.85	153.45	163.67	175.27	190.71

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

p=preliminary unweighted averages.

Explanatory Notes

Introduction

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

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed, and the unemployed, including such characteristics as age, sex, race, family relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 65,000 households, representing 629 areas in 1,133 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

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

dustries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

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

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

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

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

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

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

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

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

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

Each month, 65,000 occupied units are eligible for interview. About 2,800 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 65,000 occupied units, there are 12,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next and one-half to be common with the same month a year earlier.

Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States

and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the national 47,000 household sample in January 1978.

Over the period November 1978 to April 1979 the sample was again enlarged by 9,000 households. This was done to permit the publication of reliable quarterly estimates for the 50 States and the District of Columbia. These supplementary households were added to the 56,000 household sample in January 1980.

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nonveterans are males who never served in the Armed Forces.

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

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

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

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

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

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

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

HISTORIC COMPARABILITY

Raised lower age limit

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

Noncomparability of labor force levels

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

in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning in 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning in 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

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

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

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

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

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

Changes in the occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational

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

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

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

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

Changes in sample design

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

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

sample of 9,000 households selected in 32 States and the District of Columbia to provide more reliable quarterly average estimates for States, was added to the existing sample.

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

ESTIMATING METHODS

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

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

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

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

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1970 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

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

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

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

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

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

Prior to January 1974, the independent national controls used for the age-sex-race groups in both the second and third steps of the second-stage ratio estimation procedure were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries. Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. These independent controls are prepared by inflating the most recent census counts to include the estimated net census undercount by age, sex, and race, aging this population forward to each subsequent month and later age by adding births and net migration, and subtracting deaths. These post-censal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

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

Undercoverage in the CPS results from missed housing units and missed persons within sample households. Overall undercoverage as compared to the level of the decennial census, is about 5 percent. It is known that the CPS undercoverage varies with age, sex, and race. Generally, undercoverage is larger for males than for females and larger for black and other races than for whites. Ratio estimation to independent age-sex-race population controls, as described previously, partially corrects for the biases due to survey undercoverage. However, biases exist in the estimates to the extent that missed persons in missed households or missed persons in interviewed households have different characteristics than interviewed persons in the same age-sex-race group. Further, the independent population controls used have not been adjusted for undercoverage in the 1970 census, which was estimated at 2.5 percent of the population, with differentials by age, sex, and race similar to those observed in the CPS.

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

Sampling error. The standard error is primarily a measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The sample estimate and its estimated standard error enable one to construct confidence intervals, ranges that would include the average of all possible samples with a known probability. For example, if all possible samples were selected, each of these surveyed under essentially the same general conditions and using the 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 report 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 A and B 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 C through G provide generalized standard errors for monthly level and month-to-month change for estimated totals, unemployment rates, and percentages. Table H contains factors for use with table G for computing standard errors, as described below, for monthly level and month-to-month change for percentages. Standard errors for intermediate values not shown in the tables may be approximated by linear interpolation. The standard error for estimated changes from one month to the next is more closely related to the monthly level for the characteristic than to the size of the specific month-to-month change itself. Thus, in order to use the generalized standard errors for month-to-month change as given in the tables of standard errors, it is necessary to obtain the monthly estimate for the characteristic. It should be noted that the tables of standard errors for month-to-month change apply only to estimates of change between two consecutive months. Estimates of change for nonconsecutive months are subject to higher standard errors. Table I contains factors for use with tables C, E, G, and H to compute approximate standard errors, as described below, for levels, labor force participation rates, and percentages as pertaining to year-to-year change of monthly estimates, quarterly averages, changes in quarterly averages, yearly averages and changes in yearly averages. Note that standard errors for changes in quarterly and yearly estimates apply only to consecutive quarters and years. For years prior to 1967, the standard errors must be adjusted due to the differences in the sample size. For years prior to 1956, the standard errors should be multiplied by 1.50 and for the 1956-66 period they should be multiplied by 1.22. Table J provides generalized standard errors for quarterly estimates of persons and families for use with the CPS earnings data.

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

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

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

Tables E and F 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 G and the factors in table H. First obtain the standard error from table G for the specific percentage and base. The generalized standard error is then calculated by multiplying the standard error from table G by the appropriate factor from table H. When the numerator and denominator of the percentage are in different categories, use the factor indicated by the numerator of the percentage.

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

Table A. Standard errors for major employment status categories

Employment status, sex, age, and race	Standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
<i>(In thousands)</i>		
Total, 16 years and over:		
Civilian labor force	208	161
Employed	229	176
Unemployed	122	123
Males, 20 years and over:		
Civilian labor force	113	95
Employed	131	114
Unemployed	84	85
Females, 20 years and over:		
Civilian labor force	167	124
Employed	168	128
Unemployed	71	74
Both sexes, 16-19 years:		
Civilian labor force	80	85
Employed	85	94
Unemployed	58	72
Black and other, 16 years and over:		
Civilian labor force	73	56
Employed	84	63
Unemployed	59	62
Males, 20 years and over:		
Civilian labor force	40	34
Employed	49	43
Unemployed	40	42
Females, 20 years and over:		
Civilian labor force	62	46
Employed	62	48
Unemployed	36	40
Both sexes, 16-19 years:		
Civilian labor force	33	37
Employed	31	36
Unemployed	28	30

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 I 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 I to obtain the approximate standard error for the average or change.

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

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

sons and families may be obtained by using table J 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 J, 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 B. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of—		Selected categories	Standard error of—	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	OCCUPATION—Continued		
Males, 20 years and over . . . . .	.15	.15	Blue collar workers—Continued		
Females, 20 years and over . . . . .	.17	.18	Operatives, except transport . . . . .	.44	.50
Both sexes, 16-19 years . . . . .	.57	.67	Transport equipment operatives . . . . .	.70	.77
White workers . . . . .	.12	.12	Nonfarm laborers . . . . .	.71	.81
Black (and other) workers . . . . .	.46	.49	Service workers . . . . .	.32	.36
Married men, spouse present . . . . .	.15	.18	Farm workers . . . . .	.54	.62
Married women, spouse present . . . . .	.21	.23			
Full-time workers . . . . .	.12	.13	INDUSTRY		
Part-time workers . . . . .	.32	.40	Nonagricultural private wage and		
Unemployed 15 weeks and over . . . . .	.06	.07	salary workers . . . . .	.13	.13
OCCUPATION			Construction . . . . .	.59	.70
White-collar workers . . . . .	.12	.13	Manufacturing . . . . .	.27	.30
Professional and technical . . . . .	.18	.20	Durable goods . . . . .	.37	.41
Managers and administrators,			Nondurable goods . . . . .	.39	.45
except farm . . . . .	.20	.23	Transportation and public utilities . . . . .	.38	.42
Sales workers . . . . .	.36	.41	Wholesale and retail trade . . . . .	.26	.29
Clerical workers . . . . .	.23	.25	Finance and service industries . . . . .	.17	.19
Blue-collar workers . . . . .	.24	.26	Government workers . . . . .	.20	.23
Craft and kindred workers . . . . .	.33	.37	Agricultural wage and salary workers	1.07	1.26

**Table C. Standard errors for estimates of monthly level
(In thousands)**

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

¹ When determining the standard error of an estimate for a group which is a subset of the age, sex, 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 D. Standard errors for estimates of month-to-month change

(In thousands)

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

¹ See footnote 1, table C.

² Part-time labor force for unemployment also includes persons

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

Table E. Standard errors for unemployment rates

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

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

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

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

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

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

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

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

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

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

Table J. Standard errors for estimates of quarterly level

(In thousands)

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

Establishment Data (B, C, and D tables)

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

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

Industry employment

Employment data, except those for the Federal Government, refer to persons on establishment payrolls who received pay for any part of

the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

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

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

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in construction, and nonsupervisory employees in private service-producing industries. An exception to the definitions below are the statistics on hours and earnings of Federal Government employees, reported in table C-3, which are for all Federal employees, both supervisory and nonsupervisory, for the entire calendar month. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

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

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

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

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

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

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

Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis. They reflect not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. They also reflect shifts in the number of employees between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

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

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

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

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

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

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

Railroads hours and earnings. The figures for class I railroads (excluding switching and terminal companies) are based on monthly data

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

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

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

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

"Real" earnings, or earnings in constant dollars, are computed by dividing the earnings averages for the current month by the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and then multiplying by 100. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in the purchasing power of the dollar since the base period (1967).

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

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the average of the 12 monthly figures for 1967. For basic industries, the hour aggregates are the product of average weekly hours and production-worker or nonsupervisory-worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of industry aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time

span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December 1974 issue of *Employment and Earnings*.

Labor turnover

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

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

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

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

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

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

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 K, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry. The labor turnover estimates are stratified by industry only.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1979 levels. Normally, benchmark adjustments are made annually.

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

The estimates for the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates between benchmark periods are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions made at the time of the March 1979 benchmark adjustment is shown in table L.

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 establish-

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

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

See footnotes at end of table.

Table K. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover—Continued

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Annual average data—Continued		
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 of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

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

² The sample production-worker ratio, women-worker ratio, average weekly hours, average overtime hours, and average hourly earnings are modified by a wedging technique designed to com-

pensate 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.

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

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

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

Coverage

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

Table L. Comparison of nonagricultural employment benchmarks and estimates for March 1979

Industry division	Benchmark March 1979	Estimate March 1979	Percent difference
Total	88,654	88,207	0.5
Mining	928	926	.2
Construction	4,093	4,226	-3.2
Manufacturing	20,972	20,887	.4
Transportation and public utilities	5,045	5,060	-.3
Wholesale and retail trade	19,809	19,690	.6
Finance, insurance, and real estate	4,876	4,870	.1
Services	16,829	16,749	.5
Government	16,102	15,799	1.9

Table M. Approximate size and coverage of BLS employment and payrolls sample, March 1979¹

Industry division	Number of establishments in sample	Employees	
		Number reported	Percent of total
Total	166,200	34,701,000	39
Mining	2,200	366,000	39
Construction	16,300	736,000	18
Manufacturing	45,200	11,580,000	55
Transportation and public utilities:			
Railroad transportation (ICC)	40	489,000	91
Other transportation and public utilities ..	7,500	2,305,000	51
Wholesale and retail trade	41,800	3,408,000	17
Finance, insurance, and real estate	10,900	1,779,000	38
Services	24,500	3,257,000	19
Government:			
Federal ²	4,700	2,740,000	100
State and local	13,100	8,041,000	60

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

² National estimates of Federal employment by agency are provided to BLS by the Office of Personnel Management. Detailed industry estimates for the Executive Branch, as well as State and area estimates of Federal employment, are based on a sample of 4,700 reports covering about 55 percent of employment in Federal establishments.

Table N. Approximate size and coverage of BLS labor turnover sample, March 1979

Industry	Employees	
	Number reported	Percent of total
Total	9,987,000	44
Manufacturing	9,093,000	43
Mining	194,000	21
Telephone communication	700,000	68

Reliability of the employment estimates

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

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 (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

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

Industry division	Average benchmark revision in estimates of employment ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment			
Total private	0.3	—	—
Mining .....	.3	0.1	0.2
Contract construction	1.1	.5	.5
Manufacturing	1.7	.2	.3
Durable .....	.3	.1	.1
Nondurable goods .....	.4	.1	.1
Transportation and public utilities .....	.4	.1	.1
Trade .....	.4	.7	.4
Wholesale .....	.3	.1	.2
Retail .....	.9	.2	.3
Finance, insurance, and real estate .....	.2	.2	.2
Services .....	.5	.2	.4
Government ³ .....	.8	.4	.8
Government ³ .....	.5	—	—

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

² Relative errors relate to March 1971 data.

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

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

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

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

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 ¹	Relative errors ² (in percent)	
		Average weekly hours	Average hourly earnings
50,000	2,100	0.9	1.5
100,000	4,400	.7	1.1
200,000	7,100	.5	.9
500,000	15,200	.4	.8
1,000,000	17,100	.3	.5
2,000,000	28,500	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

² Relative errors relate to March 1971 data.

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

STATISTICS FOR STATES AND AREAS

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

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

Table Q. Errors of preliminary employment estimates

Category	Root-mean-square error of—	
	Monthly level	Month-to-month change
INDUSTRY DIVISIONS		
Total nonagricultural employment	69,000	63,000
Mining	5,000	5,000
Contract construction	21,000	19,000
Manufacturing	25,000	24,000
Durable two-digit industries	3,700	3,500
Nondurable two-digit industries ..	2,500	2,500
Transportation and public utilities ...	14,000	14,000
Wholesale and retail trade	30,000	28,000
Finance, insurance, and real estate ...	7,000	6,000
Services	30,000	25,000
Government	43,000	38,000
DETAILED INDUSTRIES: SIZE OF EMPLOYMENT ESTIMATE		
50,000	300	400
100,000	700	700
200,000	1,100	1,100
500,000	3,900	4,100
1,000,000	3,800	3,900
2,000,000	6,000	6,100

NOTE: Division level data are based on differences from January 1974 through March 1980. Detailed industry data are based on differences from August 1978 through June 1979.

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

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

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

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

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

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

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

Notes on the data

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

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

State and Area Unemployment Data (E tables)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

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

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

1. *Preliminary estimate—employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residences as used in the CPS. Factors for adjusting from place of work to place of residence have been developed for the major categories of employment by class of worker and industry on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

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

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

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

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

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

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's)

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

5, *Benchmark correction procedures.* Once each year monthly estimates prepared by State employment security agencies using UI-based estimating procedures are adjusted, or benchmarked, by BLS to the annual average CPS estimates for the 40 States for which monthly

CPS estimates are not available. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS annual averages due to differences in State UI laws, the structural limitations of the UI-based estimating method, and errors in the UI data.

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

Seasonal adjustment

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

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

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

The second change is that seasonal factors are now being calculated for use during the first 6 months of the year rather than for the entire year. In July of each year, the BLS will calculate and publish (in *Employment and Earnings*) a new set of seasonal factors for use in the second half, based on the experience through June. Revisions of historical data for the most recent 5 years will continue to be made once a year, at the beginning of each calendar year.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted data for selected labor force series based on the experience through December 1980, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1981, and a description of the current seasonal adjustment methodology are published in the January 1981 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the entire 5-year revision period for a broader range of labor force series appear in the February 1981 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1980. The ARIMA model options for projecting the data series for 1 year ahead have not been used in seasonally adjusting the establishment series.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory

workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods-producing, 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 1967 base.

Seasonal factors were not computed for a number of series characterized by small seasonal components relative to their trend-cycle and/or irregular components. These unadjusted series are shown and used in the aggregation to broader level seasonally adjusted series.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Further-

more, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service. Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *X-11 ARIMA Method* using the trading day option. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through March 1980. Seasonal factors to be used for current adjustment appear in the July 1980 issue of *Employment and Earnings*.

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