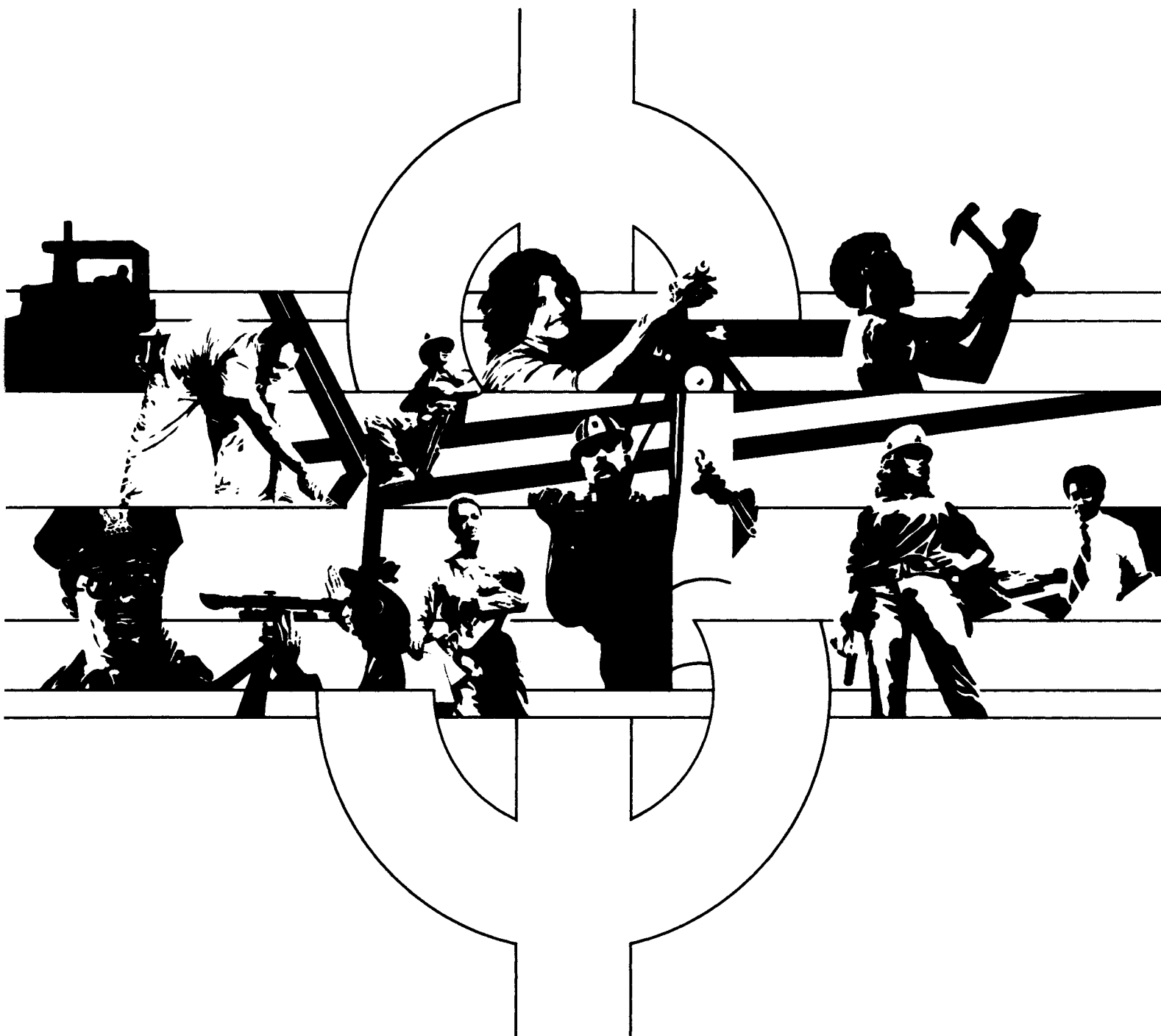


Employment and Earnings March 1982



U.S. Department of Labor
Bureau of Labor Statistics

In this issue:
1981 annual averages for all
national industry series
Revised annual averages, household data





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

BUREAU OF LABOR STATISTICS
Janet L. Norwood, Commissioner

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Calendar of Features

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

Household data

Annual averages	Jan.
Revised seasonally adjusted series	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 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

State and area unemployment data

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

² Month of publication of annual supplement varies. The latest supplement was published in August 1981.

³ Issue varies. Latest revised data introduced July 1981.

⁴ These data first introduced in the May 1981 issue.

Employment and Earnings

Vol. 29 No. 3 March 1982

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

Editors' note

Effective with data for January 1982, population counts derived from the 1980 decennial census have been introduced into the estimation procedures used in the Current Population Survey (household survey). All data for 1981 have been recalculated. Because the magnitude of the revisions affected the historical continuity of labor force series, differences between estimates based on the 1970 census and those based on the 1980 census have been wedged back to 1970 for most series. Historical revisions for major labor force series appear in tables A-1, A-2, 1, and 2. Revised 1980-81 annual averages for more detailed series are included in tables 3 through 62, beginning on page 124. A description of the adjustment of labor force estimates to 1980 census population controls appeared in the February 1982 issue of this publication.

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Discontinuation of spendable earnings and labor turnover series

With release of final December 1981 data in this issue of *Employment and Earnings*, BLS will discontinue computation and publication of the spendable earnings series published in table C-4, and the labor turnover data published in tables D-1 through D-3. State and area labor turnover data which were published in table D-4 were discontinued in last month's issue with publication of November 1981 preliminary data.

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

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

Employment and Unemployment Developments, February 1982

Unemployment rose in February and employment remained near January levels. The Nation's jobless rate returned to the December level of 8.8 percent after declining to 8.5 percent in January.

Total employment—as derived from the monthly survey of households—was 99.6 million in February, about the same as in the prior 2 months. Nonfarm payroll employment—as derived from the monthly survey of establishments—was 90.9 million, also about unchanged from January but down somewhat from the December level. Since the pre-recession peak of last July, the two employment series have declined by 1.3 million and 950,000, respectively.

Unemployment

The number of unemployed persons in February, at 9.6 million, was up 280,000 over the month, after declining by a similar magnitude in January. The jobless total was 1.8 million above the July 1981 level. February's jobless rate was 8.8 percent, equaling the December figure and up from last July's low of 7.2 percent.

Adult women accounted for most of the February increase in unemployment. An over-the-month rise of 0.4 percentage point brought their jobless rate to 7.6 percent, the same as that for adult men. Both white and black women shared in the unemployment increase. Overall unemployment rates for white and black workers returned to their December levels of 7.7 and 17.3 percent, respectively. There was also increased joblessness among white-collar and part-time workers. Unemployment rates for most other worker groups, including adult men, teenagers (22.3 percent), Hispanics (12.6 percent), blue-collar workers (12.5 percent), and workers in the construction (18.1 percent) and manufacturing industries (10.6 percent) showed little or no change. (See tables A-33, A-35, and A-36.)

The February rise in unemployment reflected an increase in the number of persons who left their last job and those who returned to the labor force after a period of absence. The number of workers on layoff fell for the second consecutive month but remained half a million above the July level. (See table A-39.) Workers who have been unemployed for 3 months or more increased in number in February, and the average (mean) duration

of joblessness lengthened to 14.1 weeks. (See table A-37.)

The number of persons working part time for economic reasons (sometimes referred to as the "partially unemployed") rose by nearly half a million over the month to a record 5.6 million. Nearly all of the increase was attributable to persons who usually work full time. (See table A-42.)

Total employment and the labor force

Total employment was at the 99.6 million level for the third consecutive month, after declining by 1.3 million between July and December. Virtually all of this drop took place among adult men and teenagers. The employment-population ratio (the percentage of the population employed) continued to edge down and in February was 57.3 percent; the percentage has declined 1.2 percentage points since last July to its lowest level in 4½ years.

The civilian labor force returned to the December level of 109.2 million and was up by only 1.3 million over the year. Adult women comprised the bulk of this gain. (See table A-33.)

Industry payroll employment

Total nonagricultural payroll employment was about unchanged in February at 90.9 million, seasonally adjusted, following 4 months of decline. Employment losses continued to occur in many industries, however, as over-the-month job gains were registered in less than half of the 172 industries comprising the BLS diffusion index of nonagricultural payroll employment. (See tables B-4 and B-7.)

Manufacturing employment fell by about 45,000 in February; this contrasts with declines of more than 200,000 in each of the previous 4 months. The February drop was evenly divided between the durable and nondurable goods industries. Among durables, small declines continued the employment downtrend in most industries, including machinery, primary metals, and fabricated metals, while employment rose slightly in transportation equipment. Transportation equipment jobs had dropped by 185,000 between September and January. In nondurable goods, the largest decrease occurred in rubber and plastics.

Elsewhere in the goods-producing sector, construction employment, which had been severely depressed in January because of especially bad weather conditions, rose by about 80,000 in February. This increase, however, was not large enough to erase the January decline, and construction employment was down by about 45,000 over the 2-month period. Mining jobs edged down for the second month in a row.

In the service-producing sector, retail trade rose in February by about 60,000, following an even larger increase in the previous month; however, these advances may be related to lighter than usual pre-Christmas hiring, and hence the post-Christmas reduction in jobs was less than seasonally expected. Since October, employment in retail trade was up by a modest 25,000. After pausing in January, the services industry job count resumed its upward course, rising by about 55,000 in February. Employment in government—which has been losing jobs over the past year—decreased by about 40,000 over the month, with reductions occurring at both the Federal and the State and local levels.

Hours of work

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls rose by seven-tenths of an hour in February, following a weather-related decline of the same magnitude in January. The manufacturing workweek, at 39.1 hours, was up 0.1 hour over the 2-month period, as a 1.8-hour February increase slightly exceeded the January drop. Factory overtime held steady in February at 2.3 hours. (See table C-6.)

Reflecting principally the over-the-month increase in the length of the workweek, the index of aggregate weekly hours of production or nonsupervisory workers on private nonfarm payrolls rose by 2.3 percent in February to 106.5 (1977 = 100), while the manufacturing index was up by 4.8 percent. Both indexes remained below their December levels. (See table C-7.) Since July, the overall index has dropped by 2.7 percent and the factory index has fallen by 9.1 percent.

Hourly and weekly earnings

Average hourly earnings edged up 0.1 percent in February, while average weekly earnings rose 2.2 percent, seasonally adjusted. Before adjustment for seasonality, average hourly earnings were down 1 cent in February to \$7.54, 48 cents above the year-earlier level. Average weekly earnings, at \$260.88, rose \$5.69 over the month and \$13.78 over the year. (See tables C-1 and C-8.)

The Hourly Earnings Index

The Hourly Earnings Index (HEI) was 145.1 (1977 = 100) in February, seasonally adjusted, 0.1 percent higher than in January. For the 12 months ended in February, the increase (before seasonal adjustment) was 7.5 percent. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in overtime in manufacturing and interindustry employment shifts. In dollars of constant purchasing power, the HEI increased 0.2 percent during the 12-month period ended in January. (See table C-8.)

Comparison of Nonagricultural Employment Estimates from Two Surveys

Gloria Peterson Green and John Stinson, Jr.

Over 96 percent of the 100.4 million working Americans in 1981 held jobs in the nonagricultural sector of the economy. Statistics on the number of these workers and growth in their employment are vital in assessing current labor market trends and in appraising the overall performance of the economy. Each month, the Bureau of Labor Statistics analyzes and publishes two independently derived estimates of nonagricultural employment, based on data derived from the Current Population Survey (household survey) and the Current Employment Survey (establishment survey). Data from the household survey are obtained from a sample of about 60,000 households and measure the *work status of individuals*, whereas data from the establishment survey are derived from payroll records of approximately 166,000 establishments employing about 35 million workers and are essentially a count of *occupied jobs*.

The levels of the employment estimates from the two surveys differ significantly, but their long-term movements have been strikingly similar. For example, over the 1975-81 period, employment from each series increased by 14.6 million. Differences occur, however, with respect to the magnitude and direction of month-to-month changes, the timing and extent of swings in the business cycle, and other short-run trends. At least some of these differences arise because the series measure somewhat different phenomena—employed individuals versus occupied jobs. Although conceptual differences between the series can be reconciled or explained in part and a number of the differences in scope can be adjusted, the discrepancies which result from differences in sampling techniques, collection, and estimation methodology cannot be readily quantified in terms of their effect on the level or movements of the two series.

This article continues the Bureau's annual practice of providing an analysis of quantifiable differences between the series and a discussion of some major unmeasurable causes of discrepancies between them.¹

Concepts and coverage

The household survey, although based on a smaller sample, is more comprehensive than the establishment survey in that it covers all wage and salary workers 16

years and over, including private household workers, as well as self-employed and unpaid family workers. The household survey also includes persons who were "with a job but not at work" during the survey week, as a result of such factors as bad weather, illness, vacation, industrial disputes, or various personal reasons, whether or not they were paid for their time off.

In contrast, the establishment survey covers only *paid* wage and salary employees, excludes private household workers, and has no age limitation. Furthermore, employees who appear on more than one payroll are counted separately for each appearance. Such persons are counted only once in the household survey, in the job at which they worked the greatest number of hours.

Quantifiable differences

Table 1 reconciles, to the extent possible, the annual average levels of nonagricultural employment from the two surveys for 1975-81. The household series shown have been revised to reflect population controls from the 1980 census. The reconciliation technique involves a number of adjustments to the household survey estimate of total nonagricultural employment in order to bring it into as close conformity as possible with the concept of nonagricultural employment in the establishment survey. Thus, estimates for the following groups are *subtracted* from the household series—self-employed workers, unpaid family workers, private household workers, and workers on unpaid absences

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¹ Prior analyses of the quantifiable differences between the two series have appeared in the March issues of this publication since 1978. For discussions of the conceptual and definitional differences between the two surveys, as well as long-term trends in their movements, see Gloria P. Green, "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969, pp. 9-20, and Christopher G. Gellner, "A 25-Year Look at Employment as Measured by Two Surveys" *Monthly Labor Review*, July 1973, pp. 14-23. Additional information appears in Joseph R. Antos, Anthony J. Barkume, J. Wilson Mixon, and Jack R. Triplett, "Why Employment Estimates Differ: A Study of Discrepancies Between BLS Household and Payroll Estimates," BLS Working Paper No. 65, October 1976, and Alexander Korns, "Cyclical Fluctuations in the Difference Between the Payroll and Household Measures of Employment," and "The Difference Between the Payroll and Household Measures of Employment, 1975-79," in the May and December 1979 issues, respectively, of the *Survey of Current Business*, Bureau of Economic Analysis, U.S. Department of Commerce.

Table 1. Reconciliation of nonagricultural employment estimates from the household and establishment surveys, annual averages, 1975-81

(In thousands)

Item	1975	1976	1977	1978
Payroll series, as published	<u>76,945</u>	<u>79,382</u>	<u>82,471</u>	<u>86,697</u>
Household series, as published	<u>82,438</u>	<u>85,421</u>	<u>88,734</u>	<u>92,661</u>
Less:				
Self-employed workers	5,705	5,783	6,114	6,429
Unpaid family workers	483	464	498	479
Private household workers	1,362	1,374	1,395	1,384
Unpaid absentees	2,034	2,159	2,171	2,183
Equals:				
Nonagricultural wage and salary workers less private household workers and unpaid absentees	72,854	75,641	78,556	82,186
Plus:				
14-and 15-year-olds	609	595	677	709
Agricultural service workers	268	305	305	325
Equals:				
Household series adjusted by above factors	<u>73,731</u>	<u>76,541</u>	<u>79,538</u>	<u>83,220</u>
Difference:				
Payroll series less adjusted household series ¹	3,214	2,841	2,933	3,477
	1979	1980	1981	Change 1980-81
Payroll series, as published	<u>89,823</u>	<u>90,564</u>	<u>91,543</u>	<u>979</u>
Household series, as published	<u>95,477</u>	<u>95,938</u>	<u>97,030</u>	<u>1,092</u>
Less:				
Self-employed workers	6,791	7,000	7,097	97
Unpaid family workers	463	413	390	-23
Private household workers	1,264	1,192	1,208	16
Unpaid absentees	2,243	2,233	2,141	-92
Equals:				
Nonagricultural wage and salary workers less private household workers and unpaid absentees	84,716	85,100	86,194	1,094
Plus:				
14-and 15-year-olds	707	611	535	-76
Agricultural service workers	367	380	385	5
Equals:				
Household series adjusted by above factors	<u>85,790</u>	<u>86,091</u>	<u>87,114</u>	<u>1,023</u>
Difference:				
Payroll series less adjusted household series ¹	4,033	4,473	4,429	-44

¹ As discussed more fully in the text, there are several factors accounting for the remaining difference. One of the largest stems from multiple jobholding in the payroll series. Some idea of the size of this factor can be obtained from supplements to the household survey conducted in May. The estimated number of persons holding a second nonagricultural wage and salary job ranged from 2.5 million in 1975 to 3.0 million in 1980, the latest data available.

NOTE: Household survey estimates have been revised to reflect 1980 census population controls. Moreover, comparisons of 1978 household survey data with data for prior years are affected by the introduction of an expansion in the sample and revisions in the estimation procedure introduced in January 1978. As a result, total nonagricultural employment was raised by about 120,000.

from their jobs during the reference week. Similarly, estimates of the number of employed 14- and 15-year-olds in nonagricultural wage and salary jobs (excluding private households) and workers in agricultural services² are added to the household series.

After these adjustments were made to take account of the measurable differences in concepts and coverage, the establishment survey estimates exceeded those of the household survey by amounts ranging from 2.8 million in 1976 to 4.5 million in 1980. The 1981 difference was 4.4 million. As explained in detail below, these differences would have been considerably larger without the introduction of the higher population levels from

the 1980 census into the household survey estimation procedures. (See table 2.)

The remaining differences stem primarily from multiple job counting in the payroll survey, population undercount in both the decennial census and the household survey itself, and a number of other factors which cannot be quantified with any degree of certainty.

² Agricultural services workers are classified in agricultural industries in the household survey; in the establishment survey, they are a subcategory of the services industry. Coverage is limited to those subgroups which are largely nonagricultural in nature, such as veterinary, animal, landscape, and horticultural services. With respect to the age adjustment, data on persons under 14 who may be employed in nonagricultural industries are not collected in the household survey.

Additionally, both surveys are affected by sampling errors of various kinds.

Table 2. Comparison of the differences between the payroll series and the adjusted household series using 1970 and 1980 census-based population controls, 1975-81 annual averages.

(In thousands)

Year	Differences between the payroll and the adjusted household series		Change
	1970 base	1980 base	
1975	4,140	3,214	926
1976	3,945	2,841	1,104
1977	4,217	2,933	1,284
1978	4,940	3,477	1,463
1979	5,674	4,033	1,641
1980	6,247	4,473	1,774
1981	6,248	4,429	1,820

Sources of unquantifiable differences

Multiple counting of workers in the establishment survey stems principally from workers holding two or more jobs at the same time but also results from workers leaving one job and obtaining another one during the same reference period and thus appearing on the payroll records of more than one employer. Additionally, multiple counting may result when a worker is continued on a payroll while being compensated for earned vacation time, even though he or she has left the job. It is virtually impossible to determine the extent of multiple jobholding in the establishment survey without an independent verification, i.e. matching of payroll records and social security numbers. The multiple jobholding phenomenon has been measured to some degree in the household survey through special supplementary surveys that have been conducted annually each May. The number of persons 16 years and over who held second jobs as nonagricultural wage and salary workers ranged from 2.5 million in May 1975 to 3.0 million in May 1980, the most recent date for which comparable data were available.³ Eliminating this and other types of dual counting, would, of course, substantially reduce the differential between the two series.

Also, there are several groups of workers who are outside the scope of the household survey but are counted on establishment payrolls. These include military personnel who also hold civilian jobs, institutionalized individuals working on payroll jobs in or outside the institution, and foreign workers (such as residents of Canada or Mexico) who commute to jobs in the United States. Adjustments for these unquantifiable differences would further reduce the differences between the two series.

With respect to the population undercount, the decennial population censuses provide the basis for pro-

jection of current estimates of the population, which, in turn, serve as monthly controls for the household survey sample. From January 1972 through December 1981, the household survey had used population controls projected forward based on the 1970 decennial census. Because there was an estimated 2.5 percent undercount in the 1970 census, the household survey employment data were understated. This contributed to the large discrepancy between the household and payroll survey employment estimates, although there was no way of directly relating the overall population undercount to the estimate of nonagricultural wage and salary workers.⁴

The 1980 census undoubtedly missed a certain percentage of the population. Although the extent of this undercount has not yet been estimated by Census Bureau statisticians, an initial evaluation indicated that the degree of undercounting in the 1980 census may have been somewhat less than in prior censuses. At the same time, the 1980 census also found many illegal aliens who entered during the 1970's and had not been included in the intercensal estimates of the population. The combination of these factors resulted in some 4.7 million *more* persons being enumerated on April 1, 1980 than had been expected, based on an updating of the population from the 1970 census date. As a consequence, when the new population controls based on the 1980 census were introduced into the household survey estimation procedures in January 1982, total nonagricultural employment was raised considerably. For example, the annual average increase for 1981 was 2.0 million. In order to maintain the historical comparability and continuity of major estimates, household survey data have been revised back to 1970.⁵

The upward revision in the household survey employment estimates had the effect of considerably reducing the gap between the household and payroll employment series. Table 2 quantifies this reduction by comparing the differences in the payroll series and the household series (as adjusted to the payroll survey concept) using data based on both the 1970 and 1980 census population controls. Because the adjustment was wedged back to 1970, the gap between the two series was reduced by the largest amount in 1981—over 1.8 million—and it was about half that in 1975.

Sampling variability

Statistics derived from the household and establishment surveys are subject to sampling error; that is,

³ As a result of budget cutbacks, the sample size of the May 1981 supplement was reduced by three-fourths, and the supplement will be discontinued altogether in May 1982.

⁴ "Coverage of Population in the 1970 Census and Some Implications for Public Programs," *Current Population Reports*, Series P-23, No. 56 (Bureau of the Census, 1975).

⁵ For a more complete discussion of the new population controls and the revisions in the household survey data, see Kenneth D. Buckley, Jennifer Marks, and Ronald J. Statt, "Revisions in the Current Population Survey Beginning in January 1982," *Employment and Earnings*, February 1982, pp. 7-15.

estimates of the number of employed persons and other measures provided from these surveys may differ from the figures that would be obtained if a complete census were taken using the same schedules, instructions, and enumerators. In the household survey, the amount of the differences arising from sampling can be expressed in terms of standard error. The chances are 68 out of 100 that an estimate will differ by no more than one standard error from the results of a complete census; the chances are 90 out of 100 that an estimate based on the sample will differ from the results of a complete census by no more than 1.6 times the standard error. At this 90-percent level of confidence—the limits used by the BLS in its analyses—the monthly sampling error for the household survey estimate of nonagricultural wage and salary employment is on the order of plus or minus 390,000. (On an annual average basis, the error is about 260,000.) As in any sample survey, the results are also subject to errors of nonsampling, response, reporting, processing, and coverage.

In the establishment survey, sampling and response errors may accumulate over several months, because the estimating procedure employs the previous month's

estimate as the base in computing the current month's level (link-relative technique). Moreover, estimates for the 2 most current months are based on incomplete returns and are revised when all of the returns in the sample are received. To remove any errors that accumulate over time, the employment estimates are adjusted annually to new benchmarks (comprehensive counts of employment). In addition to increasing the reliability of the sample estimates, the benchmark revisions adjust the estimates for intervening changes in industrial classification and the formation of new establishments. Employment estimates are currently projected from March 1980 benchmark levels, which were introduced in the July 1981 issue of this publication.* Approximations of the standard errors for the household survey data and measures of the reliability of the establishment survey data and the actual amounts of revisions due to benchmark adjustments are provided in the Explanatory Notes of this publication.

* See Carol M. Utter and John B. Farrell, "BLS Establishment Estimates Revised to March 1980 Benchmarks," *Employment and Earnings*, July 1981, pp. 7-26.

Labor Turnover Survey Discontinued

*Carol M. Utter

With the publication of national data for the month of December and annual averages for 1981 in this issue of *Employment and Earnings*, the Bureau of Labor Statistics is discontinuing publication of monthly labor turnover survey data. The elimination of the labor turnover survey was caused by the severe budget constraints under which the Bureau is operating.

The labor turnover survey has been conducted by BLS continuously since 1929. State agencies have cooperated with BLS in collecting and disseminating State and major labor market area data since the mid-1950's.

Uses of labor turnover data

The original purpose of the survey was to provide personnel managers with national figures on labor turnover rates for manufacturing industries against which they could measure the experience of their own plants. In recent years, the major use of the labor turnover rates has been as an economic indicator series. The layoff rate, one of 6 published labor turnover rates, was the most widely used. The layoff rate, which signals changes in the economy several months before cyclical turning points, was included by the Bureau of Economic Analysis as 1 of the 12 components of its Composite Index of Leading Indicators.

The labor turnover rates were also widely used by State employment security agencies to plan and appraise their operations. For example, the State employment security agencies compared the number of employees placed through their services with the total number of new hires reported by employers within the labor market served by a particular local employment service office. Thus, the number of job placements by each local office could be measured relative to the potential for placement in the local job market.

Shortcomings of the data

The limited scope of the turnover data—covering manufacturing, mining, and telephone communications only—has been considered a major shortcoming of the

survey, particularly during the past 20 years when the service sector has provided most of the growth in the economy. The lack of data by occupation has also been considered a problem by many users, and has limited the usefulness of the series to assist in the development of occupational training programs.

Alternative sources

Alternative sources of labor turnover information have been developed by the Employment and Training Administration of the Department of Labor through the operations of State unemployment insurance systems. Several private organizations also collect and disseminate labor turnover information. The most important of these are the Bureau of National Affairs, which has been conducting a quarterly labor turnover survey since 1974, and the Administrative Management Society, which has been conducting a biennial survey on separations by office employees since 1969.

More detailed information regarding the Bureau's discontinued labor turnover survey and alternative sources of labor turnover information will appear in an article to be published in the May 1982 issue of the *Monthly Labor Review*.

Historical data

Historical data on the BLS national labor turnover series will be maintained in the BLS data base and will be provided to users who request all or part of the file. The data can be provided as listings or on tape. The Bureau does not maintain a data base for any of the State and area series which were previously published in table D-4 of *Employment and Earnings*, but some of the State agencies which have cooperated in the survey may be able to provide these data to interested users. Addresses for the State agencies can be found on the inside back cover.

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HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Annual averages										
1947.....	103,418	60,941	59.9	59,350	57,038	7,390	49,143	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	59,521	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.5	61,286	57,551	7,653	49,993	3,537	5.9	42,703
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,753	3,288	5.3	42,737
1951.....	107,721	65,117	60.4	62,017	59,961	6,725	53,235	2,355	3.3	42,604
1952.....	109,823	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	63,315	61,179	6,263	54,919	1,934	2.9	44,041
1954.....	111,671	66,993	60.0	63,543	60,109	6,205	53,904	3,532	5.5	44,679
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,650
1956.....	113,811	69,409	61.0	65,552	63,799	6,283	57,514	2,750	4.1	44,432
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	59,123	2,859	4.3	45,335
1958.....	115,363	70,275	60.4	67,639	63,036	5,585	57,450	4,502	5.9	46,038
1959.....	117,881	70,921	60.2	68,369	64,530	5,565	59,055	3,740	5.5	45,950
1960.....	119,759	72,142	60.2	69,528	65,778	5,458	60,319	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	5.7	49,312
1962.....	122,981	73,442	59.7	70,514	65,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.5	71,833	67,762	4,697	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.5	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	66,725	3,366	4.5	52,053
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	69,915	2,875	3.8	52,289
1967.....	133,319	80,793	60.5	77,347	74,372	3,844	70,527	2,375	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	3,526	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,679	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972.....	146,574	89,484	61.1	87,034	82,153	3,494	79,559	4,882	5.5	57,091
1973.....	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.3	91,349	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	88,846	3,408	85,439	7,929	7.5	59,377
1976.....	158,294	98,302	62.1	96,158	90,752	3,331	85,421	7,406	8.7	59,991
1977.....	161,156	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978 ¹	164,027	104,368	63.6	102,251	95,048	3,387	92,661	6,202	5.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	159,848	109,042	64.2	106,940	99,303	3,364	95,939	7,537	7.1	60,835
1981.....	172,272	110,812	64.3	109,670	100,397	3,369	97,030	8,273	7.6	61,450
Monthly data, seasonally adjusted ²										
1981:										
February.....	171,400	110,155	64.3	108,034	100,059	3,346	95,723	7,965	7.4	61,246
March.....	171,581	110,492	64.4	109,364	100,406	3,343	97,053	7,958	7.3	61,099
April.....	171,770	110,906	64.6	108,777	100,878	3,470	97,409	7,899	7.3	60,854
May.....	171,956	111,420	64.8	109,293	101,045	3,405	97,640	8,249	7.5	60,535
June.....	172,172	110,565	64.2	109,434	100,430	3,348	97,032	8,004	7.4	61,638
July.....	172,385	110,827	64.3	108,588	100,854	3,342	97,522	7,824	7.2	61,559
August.....	172,559	110,978	64.3	109,818	100,840	3,404	97,436	7,978	7.3	61,581
September.....	172,758	110,659	64.1	109,494	100,258	3,358	95,900	8,236	7.6	62,039
October.....	172,966	111,170	64.3	109,012	100,343	3,373	95,955	8,559	8.0	61,797
November.....	173,155	111,430	64.4	109,272	100,172	3,372	95,800	9,100	8.3	61,724
December.....	173,330	111,348	64.2	109,184	99,613	3,209	96,404	9,571	8.8	61,932
1982:										
January.....	173,495	111,038	64.0	109,379	99,581	3,411	95,170	9,298	8.5	62,455
February.....	173,657	111,333	64.1	109,165	99,590	3,373	96,217	9,575	8.8	62,324

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: Beginning with data for January 1982, population counts derived from the 1980 census have been incorporated into the estimation procedures used in the Current Population Survey. All data for 1981 have been revised based on the new census population counts, and adjustments have been made in the major data series for 1980 back to 1970. Seasonally adjusted data have been revised back to 1970, based on the application of new seasonal adjustment factors which incorporate data through December 1981. For additional information, see "Revision in the Current Population Survey Beginning in January 1982" and "Revision of Seasonally Adjusted Labor Force Series" in the February 1982 issue of this publication.

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- culture	Nonagri- cultural indus- tries	Number	Percent of labor force	
MALES										
Annual averages										
1972 ¹	70,241	55,961	79.7	53,555	50,896	2,343	43,347	2,659	5.0	14,231
1973 ¹	71,567	56,900	79.5	54,524	52,349	2,847	43,502	2,275	4.2	14,667
1974	72,971	57,902	79.3	55,739	53,024	2,913	50,105	2,714	4.9	15,069
1975	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,336	7.1	16,585
1977	77,211	60,414	78.2	58,396	54,728	2,571	52,057	3,667	5.3	16,797
1978 ¹	78,569	61,613	78.4	59,620	56,479	2,713	53,761	3,142	5.3	16,956
1979	79,963	62,676	78.4	60,726	57,607	2,595	54,921	3,120	5.1	17,293
1980	81,341	63,396	77.9	61,453	57,186	2,733	54,477	4,257	5.9	17,945
1981	82,476	63,939	77.5	61,974	57,397	2,733	54,697	4,577	7.4	18,537
Monthly data, seasonally adjusted ²										
1981:										
February ..	82,062	63,700	77.5	61,750	57,331	2,551	54,680	4,419	7.2	18,362
March	82,147	63,860	77.7	61,936	57,531	2,663	54,868	4,375	7.1	18,287
April	82,236	64,047	77.3	62,092	57,792	2,739	55,032	4,300	5.9	18,133
May	82,324	64,317	78.1	62,364	57,793	2,728	55,065	4,571	7.3	18,007
June	82,428	63,647	77.2	61,694	57,279	2,734	54,575	4,415	7.2	18,791
July	82,529	63,771	77.3	61,311	57,640	2,695	54,944	4,171	6.7	18,753
August	82,613	63,916	77.4	61,936	57,551	2,738	54,813	4,385	7.1	18,697
September ..	82,707	63,960	77.3	61,977	57,471	2,697	54,784	4,506	7.3	18,747
October	82,807	64,040	77.3	62,364	57,266	2,715	54,551	4,798	7.7	18,767
November ..	82,895	64,158	77.4	62,184	57,351	2,668	54,383	5,133	8.3	18,737
December ..	82,978	64,283	77.5	62,303	56,725	2,593	54,135	5,578	9.0	18,696
1982:										
January	83,054	63,941	77.0	61,956	56,629	2,598	53,931	5,338	8.6	19,113
February	83,129	64,025	77.0	62,342	56,658	2,693	53,965	5,384	8.7	19,134
FEMALES										
Annual averages										
1972 ¹	75,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,030
1974	79,379	36,278	45.7	35,211	33,769	595	33,173	2,441	6.7	43,131
1975	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976	82,496	39,089	47.4	38,983	35,615	598	35,027	3,369	9.6	43,436
1977	83,955	40,726	48.5	40,613	37,289	612	35,677	3,324	8.2	43,227
1978 ¹	85,452	42,755	50.0	42,631	39,569	669	39,900	3,261	7.2	42,733
1979	85,983	44,375	51.0	44,235	41,217	661	40,556	3,318	5.8	42,693
1980	83,507	45,646	51.5	45,487	42,117	655	41,461	3,370	7.4	42,861
1981	83,796	46,873	52.2	46,596	43,000	657	42,333	3,696	7.9	42,922
Monthly data, seasonally adjusted ²										
1981:										
February ..	89,333	46,454	52.0	45,294	42,738	635	42,043	3,546	7.7	42,833
March	89,434	46,632	52.1	45,458	42,875	680	42,195	3,583	7.7	42,832
April	89,535	46,859	52.3	45,635	43,086	680	42,405	3,599	7.7	42,675
May	89,632	47,103	52.6	45,929	43,252	677	42,575	3,677	7.8	42,529
June	89,744	46,918	52.3	46,740	43,151	644	42,507	3,589	7.7	42,827
July	89,856	47,056	52.4	46,877	43,224	646	42,578	3,653	7.8	42,830
August	89,946	47,062	52.3	45,892	43,289	666	42,623	3,593	7.7	42,884
September ..	90,051	46,699	51.9	46,517	42,787	571	42,116	3,730	8.0	43,352
October	90,159	47,129	52.3	46,948	43,077	563	42,414	3,871	8.2	43,030
November ..	90,259	47,272	52.4	47,388	43,121	704	42,417	3,967	8.4	42,997
December ..	90,352	47,066	52.1	45,881	42,888	519	42,269	3,993	8.5	43,286
1982:										
January	90,441	47,097	52.1	45,913	42,952	713	42,239	3,960	8.4	43,343
February	90,528	47,308	52.3	47,123	42,932	680	42,251	4,191	8.9	43,223

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: See note table A-1.

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, and race	February 1932										
	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	63,436	76.3	61,453	55,259	6,184	10.1	19,593	372	5,153	1,454	12,714
16 to 21 years	7,907	62.5	7,251	5,556	1,695	23.4	4,715	17	4,246	33	429
16 to 19 years	4,411	53.5	4,125	3,049	1,076	25.1	3,312	15	3,515	7	273
16 to 17 years	1,607	40.2	1,587	1,157	430	27.1	2,387	10	2,263	2	112
18 to 19 years	2,804	66.3	2,538	1,891	647	25.5	1,425	6	1,253	5	161
20 to 64 years	57,226	88.5	55,529	50,482	5,048	9.1	7,388	176	1,634	1,054	4,513
20 to 24 years	9,210	84.5	8,462	6,956	1,496	17.7	1,699	10	1,234	58	397
25 to 54 years	40,931	94.0	39,982	36,842	3,141	7.9	2,593	98	391	533	1,571
25 to 29 years	9,518	94.1	9,143	8,051	1,083	11.9	601	19	241	57	284
30 to 34 years	8,803	95.8	8,539	7,826	712	8.3	389	11	84	56	229
35 to 39 years	7,128	95.9	6,943	6,449	494	7.1	303	18	25	78	192
40 to 44 years	5,671	94.5	5,584	5,274	311	5.6	325	19	21	99	197
45 to 49 years	4,936	92.4	4,907	4,623	284	5.8	405	18	16	95	276
50 to 54 years	4,874	89.5	4,867	4,509	257	5.3	570	13	5	148	405
55 to 64 years	7,087	69.5	7,085	6,574	411	5.8	3,106	67	10	474	2,555
55 to 59 years	4,401	81.4	4,400	4,128	272	5.2	1,000	32	5	249	717
60 to 64 years	2,685	56.1	2,685	2,546	139	5.2	2,104	36	5	224	1,839
65 years and over	1,799	17.5	1,799	1,739	60	3.3	8,493	180	3	392	7,929
65 to 69 years	1,018	26.1	1,013	984	34	3.3	2,938	34	2	129	2,725
70 years and over	781	12.2	781	755	26	3.3	5,504	147	--	254	5,200
White											
16 years and over	55,864	77.1	54,339	49,432	4,933	9.1	16,599	298	4,085	1,143	11,075
16 to 21 years	6,842	64.9	6,342	4,998	1,344	21.2	3,704	9	3,402	20	273
16 to 19 years	3,872	56.4	3,647	2,778	870	23.8	2,988	8	2,789	3	197
16 to 17 years	1,472	44.0	1,455	1,388	368	25.3	1,376	4	1,791	2	79
18 to 19 years	2,399	68.3	2,192	1,690	502	22.9	1,112	4	998	1	109
20 to 64 years	50,366	89.4	49,366	45,035	4,031	3.2	5,960	134	1,293	929	3,704
20 to 24 years	7,894	85.5	7,344	6,187	1,157	15.7	1,326	5	1,019	40	261
25 to 54 years	36,031	95.0	35,283	32,768	2,515	7.1	1,904	75	270	412	1,147
25 to 29 years	15,960	95.8	15,469	14,054	1,416	9.2	701	25	235	98	352
30 to 34 years	11,322	96.2	11,096	10,446	650	5.9	443	26	22	127	258
35 to 44 years	8,749	92.0	8,717	8,268	449	5.2	760	22	13	197	528
55 to 64 years	6,441	70.2	6,440	6,031	359	5.6	2,730	54	4	377	2,295
55 to 59 years	3,994	82.4	3,993	3,752	241	6.0	854	24	4	199	627
60 to 64 years	2,447	56.5	2,447	2,329	118	4.8	1,877	30	--	177	1,659
65 years and over	1,626	17.5	1,525	1,589	37	2.3	7,651	155	3	309	7,184
Black and other											
16 years and over	7,572	71.0	7,114	5,858	1,246	17.5	3,095	74	1,069	313	1,633
16 to 21 years	1,064	51.3	909	557	352	38.7	1,011	8	843	13	147
16 to 19 years	539	39.5	477	271	206	43.2	824	8	727	4	85
16 to 17 years	135	20.9	132	70	62	47.0	511	6	472	--	33
18 to 19 years	404	56.3	345	201	145	41.8	313	2	255	4	52
20 to 64 years	6,860	82.8	6,463	5,446	1,017	15.7	1,428	42	341	235	809
20 to 24 years	1,315	78.3	1,119	779	340	30.4	363	5	215	18	126
25 to 54 years	4,900	87.7	4,699	4,074	625	13.3	639	23	120	121	424
25 to 29 years	2,362	89.1	2,212	1,833	379	17.1	289	4	89	36	150
30 to 34 years	1,477	88.9	1,431	1,277	154	10.8	185	11	24	40	111
35 to 44 years	1,061	83.2	1,056	964	92	8.7	214	9	7	46	153
55 to 64 years	645	63.2	645	593	52	3.1	376	13	6	97	260
55 to 59 years	407	73.2	407	376	31	7.7	149	3	2	50	90
60 to 64 years	238	51.2	233	217	21	3.8	227	6	4	47	170
65 years and over	173	17.1	173	151	23	13.1	842	24	--	74	744

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

[Numbers in thousands]

Sex, age, and race	February 1992										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	47,056	52.3	46,871	42,577	4,194	3.9	43,472	31,398	4,953	1,228	5,593
16 to 21 years	6,533	53.3	6,463	5,227	1,236	19.1	5,793	1,303	4,123	16	351
16 to 19 years	3,760	47.3	3,731	2,889	842	22.6	4,245	594	3,389	4	259
16 to 17 years	1,409	36.4	1,407	1,088	319	22.7	2,467	130	2,234	--	103
18 to 19 years	2,351	56.3	2,324	1,800	524	22.5	1,778	463	1,154	4	156
20 to 64 years	42,162	62.3	42,005	38,686	3,320	7.9	25,471	21,170	1,570	477	2,235
20 to 24 years	7,383	68.3	7,294	6,376	919	12.6	3,424	2,087	1,060	26	252
25 to 54 years	29,982	66.4	29,315	27,756	2,149	7.2	15,130	13,382	892	242	1,064
25 to 29 years	7,040	68.7	6,995	5,365	630	9.3	3,210	2,760	214	24	212
30 to 34 years	6,309	67.1	6,293	5,837	456	7.2	3,093	2,780	122	26	155
35 to 39 years	5,200	67.7	5,196	4,827	359	7.1	2,477	2,219	76	29	153
40 to 44 years	4,341	69.3	4,340	4,354	286	5.6	1,923	1,719	37	32	135
45 to 49 years	3,653	64.5	3,653	3,443	210	5.7	2,006	1,742	23	51	193
50 to 54 years	3,439	58.2	3,438	3,241	198	5.7	2,470	2,162	19	81	208
55 to 64 years	4,797	41.1	4,797	4,544	253	5.3	6,867	5,702	17	209	938
55 to 59 years	2,956	48.7	2,955	2,804	152	5.1	3,118	2,563	12	90	353
60 to 64 years	1,841	32.9	1,841	1,740	101	5.5	3,749	3,039	5	119	586
65 years and over	1,134	7.5	1,134	1,122	32	2.8	13,756	13,135	5	547	3,089
65 to 69 years	694	14.2	694	672	22	3.1	4,196	3,255	5	119	817
70 years and over	440	4.4	440	430	10	2.3	9,560	6,879	--	428	2,252
White											
16 years and over	40,408	51.8	40,276	37,091	3,186	7.9	37,541	28,228	3,867	937	4,738
16 to 21 years	5,709	55.9	5,661	4,698	963	17.0	4,501	1,330	3,229	8	234
16 to 19 years	3,313	50.2	3,293	2,630	663	20.1	3,288	479	2,643	4	155
16 to 17 years	1,271	39.3	1,270	995	275	21.6	1,920	111	1,735	--	74
18 to 19 years	2,042	59.9	2,023	1,634	388	19.2	1,358	368	905	4	31
20 to 64 years	36,078	62.2	35,967	33,473	2,493	5.9	21,896	18,482	1,222	379	1,814
20 to 24 years	6,371	70.5	6,309	5,640	659	10.6	2,659	1,635	823	17	185
25 to 54 years	25,484	66.1	25,435	23,827	1,608	5.3	13,091	11,580	384	135	832
25 to 29 years	11,235	67.7	11,191	10,433	788	7.0	5,349	4,768	253	46	282
30 to 34 years	8,092	67.7	8,088	7,597	491	6.1	3,953	3,486	91	56	229
35 to 44 years	6,157	61.3	6,155	5,826	330	5.4	3,379	3,426	39	93	321
55 to 64 years	4,223	40.7	4,223	4,007	216	5.1	6,147	5,168	15	157	797
55 to 59 years	2,585	48.2	2,584	2,454	131	5.1	2,779	2,396	12	73	298
60 to 64 years	1,638	32.7	1,638	1,553	85	5.2	3,368	2,771	3	94	500
65 years and over	1,017	7.6	1,017	988	30	2.9	12,457	9,267	5	455	2,729
Black and other											
16 years and over	6,648	53.3	6,595	5,586	1,008	15.3	5,831	3,570	1,096	190	875
16 to 21 years	824	38.9	802	529	273	34.0	1,291	273	893	8	117
16 to 19 years	447	31.3	433	259	179	40.9	957	115	749	--	94
16 to 17 years	137	20.1	137	93	44	32.0	547	19	599	--	29
18 to 19 years	309	43.3	301	166	135	44.9	411	96	249	--	55
20 to 64 years	6,085	63.3	6,040	5,212	827	13.7	3,575	2,589	347	98	441
20 to 24 years	1,012	56.9	986	736	249	25.3	766	452	237	9	68
25 to 54 years	4,498	68.3	4,483	3,940	543	12.1	2,390	1,703	108	47	232
25 to 29 years	2,113	68.9	2,096	1,799	298	14.2	954	772	83	4	95
30 to 34 years	1,449	72.9	1,448	1,284	165	11.4	538	452	22	4	59
35 to 44 years	935	61.0	935	857	78	8.3	597	479	3	39	77
55 to 64 years	575	44.4	575	537	37	6.5	719	534	2	42	141
55 to 59 years	371	52.3	371	350	21	5.7	338	266	--	16	55
60 to 64 years	203	34.8	203	187	16	8.0	381	267	2	25	85
65 years and over	116	8.2	115	115	2	1.5	1,299	867	--	92	343

HOUSEHOLD DATA

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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
MALES								
16 years and over	62,960	63,436	76.7	76.3	61,013	51,453	76.2	75.7
16 to 19 years	4,755	4,411	56.2	53.6	4,462	4,125	54.7	52.0
16 to 17 years	1,796	1,537	43.2	40.2	1,775	1,587	43.0	39.9
18 to 19 years	2,959	2,804	68.8	66.3	2,687	2,538	66.7	64.0
20 to 24 years	9,167	9,210	84.7	84.5	8,435	8,462	83.6	83.4
25 to 54 years	39,981	40,931	93.9	94.0	39,057	39,982	93.8	93.9
25 to 34 years	17,859	18,321	94.7	94.9	17,239	17,681	94.5	94.7
35 to 44 years	12,233	12,739	95.2	95.3	11,965	12,527	95.1	95.2
45 to 54 years	9,889	9,810	91.3	91.0	9,853	9,774	91.0	90.9
55 to 64 years	7,223	7,087	71.3	69.5	7,222	7,085	71.3	69.5
55 to 59 years	4,425	4,401	81.5	81.4	4,424	4,400	81.5	81.4
60 to 64 years	2,798	2,685	59.6	56.1	2,798	2,685	59.6	56.1
65 years and over	1,833	1,799	18.2	17.5	1,833	1,799	18.2	17.5
White								
16 years and over	55,573	55,864	77.6	77.1	54,068	54,339	77.1	76.6
16 to 19 years	4,190	3,872	59.5	56.4	3,967	3,647	58.2	55.0
16 to 17 years	1,628	1,472	47.2	44.0	1,611	1,455	46.9	43.7
18 to 19 years	2,562	2,399	71.3	68.3	2,356	2,192	69.6	66.3
20 to 24 years	7,904	7,394	86.3	85.6	7,362	7,344	85.4	84.7
25 to 54 years	35,228	36,031	94.8	95.0	34,489	35,283	94.7	94.9
25 to 34 years	15,602	15,960	95.6	95.8	15,117	15,469	95.5	95.7
35 to 44 years	10,780	11,322	96.1	96.2	10,557	11,096	96.0	96.2
45 to 54 years	8,846	8,749	92.0	92.0	8,815	8,717	92.0	92.0
55 to 64 years	6,596	6,441	72.3	70.2	6,595	6,440	72.3	70.2
55 to 59 years	4,035	3,994	82.7	82.4	4,034	3,993	82.6	82.4
60 to 64 years	2,561	2,447	60.4	56.6	2,561	2,447	60.4	56.6
65 years and over	1,655	1,626	18.1	17.5	1,655	1,626	18.1	17.5
Black and other								
16 years and over	7,387	7,572	70.6	71.0	6,942	7,114	69.2	69.7
16 to 19 years	565	539	40.0	39.5	495	477	36.9	36.7
16 to 17 years	168	135	23.9	20.9	164	132	23.5	20.5
18 to 19 years	397	404	56.0	56.3	331	346	51.5	52.5
20 to 24 years	1,263	1,315	76.0	78.3	1,073	1,119	72.9	75.5
25 to 54 years	4,753	4,930	87.5	87.7	4,568	4,699	87.2	87.2
25 to 34 years	2,257	2,352	88.8	89.1	2,122	2,212	88.2	88.4
35 to 44 years	1,453	1,477	88.9	88.9	1,439	1,431	88.9	88.5
45 to 54 years	1,043	1,051	83.3	83.2	1,039	1,056	83.2	83.1
55 to 64 years	627	645	62.7	63.2	627	645	62.7	63.2
55 to 59 years	390	407	71.1	73.2	390	407	71.1	73.2
60 to 64 years	237	238	52.5	51.2	237	238	52.5	51.2
65 years and over	179	173	18.3	17.1	179	173	18.3	17.1

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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
FEMALES								
16 years and over	46,176	47,055	51.7	52.0	45,035	45,871	51.6	51.9
16 to 19 years	3,962	3,750	48.1	47.0	3,932	3,731	47.9	46.8
16 to 17 years	1,542	1,439	38.3	35.4	1,541	1,407	38.2	35.3
18 to 19 years	2,420	2,351	57.6	56.9	2,391	2,324	57.3	56.6
20 to 24 years	7,371	7,383	68.5	68.3	7,289	7,294	68.3	68.1
25 to 54 years	28,895	29,982	65.3	65.4	28,837	29,915	65.3	66.3
25 to 34 years	12,758	13,349	66.4	67.9	12,734	13,288	66.3	67.8
35 to 44 years	8,912	9,542	66.7	68.4	8,907	9,535	66.7	68.4
45 to 54 years	7,225	7,092	61.9	61.3	7,224	7,091	61.9	61.3
55 to 64 years	4,794	4,797	41.4	41.1	4,794	4,797	41.4	41.1
55 to 59 years	2,990	2,956	49.0	48.7	2,990	2,956	49.0	48.7
60 to 64 years	1,804	1,841	33.0	32.9	1,804	1,841	33.0	32.9
65 years and over	1,154	1,134	7.9	7.6	1,154	1,134	7.9	7.6
White								
16 years and over	39,755	40,408	51.5	51.8	39,631	40,276	51.4	51.7
16 to 19 years	3,556	3,313	51.9	50.2	3,535	3,293	51.7	50.0
16 to 17 years	1,411	1,271	42.1	39.8	1,410	1,270	42.1	39.3
18 to 19 years	2,144	2,042	51.3	59.9	2,125	2,023	61.1	59.7
20 to 24 years	6,353	6,371	70.5	70.6	6,294	6,309	70.4	70.4
25 to 54 years	24,591	25,434	65.0	66.1	24,547	25,436	65.0	66.0
25 to 34 years	10,750	11,235	66.1	67.7	10,711	11,191	66.0	67.7
35 to 44 years	7,574	8,092	66.4	67.7	7,570	8,088	66.3	67.7
45 to 54 years	6,267	6,157	61.8	61.3	6,266	6,155	61.8	61.3
55 to 64 years	4,231	4,223	41.0	40.7	4,231	4,223	41.0	40.7
55 to 59 years	2,642	2,585	48.8	48.2	2,642	2,584	48.8	48.2
60 to 64 years	1,589	1,538	32.5	32.7	1,589	1,638	32.5	32.7
65 years and over	1,025	1,017	7.8	7.6	1,025	1,017	7.8	7.6
Black and other								
16 years and over	6,421	6,548	52.8	53.3	6,374	6,595	52.6	53.1
16 to 19 years	407	447	29.5	31.8	397	438	29.0	31.4
16 to 17 years	131	137	19.4	20.1	131	137	19.3	20.0
18 to 19 years	275	309	39.3	43.0	267	301	38.5	42.3
20 to 24 years	1,018	1,012	57.7	55.9	995	986	57.2	56.3
25 to 54 years	4,304	4,498	67.1	68.3	4,290	4,480	67.1	68.2
25 to 34 years	2,007	2,113	68.1	68.9	1,993	2,095	68.0	68.7
35 to 44 years	1,339	1,449	69.1	72.9	1,338	1,448	69.0	72.9
45 to 54 years	959	935	62.7	61.0	958	935	62.7	61.0
55 to 64 years	563	575	44.9	44.4	563	575	44.9	44.4
55 to 59 years	348	371	51.1	52.3	348	371	51.1	52.3
60 to 64 years	215	203	37.5	34.8	215	203	37.5	34.8
65 years and over	129	115	9.5	8.2	129	116	9.5	8.2

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

[Numbers in thousands]

Sex and age	February 1982						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL							
16 years and over	11,036	9,063	205	8,853	1,977	17.9	7,413
16 to 19 years	739	409	5	404	331	44.7	1,522
16 to 17 years	217	122	1	121	95	43.9	916
18 to 19 years	522	287	4	232	235	45.1	606
20 to 24 years	1,749	1,212	19	1,193	537	30.7	932
25 to 54 years	7,299	6,291	134	6,157	1,008	13.8	2,184
25 to 34 years	3,443	2,340	54	2,795	603	17.5	942
35 to 44 years	2,269	2,010	40	1,970	259	11.4	568
45 to 54 years	1,587	1,441	40	1,401	146	9.2	675
55 to 64 years	999	924	28	896	75	7.5	927
55 to 59 years	637	593	24	569	44	6.9	402
60 to 64 years	363	331	5	327	31	8.6	525
65 years and over	249	225	18	207	25	10.0	1,848
Males							
16 years and over	5,672	4,556	198	4,353	1,117	19.7	2,549
16 to 19 years	394	213	5	208	132	46.2	704
16 to 17 years	112	53	1	52	58	51.8	451
18 to 19 years	283	160	4	154	123	43.5	253
20 to 24 years	935	620	19	601	314	33.6	279
25 to 54 years	3,676	3,125	127	2,998	550	15.0	544
25 to 34 years	1,741	1,395	49	1,346	346	19.9	218
35 to 44 years	1,110	987	40	947	123	11.1	150
45 to 54 years	825	743	38	705	82	9.9	178
55 to 64 years	519	473	28	445	46	8.9	327
55 to 59 years	330	301	24	277	29	8.8	129
60 to 64 years	190	172	5	168	17	8.9	198
65 years and over	147	125	17	108	23	15.6	695
Females							
16 years and over	5,364	4,504	7	4,497	850	16.0	4,864
16 to 19 years	345	196	--	196	149	43.2	818
16 to 17 years	105	69	--	69	37	34.8	465
18 to 19 years	239	127	--	123	112	46.8	353
20 to 24 years	814	592	--	592	223	27.3	653
25 to 54 years	3,623	3,166	7	3,159	458	12.6	1,640
25 to 34 years	1,702	1,445	5	1,440	257	15.1	724
35 to 44 years	1,159	1,023	--	1,023	136	11.8	418
45 to 54 years	762	693	2	695	64	8.4	497
55 to 64 years	480	451	--	451	29	6.0	600
55 to 59 years	307	292	--	292	15	4.9	273
60 to 64 years	173	159	--	159	14	8.1	327
65 years and over	102	103	1	99	2	1.9	1,153

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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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
TOTAL								
Total noninstitutional population	171,400	173,657	73,607	74,905	81,107	82,523	15,686	15,228
Total labor force	109,136	113,492	58,205	59,025	42,214	43,296	8,717	9,171
Percent of population	63.7	63.6	79.1	78.3	52.0	52.5	52.2	50.4
Civilian labor force	107,015	103,324	56,548	57,329	42,373	43,140	8,394	7,856
Employed	93,401	97,946	52,505	52,221	39,249	39,788	6,647	5,937
Agriculture	2,321	2,853	2,136	2,169	467	476	218	208
Nonagricultural industries	95,580	95,393	50,369	50,052	38,782	39,312	6,428	5,729
Unemployed	8,614	10,378	4,043	5,108	2,825	3,352	1,747	1,918
Percent of labor force	3.0	9.6	7.1	8.9	5.7	7.8	20.8	24.4
Not in labor force	62,264	63,165	15,403	15,881	38,893	39,227	7,969	8,057
White								
Total noninstitutional population	148,761	153,512	64,548	65,603	70,315	71,448	13,896	13,460
Total labor force	95,328	95,272	51,382	51,992	36,200	37,095	7,746	7,185
Percent of population	54.1	64.0	79.6	79.3	51.5	51.9	55.7	53.4
Civilian labor force	93,699	94,616	50,101	50,692	36,097	36,984	7,502	6,940
Employed	85,902	85,492	46,832	46,624	33,985	34,461	6,084	5,437
Agriculture	2,558	2,583	1,927	1,927	442	454	198	232
Nonagricultural industries	84,334	83,399	44,905	44,697	33,543	34,007	5,886	5,206
Unemployed	6,797	3,124	3,268	4,063	2,111	2,523	1,418	1,533
Percent of labor force	7.3	8.6	6.5	9.0	5.8	5.8	18.9	22.1
Not in labor force	53,433	54,239	13,166	13,611	34,117	34,353	6,150	6,275
Black and other								
Total noninstitutional population	22,639	23,146	9,060	9,303	10,790	11,074	2,790	2,768
Total labor force	13,808	14,220	6,823	7,033	6,314	6,201	971	986
Percent of population	51.0	61.4	75.3	75.5	55.7	55.0	34.8	35.6
Civilian labor force	13,316	13,738	6,447	6,636	5,977	6,156	892	916
Employed	11,499	11,454	5,673	5,597	5,263	5,327	562	533
Agriculture	254	270	209	241	25	22	20	7
Nonagricultural industries	11,245	11,184	5,464	5,355	5,239	5,306	542	524
Unemployed	1,817	2,254	774	1,040	713	829	330	386
Percent of labor force	13.6	16.4	12.0	15.7	11.9	13.5	37.0	42.1
Not in labor force	8,832	9,926	2,237	2,270	4,775	4,874	1,818	1,782

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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	February 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	24,947	12,522	12,326	20,758	10,547	10,211	4,190	2,075	2,115
Total labor force	14,439	7,937	6,533	12,552	5,842	5,739	1,888	1,364	824
Percent of population	57.9	62.6	53.0	60.5	54.9	55.9	45.1	51.3	38.9
Civilian labor force	13,714	7,251	6,463	12,003	5,342	5,651	1,711	939	832
Employed	10,783	5,555	5,227	9,535	4,999	4,698	1,086	557	529
Agriculture	339	295	44	317	273	44	22	22	--
Nonagricultural industries	10,444	5,259	5,183	9,379	4,725	4,654	1,065	535	530
Unemployed	2,931	1,695	1,236	2,337	1,344	963	625	352	273
Looking for full-time work	1,859	1,155	704	1,437	897	540	422	258	164
Looking for part-time work	1,073	541	532	873	447	423	203	94	133
Percent of labor force	21.4	23.4	19.1	19.2	21.2	17.0	36.5	38.7	34.0
Not in labor force	10,533	4,715	5,793	8,205	3,704	4,501	2,302	1,311	1,291
Major activity: going to school									
Civilian labor force	4,437	2,231	2,206	3,973	2,019	1,953	465	212	253
Employed	3,429	1,631	1,748	3,154	1,569	1,594	265	111	154
Agriculture	114	103	11	115	103	11	--	--	--
Nonagricultural industries	3,314	1,578	1,737	3,049	1,466	1,583	265	112	154
Unemployed	1,009	551	458	839	450	359	200	100	99
Looking for full-time work	105	50	45	76	44	32	29	17	13
Looking for part-time work	904	490	413	733	407	327	170	84	87
Percent of labor force	22.7	24.7	20.8	20.4	22.3	18.4	43.0	47.4	39.3
Not in labor force	8,368	4,246	4,123	6,632	3,402	3,229	1,737	343	893
Major activity: other									
Civilian labor force	9,277	5,320	4,257	8,030	4,323	3,707	1,246	597	549
Employed	7,354	3,875	3,479	6,533	3,429	3,133	821	446	376
Agriculture	225	192	32	203	170	33	22	22	--
Nonagricultural industries	7,129	3,683	3,447	6,330	3,259	3,071	800	424	376
Unemployed	1,923	1,145	778	1,497	893	634	425	251	174
Looking for full-time work	1,754	1,095	659	1,361	853	508	393	241	152
Looking for part-time work	169	50	119	137	40	96	32	10	22
Percent of labor force	20.7	22.9	18.3	18.5	20.7	16.3	34.1	36.1	31.6
Not in labor force	2,140	470	1,670	1,574	302	1,272	566	169	398

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

(Numbers in thousands)

Sex, age, and race	February 1982								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over.....	91,901	77,804	5,540	3,557	9.3	16,423	14,602	1,821	11.1
16 to 21 years.....	8,024	5,204	961	1,859	23.2	5,691	4,618	1,073	18.8
16 to 19 years.....	3,493	1,943	553	997	28.5	4,363	3,442	921	21.1
16 to 17 years.....	522	230	99	193	37.0	2,472	1,917	555	22.5
18 to 19 years.....	2,970	1,713	454	804	27.1	1,892	1,525	367	19.4
20 years and over.....	88,408	75,861	4,987	7,560	8.5	12,063	11,160	903	7.5
20 to 24 years.....	13,283	10,135	1,022	2,145	15.2	2,473	2,204	270	10.9
25 years and over.....	75,125	65,725	3,985	5,415	7.2	9,587	8,957	630	6.6
25 to 54 years.....	63,247	55,093	3,341	4,812	7.5	6,650	6,174	477	7.2
55 years and over.....	11,878	10,632	644	602	5.1	2,937	2,783	153	5.2
Males, 16 years and over.....	56,148	43,083	2,638	5,426	9.7	5,305	4,548	758	14.3
16 to 21 years.....	4,525	2,921	449	1,155	25.5	2,726	2,186	541	19.8
16 to 19 years.....	1,957	1,085	267	604	30.9	2,168	1,696	472	21.8
16 to 17 years.....	54,191	46,998	2,371	4,822	8.9	3,137	2,851	286	9.1
20 to 24 years.....	7,454	5,585	503	1,366	18.3	1,008	878	131	13.0
25 years and over.....	46,738	41,413	1,869	3,456	7.4	2,128	1,973	155	7.3
25 to 54 years.....	39,046	34,458	1,538	3,050	7.8	936	846	90	9.6
55 years and over.....	7,692	6,955	331	406	5.3	1,192	1,127	65	5.5
Females, 16 years and over.....	35,753	29,721	2,902	3,130	8.3	11,118	10,054	1,064	9.6
16 to 21 years.....	3,499	2,283	512	704	20.1	2,964	2,432	532	17.9
16 to 19 years.....	1,536	857	286	393	25.6	2,195	1,745	450	20.5
20 years and over.....	34,217	28,864	2,616	2,738	8.0	8,923	8,309	614	6.9
20 to 24 years.....	5,830	4,550	500	780	13.4	1,465	1,326	139	9.5
25 years and over.....	28,387	24,313	2,116	1,958	6.9	7,458	6,983	475	6.4
25 to 54 years.....	24,201	20,635	1,804	1,762	7.3	5,713	5,326	387	6.8
55 years and over.....	4,186	3,678	312	196	4.7	1,745	1,657	88	5.0
White									
Males, 16 years and over.....	49,575	43,003	2,246	4,327	8.7	4,764	4,153	610	12.8
16 to 21 years.....	3,872	2,601	374	897	23.2	2,471	2,024	447	18.1
16 to 19 years.....	1,682	984	219	478	28.4	1,966	1,574	392	19.9
20 years and over.....	47,894	42,018	2,026	3,849	8.0	2,798	2,580	219	7.8
20 to 24 years.....	6,444	4,957	431	1,056	16.4	900	799	101	11.2
25 years and over.....	41,450	37,062	1,596	2,794	6.7	1,899	1,780	119	6.3
25 to 54 years.....	34,470	30,724	1,306	2,441	7.1	813	737	75	9.2
55 years and over.....	6,980	6,338	290	353	5.1	1,086	1,042	43	4.0
Females, 16 years and over.....	30,222	25,491	2,424	2,308	7.5	10,054	9,176	878	8.7
16 to 21 years.....	3,042	2,062	440	540	17.7	2,618	2,195	423	16.2
16 to 19 years.....	1,354	793	251	310	22.9	1,939	1,585	353	18.2
20 years and over.....	28,869	24,697	2,173	1,998	6.3	3,115	7,591	524	6.5
20 to 24 years.....	5,004	4,025	420	558	11.2	1,305	1,194	111	8.5
25 years and over.....	23,865	20,672	1,754	1,441	6.0	5,811	6,397	414	6.1
25 to 54 years.....	20,182	17,404	1,506	1,273	6.3	5,254	4,918	336	6.4
55 years and over.....	3,683	3,268	248	168	4.6	1,557	1,479	78	5.0
Black and other									
Males, 16 years and over.....	6,573	5,081	393	1,099	15.7	541	394	147	27.2
16 to 21 years.....	653	320	76	258	39.5	255	162	94	36.7
16 to 19 years.....	275	101	48	126	46.0	202	122	80	39.5
20 years and over.....	6,297	4,980	345	973	15.4	339	272	67	19.8
20 to 24 years.....	1,010	629	72	310	30.7	108	78	30	27.8
25 years and over.....	5,288	4,351	273	663	12.5	231	193	36	15.6
25 to 54 years.....	4,575	3,734	231	610	13.3	124	109	15	12.1
55 years and over.....	712	617	42	53	7.4	137	84	22	20.6
Females, 16 years and over.....	5,530	4,230	478	822	14.9	1,064	878	186	17.5
16 to 21 years.....	456	221	71	164	35.0	346	237	109	31.5
16 to 19 years.....	182	64	35	83	45.6	256	160	96	37.5
20 years and over.....	5,348	4,166	443	739	13.8	808	718	90	11.1
20 to 24 years.....	825	524	80	221	25.3	160	132	28	17.5
25 years and over.....	4,522	3,643	363	518	11.5	648	586	61	9.4
25 to 54 years.....	4,020	3,232	299	489	12.2	460	408	51	11.1
55 years and over.....	503	410	64	29	5.8	188	177	10	5.3

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

[Numbers in thousands]

Family relationship	February 1982									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	108,324	63.2	97,946	10,378	9.6	63,165	32,271	10,116	2,481	18,296
Husbands	39,381	79.8	36,952	2,429	6.2	9,954	110	202	847	8,794
With employed wife	21,606	91.8	20,380	1,227	5.7	1,926	41	107	256	1,522
With unemployed wife	1,601	91.9	1,314	287	17.9	141	1	9	31	100
With wife not in labor force	16,173	67.2	15,258	915	5.7	7,886	68	86	560	7,172
Wives	25,275	51.2	23,533	1,742	6.9	24,059	21,387	366	283	2,024
With employed husband	21,694	58.7	20,380	1,314	6.1	15,258	14,042	310	85	821
With unemployed husband	1,514	62.3	1,227	287	19.0	915	855	22	6	33
With husband not in labor force	2,068	20.8	1,926	141	6.8	7,886	6,490	34	192	1,170
Relatives in married-couple families	12,997	58.9	10,612	2,385	18.3	9,079	938	6,508	251	1,382
16 to 19 years	5,243	48.8	4,126	1,117	21.3	5,502	148	5,046	5	303
20 to 24 years	4,992	73.2	4,151	842	16.9	1,830	176	1,368	43	243
25 years and over	2,762	61.3	2,335	426	15.4	1,747	614	94	203	836
Females who maintain families	5,778	60.2	5,163	615	10.6	3,820	2,971	160	138	552
Relatives in families maintained by females	4,617	54.9	3,434	1,184	25.6	3,796	808	1,813	254	921
16 to 19 years	1,301	43.5	839	462	35.5	1,687	98	1,418	5	167
20 to 24 years	1,508	69.3	1,089	419	27.8	669	151	338	28	151
25 years and over	1,808	55.7	1,506	303	16.8	1,440	559	57	221	603
Males who maintain families	1,805	77.3	1,593	213	11.8	531	29	42	54	406
Relatives in families maintained by males	1,375	57.4	1,098	277	20.2	1,019	434	275	57	253
16 to 19 years	289	55.3	198	91	31.5	233	20	190	2	21
20 to 24 years	367	72.5	271	96	26.1	139	39	77	1	23
25 years and over	719	52.7	629	90	12.5	647	375	8	54	209
Persons living alone	10,445	53.3	9,684	761	7.3	9,138	4,995	258	483	3,402
Males	5,514	71.2	5,005	509	9.2	2,235	142	152	218	1,723
Females	4,931	41.7	4,678	252	5.1	6,903	4,853	106	264	1,679
All others¹	6,651	79.4	5,877	772	11.6	1,764	379	492	114	562

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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
Total, 16 years and over	5,073	6,184	8.3	10.1	3,542	4,194	7.7	8.9
Married, spouse present	2,035	2,584	5.0	5.4	1,520	1,837	6.0	7.2
Widowed, divorced, or separated	552	686	10.5	12.3	703	823	7.8	8.8
Single (never married)	2,484	2,914	15.3	18.8	1,318	1,534	11.4	13.0
White, 16 years and over	4,100	4,938	7.5	9.1	2,697	3,186	6.8	7.9
Married, spouse present	1,751	2,193	4.9	5.0	1,294	1,557	5.7	6.8
Widowed, divorced, or separated	434	524	10.1	11.4	491	590	6.8	7.8
Single (never married)	1,915	2,221	14.7	15.8	912	1,038	9.4	10.5
Black and other, 16 years and over	972	1,246	14.0	17.5	845	1,008	13.3	15.3
Married, spouse present	235	392	7.5	13.3	226	279	8.3	10.0
Widowed, divorced, or separated	118	162	12.1	15.6	212	233	11.8	12.9
Single (never married)	569	692	25.3	29.6	407	496	21.9	24.9
Total, 20 to 64 years of age	3,976	5,048	7.3	9.1	2,780	3,320	6.8	7.9
Married, spouse present	1,966	2,522	5.1	6.5	1,423	1,735	5.8	7.0
Widowed, divorced, or separated	537	659	10.7	12.4	657	775	7.9	9.0
Single (never married)	1,473	1,867	13.5	15.2	700	810	8.3	9.6
White, 20 to 64 years of age	3,212	4,031	6.5	8.2	2,072	2,493	5.9	6.9
Married, spouse present	1,532	2,143	4.3	5.1	1,211	1,463	5.5	6.5
Widowed, divorced, or separated	421	507	10.3	11.6	452	546	6.8	7.9
Single (never married)	1,099	1,381	12.0	14.3	408	484	6.4	7.1
Black and other, 20 to 64 years of age	753	1,017	12.2	15.7	707	827	12.1	13.7
Married, spouse present	273	379	7.5	13.3	211	271	8.0	9.9
Widowed, divorced, or separated	116	152	12.5	15.7	206	229	12.0	13.3
Single (never married)	374	486	21.4	26.2	290	326	19.5	20.7

A-11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
Total, 16 years and over	3,614	10,378	3.0	9.6	8.3	10.1	7.7	8.9
White-collar workers	2,073	2,557	3.3	4.6	2.8	3.6	4.7	5.4
Professional and technical	333	478	2.3	2.7	2.1	2.6	2.6	2.9
Managers and administrators, except farm	317	379	2.5	3.3	2.1	3.0	3.9	4.1
Sales workers	320	383	4.3	5.6	3.8	4.4	6.1	7.1
Clerical workers	1,361	1,317	5.4	5.7	4.9	6.7	5.6	6.7
Blue-collar workers	4,222	5,137	12.3	15.0	11.9	14.6	14.1	16.6
Craft and kindred workers	1,291	1,520	9.5	11.2	9.7	11.4	7.5	8.6
Carpenters and other construction craft workers	655	857	15.1	20.9	15.9	20.8	(1)	24.1
All other	626	663	6.6	7.0	6.7	7.0	5.9	7.1
Operatives, except transport	1,630	2,021	13.5	17.2	12.4	16.4	15.3	18.3
Transport equipment operatives	333	475	10.3	12.2	10.7	12.3	5.8	11.0
Nonfarm laborers	913	1,120	18.7	22.2	13.9	22.6	17.7	18.9
Construction laborers	299	351	29.5	38.7	29.3	38.8	(1)	(1)
All other	614	769	15.9	13.5	15.7	18.6	16.7	18.5
Service workers	1,233	1,494	3.9	10.0	3.4	10.8	8.6	9.5
Private household	48	65	4.2	5.0	(1)	(1)	4.2	6.2
All other	1,241	1,428	9.3	10.3	9.4	10.8	9.2	9.9
Farm workers	169	174	6.3	6.9	5.8	6.0	12.1	11.8
No previous work experience	857	1,317	--	--	--	--	--	--
16 to 19 years	635	717	--	--	--	--	--	--
20 to 24 years	157	206	--	--	--	--	--	--
25 years and over	65	93	--	--	--	--	--	--

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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
Total, 16 years and over	100.0	100.0	3.0	9.6	8.3	10.1	7.7	8.9
Nonagricultural private wage and salary workers	78.2	78.1	8.5	10.1	9.0	10.9	8.0	9.1
Mining	1.0	1.1	7.3	10.0	8.1	11.2	2.9	3.1
Construction	11.7	12.6	20.1	25.8	20.8	26.9	10.8	14.1
Manufacturing	25.0	24.9	9.2	11.4	9.2	10.4	11.4	13.5
Durable goods	15.0	15.8	9.3	12.0	8.7	11.4	11.0	13.8
Lumber and wood products	1.1	1.3	14.2	21.1	15.0	20.1	8.9	27.3
Furniture and fixtures	.3	.7	11.5	14.1	9.2	13.4	17.1	15.9
Stone, clay, and glass products	1.1	.8	14.0	13.9	13.8	13.5	14.7	15.6
Primary metal industries	1.0	1.6	7.0	13.5	7.0	14.2	7.4	8.3
Fabricated metal products	2.0	2.1	10.8	13.2	10.7	11.9	11.3	16.9
Machinery, except electrical equipment	2.1	2.3	5.3	8.2	5.4	7.8	9.2	9.8
Electrical equipment	1.9	2.1	6.1	9.3	3.4	7.1	9.5	11.0
Transportation equipment	3.7	3.4	14.2	15.5	14.5	15.2	13.2	16.7
Automobiles	2.3	2.4	20.2	21.8	19.6	20.7	23.0	26.7
Other transportation equipment	.9	.9	7.5	9.0	9.1	9.3	4.5	7.5
Instruments and related products	.5	.6	6.4	10.0	3.2	6.8	10.7	14.3
Other durable goods industries	.9	1.0	9.7	13.2	6.5	8.6	14.6	20.1
Nondurable goods	10.0	9.1	9.2	10.4	7.4	8.3	11.7	13.2
Food and kindred products	2.3	2.2	12.1	12.5	9.2	9.6	18.4	20.2
Textile mill products	1.2	.9	11.9	11.9	11.4	12.1	12.3	11.7
Apparel and other textile products	1.7	2.1	10.5	15.4	5.7	12.1	12.0	16.2
Paper and allied products	.5	.6	5.5	3.5	4.4	6.5	11.9	13.9
Printing and publishing	.9	.9	5.1	5.5	5.1	5.3	5.2	5.9
Chemicals and allied products	1.0	.8	5.9	6.2	5.2	5.3	7.3	8.1
Rubber and plastics products	1.1	.9	12.3	13.7	12.7	12.5	12.9	15.5
Other nondurable goods industries	.3	.8	10.2	12.3	7.8	11.0	13.5	13.8
Transportation and public utilities	4.1	3.7	6.2	5.8	7.2	7.3	3.2	5.3
Railroads and railway express	.7	.6	10.7	11.1	10.9	11.8	(1)	(1)
Other transportation	2.3	2.6	9.0	9.8	9.8	10.3	5.7	8.1
Communication and other public utilities	.5	.5	2.1	2.5	2.3	1.9	1.5	3.6
Wholesale and retail trade	19.4	19.4	8.7	10.1	7.9	9.5	9.5	10.8
Finance, insurance, and real estate	2.4	2.4	3.5	4.2	2.6	3.4	4.3	4.8
Service industries	14.5	13.9	6.7	7.4	7.4	8.5	6.3	6.7
Professional services	5.2	5.4	4.1	4.8	3.2	3.8	4.4	5.2
All other service industries	9.3	8.5	10.5	11.2	11.3	12.7	9.9	9.7
Agricultural wage and salary workers	2.7	2.5	16.8	13.1	15.1	17.4	19.5	21.5
All other classes of workers	9.2	9.5	3.1	3.9	3.0	3.8	3.2	4.0
No previous work experience	9.3	9.8	--	--	--	--	--	--

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

HOUSEHOLD DATA

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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
NUMBER OF UNEMPLOYED												
Total unemployed, in thousands	8,614	10,378	4,043	5,138	2,825	3,352	1,747	1,918	5,797	8,124	1,817	2,254
Job losers	4,835	6,132	2,995	3,903	1,409	1,690	432	540	3,881	4,894	954	1,238
On layoff	1,781	2,344	1,205	1,574	477	625	93	145	1,543	1,989	238	355
Other job losers	3,054	3,788	1,790	2,329	932	1,064	339	395	2,338	2,905	716	883
Job leavers	882	331	361	400	352	393	159	137	741	813	141	121
Reentrants	2,041	2,300	631	680	927	1,095	513	526	1,554	1,698	487	632
New entrants	856	1,015	85	125	137	174	534	715	521	721	235	294
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	56.2	59.1	74.1	76.4	49.9	50.4	24.7	28.1	57.1	60.3	52.6	55.0
On layoff	20.7	22.6	29.8	30.8	16.9	18.7	5.5	7.5	22.7	24.5	13.1	15.9
Other job losers	35.5	36.5	44.3	45.6	33.0	31.7	19.1	20.6	34.4	35.8	39.5	39.2
Job leavers	10.2	9.0	8.9	7.8	12.5	11.7	9.5	7.1	10.9	10.0	7.8	5.4
Reentrants	23.7	22.2	14.9	13.3	32.8	32.7	29.4	27.4	22.9	20.9	26.8	26.7
New entrants	9.9	9.3	2.1	2.5	4.9	5.2	36.3	37.3	9.1	8.9	12.9	13.0
UNEMPLOYMENT RATE												
Total unemployment rate	8.0	9.6	7.1	8.9	5.7	7.8	20.3	24.4	7.3	8.6	13.6	15.4
Job loser rate ¹	4.6	5.7	5.3	6.8	3.3	4.0	5.2	6.8	4.1	5.2	7.2	9.0
Job leaver rate ¹	.8	.9	.6	.7	.8	.9	2.0	1.7	.8	.9	1.1	.9
Reentrant rate ¹	1.9	2.1	1.1	1.2	2.2	2.5	6.1	6.7	1.7	1.3	3.7	4.4
New entrant rate ¹	.8	.9	.2	.2	.3	.4	7.5	9.1	.7	.8	1.8	2.1

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	February 1982						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over	10,378	100.0	34.5	36.4	29.1	16.2	12.9
Job losers	6,132	100.0	29.0	40.2	30.8	17.2	13.6
On layoff	2,344	100.0	34.2	45.0	20.8	15.0	5.8
Other job losers	3,788	100.0	25.7	37.2	37.1	18.6	18.5
Job leavers	331	100.0	39.4	29.4	31.3	11.6	12.6
Reentrants	2,300	100.0	42.1	32.2	25.7	14.0	11.7
New entrants	1,015	100.0	46.2	29.9	23.9	12.7	11.2
Males, 20 years and over	5,138	100.0	28.6	38.3	33.0	17.7	15.4
Job losers	3,903	100.0	26.5	41.2	32.3	17.7	14.5
On layoff	1,574	100.0	32.4	45.6	21.0	15.4	5.6
Other job losers	2,329	100.0	22.6	37.6	39.8	19.3	20.6
Job leavers	400	100.0	33.7	28.7	37.6	22.3	15.3
Reentrants	680	100.0	37.6	27.6	34.7	13.9	20.9
New entrants	125	100.0	29.4	36.9	33.7	20.7	13.0
Females, 20 years and over	3,352	100.0	37.8	34.8	27.4	15.6	11.8
Job losers	1,690	100.0	32.6	35.6	31.8	17.0	14.8
On layoff	626	100.0	37.9	38.6	23.5	15.9	7.6
Other job losers	1,064	100.0	29.5	33.8	36.7	17.7	19.0
Job leavers	393	100.0	39.2	31.6	29.2	18.3	10.9
Reentrants	1,095	100.0	43.4	35.6	21.0	13.3	7.7
New entrants	174	100.0	49.5	30.0	20.5	9.6	10.9
Both sexes, 16 to 19 years	1,913	100.0	44.4	34.3	21.3	13.3	8.1
Job losers	540	100.0	35.0	47.4	17.5	13.7	3.8
On layoff	145	100.0	38.3	55.4	6.3	6.3	--
Other job losers	395	100.0	33.9	44.5	21.6	16.4	5.3
Job leavers	137	100.0	56.6	24.6	18.9	9.0	9.9
Reentrants	526	100.0	45.4	31.0	23.7	15.7	8.0
New entrants	715	100.0	48.4	28.6	23.0	12.0	11.0

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

Sex, age, and race	February 1932								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	10,378	7,919	26.1	6.5	74.6	31.9	15.7	5.0	1.63
16 to 19 years	1,918	1,759	14.6	2.6	81.1	23.5	13.3	3.1	1.43
20 to 24 years	2,415	1,905	31.3	6.8	75.0	35.9	15.7	4.3	1.69
25 to 34 years	2,880	2,037	30.9	9.2	73.0	37.6	16.2	4.5	1.71
35 to 44 years	1,460	1,039	28.8	6.7	71.8	38.6	17.7	5.8	1.70
45 to 54 years	949	574	26.1	8.3	73.0	35.4	16.0	5.1	1.65
55 to 64 years	665	435	22.3	6.2	62.5	36.8	17.5	11.7	1.57
65 years and over	91	69	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Males, 16 years and over	6,184	4,445	23.9	6.9	74.7	33.2	18.2	6.9	1.69
16 to 19 years	1,076	975	16.7	2.2	81.3	23.8	15.9	4.1	1.49
20 to 24 years	1,496	1,121	37.2	6.1	74.8	34.3	16.6	5.5	1.74
25 to 34 years	1,794	1,171	32.8	11.2	71.4	35.4	19.3	6.0	1.76
35 to 44 years	805	515	32.4	7.2	71.3	37.5	23.5	9.1	1.81
45 to 54 years	541	348	29.3	9.5	77.0	32.8	17.5	10.1	1.75
55 to 64 years	411	256	17.7	5.5	66.5	32.0	18.0	13.2	1.59
65 years and over	60	43	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	4,194	3,475	22.5	6.2	74.4	37.0	12.5	2.5	1.55
16 to 19 years	842	784	12.0	3.1	80.9	23.1	10.1	1.9	1.35
20 to 24 years	919	784	23.0	7.8	75.3	38.0	14.3	2.4	1.61
25 to 34 years	1,086	857	28.4	6.6	75.0	40.6	12.1	2.7	1.65
35 to 44 years	655	524	25.2	6.5	72.3	39.7	12.2	4.6	1.60
45 to 54 years	408	327	22.6	7.3	68.5	40.1	14.4	1.8	1.55
55 to 64 years	253	169	30.8	7.1	55.2	44.4	16.6	--	1.55
65 years and over	32	20	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	8,124	6,025	24.2	6.5	75.0	37.0	16.0	5.0	1.64
Males	4,938	3,437	25.9	6.5	75.5	34.9	18.4	7.0	1.69
Females	3,186	2,588	20.5	6.8	74.2	39.7	12.8	2.3	1.56
Black and other, 16 years and over	2,254	1,894	32.0	6.5	73.5	23.3	14.3	4.8	1.60
Males	1,246	1,009	35.4	8.3	71.9	27.4	17.8	6.3	1.67
Females	1,008	885	28.1	4.4	75.2	23.3	11.7	3.2	1.52

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	February 1932								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	10,378	7,919	26.1	6.6	74.6	34.9	15.7	5.0	1.63
Job losers	6,132	3,302	33.3	7.4	75.1	36.8	13.1	6.1	1.73
Job leavers	931	923	19.7	8.9	75.2	40.1	15.5	2.2	1.62
Reentrants	2,300	2,183	19.4	5.5	69.5	34.6	12.5	5.5	1.47
New entrants	1,015	1,012	17.0	3.6	79.3	23.6	14.1	2.0	1.40
Males, 16 years and over	6,184	4,445	23.9	6.9	74.7	33.2	18.2	6.9	1.69
Job losers	4,267	2,602	35.7	7.5	73.3	34.1	18.4	7.9	1.79
Job leavers	471	463	13.2	11.4	72.8	40.4	21.2	3.2	1.68
Reentrants	963	895	19.3	5.2	70.8	32.6	17.4	8.4	1.54
New entrants	483	483	13.8	1.9	78.5	23.2	15.9	2.3	1.41
Females, 16 years and over	4,194	3,475	22.5	6.2	74.4	37.0	12.5	2.5	1.55
Job losers	1,865	1,200	29.5	6.9	75.3	42.7	17.4	2.2	1.75
Job leavers	460	450	23.4	6.5	77.5	33.8	9.8	1.3	1.55
Reentrants	1,337	1,286	19.8	5.9	68.8	36.2	8.9	3.7	1.43
New entrants	532	529	15.1	4.9	30.0	23.8	12.7	1.5	1.39

NOTE: See note, table A-15.

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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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
Total, 16 years and over	8,614	10,378	100.0	100.0	7,054	8,557	100.0	100.0
Less than 5 weeks	3,089	3,591	35.9	34.5	2,225	2,634	31.5	30.8
5 to 14 weeks	2,951	3,732	34.3	35.4	2,509	3,221	35.6	37.6
5 to 10 weeks	2,148	2,649	24.9	25.5	1,801	2,214	25.5	25.9
11 to 14 weeks	803	1,133	9.3	10.9	737	1,006	10.0	11.8
15 weeks and over	2,574	3,015	29.9	29.1	2,319	2,702	32.9	31.6
15 to 26 weeks	1,267	1,678	14.7	15.2	1,034	1,478	15.5	17.3
27 weeks and over	1,307	1,337	15.2	12.9	1,225	1,225	17.4	14.3
27 to 51 weeks	751	708	8.7	6.8	737	649	10.0	7.6
52 weeks and over	557	628	6.5	6.1	518	576	7.3	6.7
Average (mean) duration, in weeks	14.3	14.3	--	--	15.6	15.4	--	--
Median duration, in weeks	8.2	8.5	--	--	9.2	9.4	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
	February 1982										
Total, 16 years and over	10,378	3,581	3,782	1,678	1,337	14.3	8.5	35.9	34.5	29.9	29.1
16 to 21 years	2,931	1,199	1,051	392	290	11.5	6.9	43.1	40.9	23.0	23.2
16 to 19 years	1,918	852	657	255	155	10.5	6.2	47.7	44.4	20.3	21.3
20 to 24 years	2,415	793	963	356	303	13.8	8.5	35.5	32.8	29.1	27.3
25 to 34 years	2,880	959	974	564	373	15.5	9.4	31.5	33.6	31.1	32.6
35 to 44 years	1,460	442	562	230	227	15.7	9.3	30.4	30.3	35.9	31.3
45 to 54 years	949	231	367	148	153	15.1	9.0	34.6	29.6	34.8	31.7
55 to 64 years	665	208	236	110	111	16.4	9.4	29.7	31.2	40.7	33.3
65 years and over	91	37	24	16	15	15.9	8.1	38.5	40.4	25.8	33.5
Males, 16 years and over	6,184	1,924	2,333	1,053	374	15.4	9.4	32.6	31.1	32.4	31.2
16 to 21 years	1,695	556	613	245	182	12.2	7.4	39.9	38.7	25.5	25.2
16 to 19 years	1,076	461	376	151	98	10.8	6.5	45.1	42.8	22.5	22.2
20 to 24 years	1,496	442	614	243	197	14.4	9.4	31.3	29.5	32.4	29.4
25 to 34 years	1,794	525	653	358	259	16.7	10.2	28.2	29.3	33.4	34.4
35 to 44 years	805	200	330	127	148	17.8	10.5	28.6	24.8	37.4	34.2
45 to 54 years	541	151	198	105	88	17.0	9.5	27.1	27.9	40.8	35.5
55 to 64 years	411	121	153	55	82	18.2	10.9	28.9	29.4	39.8	33.3
65 years and over	60	24	10	14	13	18.9	9.5	(1)	(1)	(1)	(1)
Females, 16 years and over	4,194	1,557	1,449	625	462	12.7	7.1	40.6	39.5	25.3	25.9
16 to 21 years	1,236	543	438	147	108	10.5	6.2	48.0	43.9	19.2	20.6
16 to 19 years	842	391	281	104	67	10.2	5.8	51.4	46.4	17.1	20.2
20 to 24 years	919	351	349	113	106	12.7	7.1	42.2	38.2	23.8	23.9
25 to 34 years	1,086	444	321	207	115	13.6	7.7	36.2	40.9	27.8	29.6
35 to 44 years	655	242	232	102	79	13.1	7.3	32.8	37.0	33.9	27.7
45 to 54 years	408	131	169	43	65	14.9	8.2	43.6	32.0	27.5	26.5
55 to 64 years	253	87	93	55	29	13.6	7.5	30.8	34.2	42.1	33.2
65 years and over	32	13	14	2	2	10.2	7.3	(1)	(1)	(1)	(1)
White, 16 years and over	8,124	2,767	3,109	1,298	950	13.7	8.4	36.5	34.1	29.4	27.7
Males	4,938	1,495	1,986	843	514	14.6	9.3	33.1	30.3	31.1	29.5
Females	3,186	1,272	1,123	455	335	12.3	7.0	41.7	39.9	24.4	24.8
Black and other, 16 years and over	2,254	814	574	381	387	16.5	8.9	33.6	36.1	35.4	34.0
Males	1,246	429	348	210	260	18.7	9.9	30.4	34.4	38.0	37.7
Females	1,008	385	326	171	127	14.1	7.5	37.2	38.2	32.4	29.5
Males, 16 years and over:											
Married, spouse present	2,584	715	1,037	463	369	15.8	9.9	31.2	27.7	33.3	32.2
Widowed, divorced, or separated	686	183	247	127	123	18.7	11.1	21.7	26.7	40.9	37.2
Single (never married)	2,914	1,024	1,049	463	377	14.2	8.5	36.1	35.1	29.7	28.8
Females, 16 years and over:											
Married, spouse present	1,837	742	646	269	180	12.1	6.8	39.5	40.4	26.1	24.4
Widowed, divorced, or separated	823	275	280	147	122	14.9	9.5	35.5	33.4	31.4	32.6
Single (never married)	1,534	641	523	210	151	12.4	6.7	44.6	41.8	23.8	24.2

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

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
	February 1982										
OCCUPATION											
White-collar workers	2,557	300	913	404	335	14.1	8.3	37.9	35.2	30.0	28.9
Professional and managerial	857	289	293	150	124	14.8	9.1	35.1	33.7	31.9	32.1
Sales workers	383	122	168	53	40	12.8	7.5	40.2	31.9	26.9	24.3
Clerical workers	1,317	489	457	201	170	14.3	7.5	39.2	37.1	29.7	23.2
Blue-collar workers	5,137	1,579	1,970	904	584	15.2	9.3	30.9	30.7	33.1	30.9
Craft and kindred workers	1,520	445	642	245	198	14.7	9.0	30.8	29.3	29.3	28.5
Operatives, except transport	2,021	554	714	376	257	15.4	9.2	29.8	32.9	37.0	31.8
Transport equipment operatives	475	135	185	80	75	15.8	10.2	30.1	28.4	33.5	32.5
Nonfarm laborers	1,120	335	429	203	153	15.1	9.5	33.3	29.9	32.9	31.8
Service workers	1,494	565	539	224	195	13.5	7.7	41.3	37.9	24.0	23.0
INDUSTRY¹											
Agriculture	257	94	123	28	12	10.3	6.9	31.8	35.6	23.8	15.6
Construction	1,344	331	633	227	133	13.6	9.3	29.7	28.4	24.8	26.8
Manufacturing	2,593	780	977	498	398	16.7	10.1	30.6	30.1	39.5	34.5
Durable goods	1,646	479	599	301	267	17.3	10.0	29.8	29.1	41.9	34.5
Nondurable goods	947	300	319	197	131	15.3	10.1	31.8	31.7	35.1	34.6
Transportation and public utilities	428	150	148	70	59	15.1	8.1	33.6	35.2	35.6	30.3
Wholesale and retail trade	2,016	782	775	259	230	12.3	6.9	41.1	38.8	25.3	22.7
Finance and service industries	2,099	761	680	336	321	14.7	8.4	36.8	36.3	27.6	31.3
Public administration	282	55	87	74	55	19.7	14.7	34.4	19.5	34.7	49.4
No previous work experience	1,017	471	333	128	114	12.3	6.2	47.3	46.4	23.1	23.8

¹ Includes wage and salary workers only.

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

[In thousands]

Industry and age	Total		Males		Females	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
All industries	93,401	97,946	53,937	55,259	42,464	42,677
18 to 19 years	5,547	5,937	3,432	3,049	3,215	2,889
18 to 17 years	2,549	2,246	1,319	1,157	1,230	1,088
18 to 19 years	4,093	3,692	2,113	1,891	1,985	1,800
20 to 24 years	13,677	13,342	7,173	6,966	6,504	6,376
25 to 54 years	63,703	64,608	35,653	36,842	27,050	27,766
25 to 34 years	27,632	28,089	15,885	15,887	11,746	12,202
35 to 44 years	19,777	20,603	11,342	11,723	8,435	8,881
45 to 54 years	16,294	15,916	9,425	9,232	6,869	6,684
55 to 64 years	11,439	11,218	6,912	6,674	4,586	4,544
55 to 59 years	7,102	6,932	4,246	4,128	2,856	2,804
60 to 64 years	4,397	4,286	2,665	2,546	1,730	1,740
65 years and over	2,875	2,841	1,766	1,739	1,109	1,102
Nonagricultural industries	95,580	95,093	53,621	52,918	41,958	42,176
18 to 19 years	5,428	5,729	3,252	2,866	3,177	2,863
18 to 17 years	2,442	2,138	1,228	1,065	1,214	1,073
18 to 19 years	3,986	3,591	2,024	1,831	1,963	1,790
20 to 24 years	13,354	13,026	5,920	6,796	6,434	6,320
25 to 54 years	62,185	63,001	35,436	35,560	26,749	27,440
25 to 34 years	27,099	27,415	15,443	15,352	11,656	12,063
35 to 44 years	19,271	20,122	10,950	11,334	8,321	8,788
45 to 54 years	15,815	15,463	9,044	8,874	6,772	6,590
55 to 64 years	11,009	10,766	5,493	6,289	4,516	4,477
55 to 59 years	6,949	6,699	4,037	3,931	2,812	2,769
60 to 64 years	4,150	4,066	2,457	2,358	1,704	1,708
65 years and over	2,503	2,572	1,520	1,497	1,083	1,076
Agriculture	2,321	2,853	2,315	2,351	505	501
18 to 19 years	213	208	180	183	38	25
18 to 17 years	107	107	91	92	16	15
18 to 19 years	112	101	89	90	23	11
20 to 24 years	323	316	254	260	70	56
25 to 54 years	1,518	1,608	1,217	1,292	301	326
25 to 34 years	533	573	443	534	90	139
35 to 44 years	506	482	393	389	113	93
45 to 54 years	479	453	381	359	98	94
55 to 64 years	439	452	419	385	70	67
55 to 59 years	253	232	209	197	44	35
60 to 64 years	236	220	210	187	27	32
65 years and over	272	269	247	243	26	26

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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	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
	TOTAL	98,431	97,946	52,505	52,221	39,249	39,788	3,432	3,049	3,215	2,899
White-collar workers	52,874	52,986	23,938	23,995	26,597	25,927	693	562	1,746	1,532
Professional and technical	16,541	16,977	8,940	9,143	7,414	7,705	93	58	93	70
Health workers	3,116	3,244	994	1,038	2,102	2,187	4	5	16	14
Teachers, except college	3,352	3,468	981	1,022	2,363	2,432	5	3	11	11
Other professional and technical	10,065	10,265	6,965	7,083	2,949	3,087	84	50	55	45
Managers and administrators, except farm	11,637	11,242	8,353	8,181	3,150	2,981	61	43	42	40
Salaried workers	9,695	9,467	6,979	6,837	2,621	2,553	58	39	39	40
Self-employed workers in retail trade	917	814	542	551	368	262	3	1	3	1
Self-employed workers, except retail trade	995	960	832	794	161	166	1	1	1	--
Sales workers	6,276	6,426	3,271	3,334	2,393	2,539	208	200	405	353
Retail trade	3,150	3,212	1,014	1,042	1,617	1,701	159	149	370	320
Other industries	3,117	3,214	2,257	2,292	775	838	49	52	34	33
Clerical workers	18,450	18,340	3,275	3,336	13,639	13,701	330	264	1,206	1,039
Stenographers, typists, and secretaries	5,024	4,792	58	68	4,684	4,490	8	4	274	230
Other clerical workers	13,426	13,548	3,217	3,268	9,955	9,211	322	260	932	809
Blue-collar workers	30,004	29,142	22,724	22,178	5,348	5,287	1,661	1,437	271	241
Craft and kindred workers	12,263	12,031	11,141	10,915	746	835	336	263	40	19
Carpenters	1,069	1,011	1,015	973	19	15	35	24	--	--
Construction craft workers, except carpenters	2,392	2,250	2,301	2,158	28	45	63	46	--	1
Mechanics and repairers	3,474	3,467	3,269	3,277	61	77	143	112	2	--
Metal craft workers	1,253	1,168	1,177	1,089	55	49	36	29	1	1
Blue-collar worker supervisors, not elsewhere classified	1,746	1,727	1,520	1,532	217	194	5	1	4	--
All other	2,313	2,409	1,860	1,886	366	455	55	52	32	17
Operatives, except transport	10,432	9,756	5,815	5,440	3,909	3,757	518	405	160	154
Durable goods manufacturing	4,563	4,312	2,852	2,745	1,507	1,407	154	125	50	35
Nondurable goods manufacturing	3,359	3,027	1,341	1,162	1,840	1,726	105	61	73	79
Other industries	2,430	2,416	1,622	1,532	553	625	259	220	35	41
Transport equipment operatives	3,377	3,433	2,951	2,989	287	309	127	126	12	9
Drivers, motor vehicles	2,938	2,942	2,541	2,551	272	275	115	109	11	7
All other	438	491	410	437	15	34	12	17	1	2
Nonfarm laborers	3,962	3,922	2,817	2,835	405	385	680	641	60	51
Construction	713	556	628	473	14	10	71	67	--	--
Manufacturing	908	939	681	732	151	138	70	65	6	4
Other industries	2,341	2,426	1,508	1,623	240	237	539	509	54	57
Service workers	13,210	13,473	4,127	4,202	6,987	7,257	918	887	1,178	1,128
Private household workers	1,092	1,021	25	32	864	777	11	8	191	234
Service workers, except private household	12,118	12,452	4,102	4,170	6,122	6,480	907	879	986	924
Food service workers	4,451	4,545	932	961	2,255	2,351	589	593	664	639
Protective service workers	1,457	1,512	1,288	1,314	144	171	23	20	12	7
All other	6,200	6,395	1,882	1,895	3,713	3,958	295	265	310	278
Farm workers	2,313	2,345	1,816	1,846	316	317	160	163	20	18
Farmers and farm managers	1,390	1,342	1,246	1,193	123	139	16	8	--	1
Farm laborers and supervisors	923	1,003	570	653	189	178	144	155	20	16
Paid workers	742	790	539	610	84	66	107	106	13	7
Unpaid family workers	181	213	32	42	105	112	37	50	8	9

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

[Percent distribution]

Occupation and race	Total		Males		Females	
	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
	TOTAL					
Total, 16 years and over (thousands)	93,431	97,946	55,937	55,259	42,464	42,677
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.7	54.1	43.9	44.4	66.7	66.6
Professional and technical	15.8	17.3	15.1	16.6	17.7	18.2
Managers and administrators, except farm	11.8	11.5	15.0	14.9	7.5	7.1
Sales workers	6.4	6.6	5.2	6.4	6.6	6.8
Clerical workers	18.7	18.7	5.4	6.5	35.0	34.5
Blue-collar workers	30.5	29.8	43.6	42.7	13.2	13.0
Craft and kindred workers	12.5	12.3	23.5	20.2	1.9	2.0
Operatives, except transport	10.6	10.0	11.3	10.6	9.6	9.2
Transport equipment operatives	3.4	3.5	5.5	5.6	.7	.7
Nonfarm laborers	4.0	4.0	5.3	6.3	1.1	1.0
Service workers	13.4	13.8	3.0	9.2	19.2	19.6
Private household workers	1.1	1.0	.1	.1	2.5	2.3
Other service workers	12.3	12.7	3.0	9.1	16.7	17.3
Farm workers	2.4	2.4	3.5	3.6	.8	.8
Farmers and farm managers	1.4	1.4	2.3	2.2	.3	.3
Farm laborers and supervisors	.9	1.0	1.3	1.5	.5	.5
White						
Total, 16 years and over (thousands)	35,932	85,492	49,963	49,432	36,934	37,091
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	55.3	55.7	45.5	45.9	68.7	68.8
Professional and technical	17.2	17.8	16.7	17.1	18.0	18.7
Managers and administrators, except farm	12.5	12.2	15.9	15.7	8.0	7.6
Sales workers	6.9	7.0	5.7	6.8	7.1	7.3
Clerical workers	18.7	18.7	5.3	6.3	35.6	35.3
Blue-collar workers	30.0	29.3	42.8	42.0	12.8	12.3
Craft and kindred workers	12.9	12.7	21.0	20.7	1.9	2.1
Operatives, except transport	10.1	9.4	10.9	10.1	9.1	8.5
Transport equipment operatives	3.3	3.4	5.2	5.3	.7	.8
Nonfarm laborers	3.7	3.7	5.7	5.8	1.1	1.0
Service workers	12.2	12.5	3.2	8.4	17.7	18.0
Private household workers	.9	.8	(1)	.1	2.0	1.8
Other service workers	11.3	11.7	3.1	8.4	15.7	16.2
Farm workers	2.4	2.5	3.6	3.7	.9	.9
Farmers and farm managers	1.6	1.5	2.4	2.4	.3	.4
Farm laborers and supervisors	.9	1.0	1.2	1.3	.5	.5
Black and other						
Total, 16 years and over (thousands)	11,499	11,454	5,970	5,858	5,529	5,586
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	41.6	41.7	30.2	32.0	53.9	52.0
Professional and technical	13.7	13.8	11.8	12.5	15.7	15.3
Managers and administrators, except farm	6.3	5.7	7.9	7.8	4.6	3.5
Sales workers	2.8	3.3	2.5	3.2	3.1	3.4
Clerical workers	18.8	18.9	3.3	8.5	30.5	29.8
Blue-collar workers	34.1	33.5	50.6	49.0	16.2	17.2
Craft and kindred workers	9.2	8.8	16.5	15.9	1.4	1.3
Operatives, except transport	14.0	14.0	14.8	14.2	13.1	13.9
Transport equipment operatives	4.7	4.5	3.4	8.2	.6	.7
Nonfarm laborers	6.2	6.1	10.9	10.7	1.1	1.3
Service workers	22.6	23.0	15.2	15.7	29.5	30.6
Private household workers	3.0	2.9	.2	.3	5.9	5.6
Other service workers	19.7	20.1	15.0	15.5	23.6	25.0
Farm workers	1.7	1.8	2.9	3.3	.3	.3
Farmers and farm managers	.3	.3	.6	.5	(1)	.1
Farm laborers and supervisors	1.3	1.5	2.3	2.8	.3	.2

¹ Less than 0.05 percent.

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

[In thousands]

		February 1982								
Age and sex		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		87,700	1,113	15,760	70,827	7,027	365	1,161	1,456	235
16 to 19 years		5,610	244	360	5,005	90	29	140	9	59
16 to 17 years		2,078	180	105	1,793	54	6	64	5	38
18 to 19 years		3,532	64	256	3,212	36	23	75	4	21
20 to 24 years		12,659	133	1,396	11,162	343	25	213	69	33
25 to 34 years		25,632	143	4,622	20,867	1,730	54	343	276	55
35 to 44 years		18,232	143	3,924	14,165	1,792	98	198	252	32
45 to 54 years		13,943	158	3,119	10,556	1,443	78	136	287	30
55 to 64 years		9,621	157	2,023	7,431	1,372	73	106	329	17
55 to 59 years		6,004	133	1,243	4,660	552	44	67	155	10
60 to 64 years		3,617	57	780	2,771	423	29	39	174	7
65 years and over		2,004	148	315	1,541	557	11	26	234	9
Males, 16 years and over		48,108	113	7,666	40,333	4,755	54	962	1,289	101
16 to 19 years		2,799	37	154	2,608	50	18	125	3	50
16 to 17 years		1,032	24	51	958	29	4	55	4	33
18 to 19 years		1,766	13	104	1,650	21	14	70	3	16
20 to 24 years		6,477	19	553	5,905	221	8	179	60	21
25 to 34 years		14,211	14	2,164	12,034	1,136	5	276	240	18
35 to 44 years		10,136	7	1,940	8,189	1,193	5	163	216	9
45 to 54 years		7,869	13	1,633	6,222	1,331	4	113	246	--
55 to 64 years		5,508	5	1,033	4,469	773	9	82	302	1
55 to 59 years		3,456	2	635	2,818	470	5	58	139	--
60 to 64 years		2,052	4	398	1,651	303	3	25	162	--
65 years and over		1,109	15	189	936	332	5	24	215	3
Females, 16 years and over		39,592	1,003	3,095	30,494	2,271	312	200	168	134
16 to 19 years		2,811	207	206	2,397	41	12	15	1	9
16 to 17 years		1,045	156	54	835	26	2	9	1	5
18 to 19 years		1,766	51	152	1,562	15	9	5	1	5
20 to 24 years		6,182	82	843	5,257	121	16	34	9	13
25 to 34 years		11,421	129	2,459	8,833	594	48	67	36	36
35 to 44 years		8,096	136	1,984	5,976	539	93	35	35	23
45 to 54 years		6,074	154	1,486	4,434	342	74	24	40	30
55 to 64 years		4,113	161	930	2,962	303	64	24	27	16
55 to 59 years		2,548	93	608	1,842	182	39	10	15	10
60 to 64 years		1,565	53	382	1,120	118	25	14	12	6
65 years and over		895	134	126	635	175	6	2	18	6

A-24. Employed persons by industry and occupation

[In thousands]

		February 1982											
Industry		White-collar workers				Blue-collar workers				Service workers		Farm workers	
		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
Agriculture		2,853	55	35	8	83	52	15	24	212	--	9	2,345
Mining		1,095	155	130	4	144	261	395	53	25	--	16	--
Construction		5,263	159	739	40	462	2,900	218	175	556	--	41	--
Manufacturing		20,640	2,530	1,673	486	2,580	3,999	7,340	694	939	--	393	--
Durable goods		12,383	1,531	1,019	173	1,529	2,609	4,312	346	503	--	211	--
Nondurable goods		8,257	999	653	313	1,051	1,390	3,027	348	436	--	183	--
Transportation and public utilities		6,477	675	673	96	1,506	1,351	109	1,431	421	--	234	--
Wholesale and retail trade		19,992	460	3,838	4,194	3,493	1,437	899	774	1,138	--	3,698	--
Wholesale trade		4,063	162	868	982	844	306	216	406	251	--	28	--
Retail trade		15,929	298	3,030	3,212	2,650	1,131	683	368	887	--	3,670	--
Finance, insurance, and real estate		6,351	401	1,281	1,402	2,815	124	13	5	62	--	251	--
Services		30,173	11,532	2,176	193	5,454	1,623	784	212	446	1,021	6,730	--
Private households		1,156	9	--	--	11	4	1	5	63	1,021	40	--
Other service industries		29,017	11,523	2,176	193	5,443	1,619	783	207	383	--	6,690	--
Public administration		5,103	997	661	2	1,797	274	75	65	121	--	1,111	--

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			
	Feb. 1981				Feb. 1982		Paid absences ²		Unpaid absences^{2}
			Feb. 1981	Feb. 1982			Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982
Total, 16 years and over	4,116	4,059	3,897	3,845	1,559	1,496	1,753	1,676
Vacation	1,178	1,096	1,122	1,338	743	560	241	223
Illness	1,622	1,492	1,572	1,454	613	608	814	702
Bad weather	314	396	254	302	--	--	--	--
Industrial dispute	48	17	47	17	--	--	--	--
All other reasons	954	1,058	901	1,015	206	228	598	745
Males, 16 years and over	2,362	2,297	2,169	2,097	926	851	974	805
Vacation	713	652	666	535	466	402	108	101
Illness	898	779	856	756	347	328	423	341
All other reasons ³	752	855	647	737	114	121	344	363
Females, 16 years and over	1,754	1,761	1,728	1,748	634	645	880	871
Vacation	466	444	456	443	279	258	134	128
Illness	724	713	716	709	263	279	392	361
All other reasons ³	565	605	555	537	93	108	354	382

¹ Excludes private household workers.

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

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

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

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

Hours of work	February 1982					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	93,837	31,248	2,639	100.0	100.0	100.0
1-34 hours	26,117	25,225	833	27.8	27.6	33.8
1-4 hours	851	822	29	.9	.9	1.1
5-14 hours	4,757	4,519	239	5.1	5.0	9.1
15-28 hours	12,116	11,668	448	12.9	12.8	17.0
30-34 hours	8,393	8,216	177	8.9	9.0	6.7
35 hours and over	67,759	66,023	1,745	72.2	72.4	66.2
35-39 hours	5,501	6,439	162	7.0	7.1	6.1
40 hours	39,438	38,955	483	42.0	42.7	18.3
41 hours and over	21,730	20,629	1,101	23.1	22.6	41.7
41 to 48 hours	8,537	8,288	249	9.1	9.1	9.4
49 to 59 hours	7,750	7,418	332	8.3	8.1	12.6
60 hours and over	5,443	4,923	520	5.8	5.4	19.7
Average hours, total at work	37.7	37.6	41.0	--	--	--
Average hours, workers on full time schedules	42.3	42.2	43.3	--	--	--

HOUSEHOLD DATA

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	February 1982					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total, 16 years and over	26,117	9,335	16,783	25,225	8,945	16,280
Economic reasons	5,540	2,379	3,151	5,289	2,232	3,057
Slack work	3,262	2,153	1,109	3,046	2,009	1,037
Material shortages or repairs to plant and equipment	40	40	--	40	40	--
New job started during week	106	105	--	106	105	--
Job terminated during week	80	30	--	77	77	--
Could find only part-time work	2,052	--	2,052	2,021	--	2,021
Other reasons	20,576	6,954	13,622	19,935	6,712	13,223
Does not want, or unavailable for, full-time work	11,354	--	11,354	11,064	--	11,064
Vacation	773	773	--	768	768	--
Illness	1,936	1,775	161	1,906	1,750	146
Bad weather	1,059	1,059	--	891	891	--
Industrial dispute	5	5	--	5	5	--
Legal or religious holiday	2,053	2,053	--	2,050	2,050	--
Full time for this job	1,479	--	1,479	1,427	--	1,427
All other reasons	1,319	1,290	629	1,825	1,238	587
Average hours:						
Economic reasons	22.1	25.0	20.0	22.3	25.3	20.1
Other reasons	21.4	27.3	18.4	21.5	27.5	18.4
Worked 30 to 34 hours:						
Economic reasons	1,831	1,150	631	1,785	1,126	659
Other reasons	6,562	4,259	2,293	5,431	4,203	2,228

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

[Numbers in thousands]

Industry	February 1982								Average hours, total at work	Average hours, workers on full-time schedules
	Full- or part-time status									
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total, 16 years and over ¹	91,248	5,239	13,223	72,735	52,107	8,288	12,341	37.5	42.2	
Wage and salary workers	84,474	4,594	11,896	67,984	49,786	7,791	10,407	37.5	41.8	
Construction	3,948	390	156	3,402	2,629	302	471	37.7	40.4	
Manufacturing	19,520	959	627	17,934	13,559	2,394	1,981	39.9	41.3	
Durable goods	11,685	436	239	11,040	8,428	1,419	1,193	40.3	41.2	
Nondurable goods	7,835	554	388	6,893	5,129	975	789	39.2	41.4	
Transportation and public utilities	5,891	214	358	5,319	3,787	608	924	40.5	42.8	
Wholesale and retail trade	17,382	1,439	4,344	11,539	7,529	1,651	2,419	35.3	43.0	
Finance, insurance, and real estate	5,651	129	492	5,030	3,966	425	639	38.5	40.7	
Service industries	26,129	1,363	5,593	19,173	14,183	1,819	3,171	35.5	41.7	
Private households	1,058	179	567	313	213	33	67	22.6	43.9	
All other industries	25,071	1,185	5,026	18,860	13,970	1,786	3,104	36.1	41.7	
Public administration	4,957	75	311	4,571	3,602	465	504	39.0	40.8	
Self-employed workers	6,408	575	1,171	4,551	2,195	492	1,883	39.2	47.7	
Unpaid family workers	357	19	156	192	126	15	50	34.3	45.3	

¹ Includes mining, not shown separately.

HOUSEHOLD DATA

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

[Numbers in thousands]

Sex, age, race, and marital status	February 1982							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	91,243	5,289	13,223	72,736	52,107	20,629	37.6	42.2
16 to 21 years	10,155	931	4,339	4,895	3,987	898	28.1	40.2
16 to 19 years	5,530	538	3,240	1,812	1,510	302	23.7	39.5
16 to 17 years	2,084	99	1,790	195	162	33	16.6	38.2
18 to 19 years	3,505	439	1,450	1,516	1,346	270	27.9	39.7
20 years and over	85,558	4,751	9,983	70,924	50,597	20,327	38.5	42.2
20 to 24 years	12,615	960	2,059	9,596	7,343	2,253	36.1	41.2
25 years and over	73,942	3,790	7,924	61,328	43,254	18,074	38.9	42.5
25 to 44 years	45,826	2,419	4,269	39,138	27,182	11,956	39.3	42.5
45 to 64 years	24,877	1,263	2,510	21,104	15,320	5,784	39.0	42.2
65 years and over	2,340	109	1,145	1,086	752	334	29.2	43.0
Males, 16 years and over	50,821	2,426	3,970	44,425	28,910	15,515	40.5	43.5
16 to 21 years	5,132	424	2,018	2,690	2,052	638	29.7	40.9
16 to 19 years	2,806	253	1,568	985	756	229	24.9	40.3
16 to 17 years	1,040	50	873	117	98	19	17.7	38.1
18 to 19 years	1,767	233	695	359	659	210	29.1	40.6
20 years and over	48,014	2,172	2,433	43,439	23,153	15,286	41.4	43.6
20 to 24 years	6,510	466	822	5,222	3,677	1,545	37.9	42.3
25 years and over	41,504	1,706	1,581	33,217	24,477	13,740	42.0	43.7
25 to 44 years	25,833	1,115	571	24,147	15,112	9,035	42.5	44.0
45 to 64 years	14,317	532	419	13,366	8,907	4,459	42.0	43.4
65 years and over	1,354	59	591	704	455	248	31.1	43.7
Females, 16 years and over	40,427	2,863	9,253	28,311	23,197	5,114	33.9	40.1
16 to 21 years	5,023	507	2,321	2,195	1,935	260	26.4	39.2
16 to 19 years	2,733	286	1,672	825	751	74	22.4	38.6
16 to 17 years	1,045	50	917	78	64	14	15.5	38.2
18 to 19 years	1,739	236	755	748	687	61	26.6	38.6
20 years and over	37,644	2,578	7,581	27,485	22,444	5,041	34.7	40.1
20 to 24 years	6,105	495	1,237	4,373	3,665	708	34.1	39.9
25 years and over	31,539	2,082	6,344	23,113	18,780	4,333	34.8	40.2
25 to 44 years	19,992	1,332	3,698	14,992	12,071	2,921	35.2	40.2
45 to 64 years	10,559	732	2,092	7,735	6,411	1,324	34.9	40.1
65 years and over	987	48	554	385	298	87	26.5	41.9
RACE								
White	80,558	4,448	12,998	64,322	44,922	19,100	37.7	42.4
Males	45,422	2,061	3,625	39,736	25,285	14,451	40.7	43.7
Females	35,146	2,387	8,473	24,286	19,637	4,649	33.8	40.2
Black and other	10,681	841	1,125	8,715	7,186	1,529	36.8	40.6
Males	5,399	364	345	4,690	3,628	1,062	38.8	41.7
Females	5,282	476	780	4,326	3,560	466	34.8	39.4
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	34,535	1,297	1,118	32,220	20,320	11,900	42.3	43.8
Widowed, divorced, or separated	4,486	236	217	3,973	2,585	1,388	41.0	43.7
Single (never married)	11,700	833	2,635	9,232	6,006	2,226	35.2	42.2
Females, 16 years and over:								
Married, spouse present	22,426	1,554	5,413	15,459	12,815	2,644	33.9	40.0
Widowed, divorced, or separated	8,085	611	1,085	6,399	5,075	1,324	36.3	40.3
Single (never married)	9,917	737	2,754	6,456	5,309	1,147	32.0	40.0

HOUSEHOLD DATA

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

[Numbers in thousands]

Occupation and sex	February 1982								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	91,703	5,334	13,298	73,076	52,308	8,334	12,434	37.5	42.2
White-collar workers	51,053	1,695	7,389	41,974	29,073	3,538	8,363	38.4	42.5
Professional and technical	16,437	392	2,092	13,963	9,467	1,574	2,922	39.1	42.8
Managers and administrators, except farm	10,788	170	564	10,054	5,278	1,230	3,546	44.3	46.1
Sales workers	6,121	394	1,470	4,257	2,680	513	1,064	35.8	43.3
Clerical workers	17,712	739	3,273	13,700	11,548	1,221	831	35.2	39.6
Blue-collar workers	27,682	2,196	1,828	23,658	17,449	3,084	3,125	38.7	41.5
Craft and kindred workers	11,414	694	399	10,321	7,304	1,574	1,443	39.9	41.9
Operatives, except transport	9,337	870	512	7,955	6,373	928	654	38.2	40.7
Transport equipment operatives	3,229	249	266	2,714	1,628	327	759	40.3	44.3
Nonfarm laborers	3,702	383	650	2,569	2,145	255	269	34.3	40.3
Service workers	12,968	1,443	4,081	7,444	5,786	712	946	31.9	41.6
Private household	963	160	511	297	203	34	60	23.1	43.8
Other service workers	11,999	1,283	3,571	7,145	5,581	578	886	32.6	41.5
Males, 16 years and over	51,120	2,458	3,990	44,572	29,051	5,692	9,929	40.5	43.5
White-collar workers	23,718	532	1,543	21,643	12,545	2,546	6,452	42.7	44.9
Professional and technical	8,939	137	538	8,254	5,118	947	2,199	42.4	44.3
Managers and administrators, except farm	7,875	128	226	7,522	3,588	941	2,993	45.9	47.1
Sales workers	3,415	130	384	2,301	1,504	381	915	41.0	44.9
Clerical workers	3,489	136	396	2,957	2,234	378	345	38.0	41.4
Blue-collar workers	22,451	1,585	1,289	19,577	13,395	2,563	2,919	39.3	42.1
Craft and kindred workers	10,615	638	306	9,671	6,806	1,475	1,390	40.1	42.0
Operatives, except transport	5,628	408	284	4,936	3,753	538	545	39.2	41.5
Transport equipment operatives	2,934	213	155	2,566	1,515	315	736	41.9	45.1
Nonfarm laborers	3,273	326	544	2,403	1,919	236	248	34.5	40.3
Service workers	4,951	341	1,158	3,452	2,511	383	558	35.6	42.8
Private household	40	8	20	12	9	2	1	22.6	38.2
Other service workers	4,911	334	1,139	3,438	2,500	381	557	35.7	42.8
Females, 16 years and over	40,588	2,874	3,307	28,407	23,261	2,641	2,505	33.9	40.1
White-collar workers	27,340	1,163	5,846	20,331	16,530	1,891	1,910	34.7	40.1
Professional and technical	7,493	255	1,544	5,730	4,350	527	723	35.2	40.6
Managers and administrators, except farm	2,912	42	338	2,532	1,690	289	553	40.2	43.1
Sales workers	2,705	263	1,085	1,358	1,077	132	149	29.2	40.1
Clerical workers	14,224	602	2,878	10,744	9,414	843	487	34.5	39.1
Blue-collar workers	5,231	610	538	4,083	3,456	421	206	36.0	39.7
Craft and kindred workers	799	56	93	550	498	99	53	36.9	40.5
Operatives, except transport	3,703	462	228	3,019	2,619	291	109	36.7	39.4
Transport equipment operatives	295	37	111	147	113	12	22	29.7	41.0
Nonfarm laborers	423	56	107	265	225	19	21	32.4	40.2
Service workers	8,017	1,101	2,923	3,993	3,275	329	389	29.6	40.5
Private household	929	152	491	286	193	33	60	23.1	44.0
Other service workers	7,088	949	2,432	3,707	3,080	297	330	30.4	40.3

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

[Numbers in thousands]

Employment status	February 1982								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,222	3,576	3,546	5,966	3,052	2,914	1,256	624	632
Civilian labor force	1,023	498	525	973	469	504	50	29	21
Employed	863	407	461	843	393	450	25	14	11
Agriculture	53	41	12	50	38	12	3	3	--
Nonagricultural industries	815	366	450	793	355	439	22	11	11
Unemployed	154	91	64	130	76	54	25	15	10
Unemployment rate	15.1	18.3	12.2	13.4	15.2	10.7	(1)	(1)	(1)
Not in labor force	6,200	3,178	3,021	4,993	2,583	2,410	1,207	595	611
Keeping house	31	6	25	24	4	20	7	2	5
Going to school	6,063	3,103	2,950	4,884	2,523	2,362	1,178	580	599
Unable to work	4	1	2	2	1	1	2	1	1
All other reasons	102	63	34	83	55	28	19	13	6

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	February 1982					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	868	407	461	100.0	100.0	100.0
Nonagricultural industries	815	366	450	93.9	89.9	97.4
Wage and salary workers	729	305	424	83.9	74.9	91.8
Private household workers	321	39	282	36.9	9.6	61.0
Government workers	27	16	11	3.1	3.9	2.4
Other wage and salary workers	381	250	131	43.8	61.4	28.4
Self-employed workers	82	57	25	9.4	14.0	5.4
Unpaid family workers	5	4	1	.6	1.0	.2
Agriculture	53	41	12	6.1	10.1	2.6
Wage and salary workers	24	20	4	2.8	4.9	.9
Self-employed workers	3	2	1	.3	.5	.2
Unpaid family workers	26	19	7	3.0	4.7	1.5
OCCUPATION						
Total	868	407	461	100.0	100.0	100.0
White-collar workers	271	181	90	31.3	44.5	19.5
Professional and technical	13	3	10	1.5	.7	2.2
Managers and administrators, except farm	--	1	--	--	.2	--
Sales workers	219	158	61	25.3	38.8	13.2
Clerical workers	39	19	20	4.5	4.7	4.3
Blue-collar workers	90	81	8	10.4	19.9	1.7
Craft and kindred workers	6	6	--	.7	1.5	--
Operatives, except transport	19	14	4	2.2	3.4	.9
Transport equipment operatives	5	5	--	.6	1.2	--
Nonfarm laborers	59	56	4	6.8	13.3	.9
Service workers	458	105	353	52.8	25.8	76.4
Private household workers	306	19	287	35.3	4.7	62.1
Other service workers	152	86	66	17.5	21.1	14.3
Farm workers	50	40	10	5.8	9.8	2.2
Farmers and farm managers	2	2	1	.2	.5	.2
Farm laborers and supervisors	47	38	9	5.4	9.3	1.9

HOUSEHOLD DATA
SEASONALLY ADJUSTED

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

(Numbers in thousands)

Employment status, sex, and age	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
TOTAL														
Total noninstitutional population ¹	171,400	171,581	171,773	171,956	172,172	172,385	172,559	172,753	172,366	173,155	173,330	173,495	173,657	
Armed Forces ¹	2,121	2,128	2,129	2,127	2,131	2,139	2,160	2,165	2,158	2,158	2,164	2,159	2,168	
Civilian noninstitutional population ¹	169,280	169,453	169,644	169,829	170,042	170,246	170,399	170,593	170,208	170,997	171,166	171,335	171,489	
Civilian labor force	138,034	138,364	138,777	139,293	139,434	139,688	139,818	139,494	139,312	139,272	139,184	138,879	139,165	
Percent of civilian population	63.8	63.9	64.1	64.4	63.8	63.8	63.9	63.5	63.8	63.9	63.9	63.5	63.7	
Employed	100,069	100,406	100,878	101,045	100,430	100,864	100,840	100,253	100,343	100,172	99,613	99,581	99,590	
Percent of total population	58.4	58.5	58.7	58.8	58.3	58.5	58.4	58.0	58.0	57.9	57.5	57.4	57.3	
Agriculture	3,346	3,343	3,470	3,405	3,348	3,342	3,404	3,358	3,379	3,372	3,209	3,411	3,373	
Nonagricultural industries	96,723	97,063	97,403	97,640	97,082	97,522	97,436	96,900	96,965	96,800	96,404	96,170	96,217	
Unemployed	7,965	7,958	7,899	8,248	8,004	7,824	7,973	8,236	8,559	9,100	9,571	9,298	9,575	
Unemployment rate	7.4	7.3	7.3	7.5	7.4	7.2	7.3	7.6	8.0	8.3	8.8	8.5	8.8	
Not in labor force	61,246	61,089	60,864	60,535	61,608	61,558	61,581	62,099	61,797	61,724	61,982	62,456	62,324	
Males, 20 years and over														
Total noninstitutional population ¹	73,607	73,710	73,817	73,924	74,045	74,164	74,268	74,382	74,502	74,610	74,714	74,813	74,906	
Civilian noninstitutional population ¹	71,951	72,037	72,142	72,251	72,359	72,472	72,559	72,670	72,795	72,921	73,020	73,120	73,209	
Civilian labor force	56,816	57,028	57,157	57,479	57,394	57,172	57,250	57,262	57,355	57,459	57,665	57,368	57,448	
Percent of civilian population	79.0	79.2	79.2	79.6	78.9	78.9	78.9	78.8	79.8	79.8	79.0	78.5	78.5	
Employed	53,383	53,618	53,820	53,884	53,597	53,874	53,791	53,693	53,504	53,354	53,122	53,047	53,097	
Percent of total population	72.5	72.7	72.9	72.9	72.4	72.6	72.4	72.2	71.8	71.5	71.1	70.9	70.9	
Agriculture	2,349	2,352	2,419	2,390	2,379	2,383	2,422	2,383	2,413	2,382	2,311	2,330	2,335	
Nonagricultural industries	51,034	51,266	51,401	51,494	51,218	51,491	51,369	51,310	51,091	50,972	50,811	50,657	50,711	
Unemployed	3,433	3,410	3,337	3,595	3,497	3,298	3,459	3,569	3,351	4,105	4,543	4,322	4,351	
Unemployment rate	6.0	6.0	5.8	6.3	6.1	5.8	6.0	6.2	6.7	7.1	7.9	7.5	7.6	
Not in labor force	15,135	15,009	14,985	14,772	15,265	15,300	15,309	15,408	15,440	15,462	15,355	15,752	15,761	
Females, 20 years and over														
Total noninstitutional population ¹	81,107	81,221	81,333	81,453	81,583	81,711	81,822	81,946	82,074	82,193	82,306	82,415	82,523	
Civilian noninstitutional population ¹	80,966	81,076	81,193	81,303	81,434	81,561	81,671	81,792	81,920	82,038	82,151	82,260	82,367	
Civilian labor force	41,974	42,152	42,332	42,603	42,581	42,682	42,666	42,344	42,831	42,987	42,888	42,869	43,031	
Percent of civilian population	51.8	52.0	52.1	52.4	52.3	52.3	52.2	51.9	52.3	52.4	52.2	52.1	52.2	
Employed	39,211	39,365	39,536	39,737	39,757	39,810	39,841	39,426	39,314	39,878	39,713	39,764	39,744	
Percent of total population	48.3	48.5	48.6	48.8	48.7	48.7	48.7	48.1	48.5	48.5	48.3	48.2	48.2	
Agriculture	616	610	609	605	585	590	609	593	595	635	572	649	623	
Nonagricultural industries	38,595	38,755	38,927	39,132	39,172	39,220	39,232	38,813	39,218	39,243	39,141	39,115	39,115	
Unemployed	2,763	2,787	2,796	2,871	2,824	2,872	2,825	2,913	3,017	3,109	3,175	3,104	3,286	
Unemployment rate	6.6	6.6	5.6	6.7	6.6	6.7	6.5	6.9	7.0	7.2	7.4	7.2	7.6	
Not in labor force	38,992	38,924	38,861	33,730	33,853	38,879	39,005	39,448	39,089	39,051	39,263	39,332	39,336	
Both sexes, 16-19 years														
Total noninstitutional population ¹	16,686	16,650	16,615	16,579	16,544	16,513	16,469	16,429	16,390	16,351	16,313	16,269	16,228	
Civilian noninstitutional population ¹	16,363	16,341	16,305	16,273	16,249	16,213	16,169	16,131	16,093	16,037	15,995	15,955	15,913	
Civilian labor force	9,244	9,184	9,238	9,296	9,259	9,234	9,202	9,164	9,126	9,088	9,031	8,983	8,945	
Percent of civilian population	56.5	56.2	57.0	56.6	56.9	56.5	56.1	55.1	54.8	55.0	54.0	54.2	54.6	
Employed	7,475	7,423	7,522	7,424	7,376	7,180	7,203	7,139	7,025	6,940	6,778	6,771	6,748	
Percent of total population	44.8	44.6	45.3	44.8	44.5	43.5	43.8	43.5	42.9	42.4	41.6	41.6	41.6	
Agriculture	381	381	442	413	384	369	373	367	369	355	326	373	359	
Nonagricultural industries	7,094	7,042	7,080	7,014	6,992	6,811	6,835	6,772	6,656	6,585	6,452	6,398	6,389	
Unemployed	1,769	1,761	1,766	1,782	1,683	1,654	1,694	1,743	1,901	1,886	1,853	1,872	1,938	
Unemployment rate	19.1	19.2	19.3	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	
Not in labor force	7,119	7,157	7,317	7,064	7,490	7,379	7,257	7,243	7,267	7,211	7,364	7,312	7,227	

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.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[Numbers in thousands]

Full- and part-time status	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
FULL TIME														
Total, 16 years and over:														
Civilian labor force	92,209	92,519	92,325	93,324	92,526	92,971	92,778	92,801	93,359	93,607	93,356	93,129	93,421	
Employed	85,672	85,996	86,383	86,693	85,949	86,506	86,378	86,044	86,155	86,062	85,729	85,324	85,523	
Unemployed	6,537	6,553	6,442	6,631	6,577	6,365	6,403	6,757	7,204	7,545	8,127	7,805	7,937	
Unemployment rate	7.1	7.1	6.9	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	
PART TIME														
Total, 16 years and over:														
Civilian labor force	15,701	15,751	15,960	15,868	15,924	15,808	16,071	15,652	15,590	15,721	15,399	15,853	15,632	
Employed	14,268	14,319	14,499	14,350	14,462	14,337	14,525	14,160	14,198	14,125	13,982	14,337	13,951	
Unemployed	1,433	1,432	1,461	1,518	1,462	1,471	1,546	1,502	1,392	1,596	1,417	1,515	1,681	
Unemployment rate	9.1	9.1	9.2	9.6	9.2	9.3	9.6	9.6	9.5	10.2	9.2	9.6	10.8	

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

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

[Numbers in thousands]

Race, sex, and age	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
WHITE														
Total, 16 years and over:														
Civilian labor force	94,552	94,756	95,199	95,666	94,887	95,126	95,163	94,884	95,365	95,535	95,329	95,120	95,333	
Employed	88,388	88,553	89,080	89,237	88,799	89,170	89,221	88,623	88,734	88,498	88,010	87,955	87,990	
Unemployed	6,164	6,193	6,119	6,429	6,088	5,955	5,942	6,255	6,631	7,037	7,319	7,165	7,344	
Unemployment rate	6.5	6.4	6.4	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	
Males, 20 years and over:														
Civilian labor force	50,344	50,505	50,718	50,920	50,633	50,598	50,701	50,712	50,811	50,881	50,948	50,757	50,812	
Employed	47,633	47,314	48,070	48,092	47,939	48,157	48,050	47,948	47,790	47,649	47,449	47,410	47,430	
Unemployed	2,711	2,591	2,648	2,828	2,694	2,541	2,651	2,764	3,021	3,232	3,499	3,347	3,382	
Unemployment rate	5.4	5.3	5.2	5.6	5.3	5.0	5.2	5.5	5.9	6.4	6.9	6.6	5.7	
Females, 20 years and over:														
Civilian labor force	35,978	35,106	36,274	36,597	36,490	35,612	36,554	35,294	36,742	36,832	36,733	36,698	36,860	
Employed	33,939	34,061	34,197	34,422	34,404	34,481	34,534	34,155	34,517	34,513	34,368	34,380	34,427	
Unemployed	2,039	2,045	2,077	2,175	2,086	2,131	2,020	2,139	2,225	2,319	2,365	2,319	2,433	
Unemployment rate	5.7	5.7	5.7	5.9	5.7	5.8	5.5	5.9	6.1	6.3	6.4	6.3	6.6	
Both sexes, 16 to 19 years:														
Civilian labor force	8,230	8,145	8,207	8,149	7,764	7,816	7,908	7,878	7,312	7,322	7,548	7,665	7,662	
Employed	6,816	6,778	6,813	6,723	6,456	6,532	6,637	6,525	6,427	6,336	6,193	6,166	6,133	
Unemployed	1,414	1,367	1,394	1,426	1,308	1,284	1,271	1,353	1,385	1,486	1,455	1,499	1,529	
Unemployment rate	17.2	16.8	17.0	17.5	16.8	16.4	16.1	17.2	17.7	19.0	19.0	19.6	20.0	
BLACK AND OTHER														
Total, 16 years and over:														
Civilian labor force	13,476	13,586	13,633	13,649	13,565	13,539	13,632	13,617	13,697	13,757	13,773	13,704	13,857	
Employed	11,697	11,742	11,827	11,781	11,643	11,572	11,624	11,607	11,611	11,661	11,610	11,532	11,653	
Unemployed	1,779	1,844	1,806	1,868	1,922	1,867	2,008	2,010	2,086	2,096	2,163	2,072	2,204	
Unemployment rate	13.2	13.6	13.2	13.7	14.2	13.8	14.7	14.3	15.2	15.2	15.7	15.1	15.9	
Males, 20 years and over:														
Civilian labor force	6,477	6,517	6,498	6,547	6,479	6,484	6,556	6,551	6,573	6,595	6,514	6,563	6,649	
Employed	5,766	5,800	5,796	5,779	5,682	5,722	5,745	5,715	5,711	5,694	5,547	5,630	5,688	
Unemployed	711	717	702	768	797	762	811	836	862	901	967	933	961	
Unemployment rate	11.0	11.0	10.8	11.7	12.3	11.8	12.4	12.9	13.1	13.7	14.6	14.2	14.5	
Females, 20 years and over:														
Civilian labor force	5,981	6,032	6,057	6,041	6,081	5,362	6,087	5,085	6,096	6,147	6,163	6,152	6,153	
Employed	5,274	5,285	5,337	5,305	5,340	5,321	5,313	5,281	5,301	5,359	5,355	5,338	5,338	
Unemployed	707	747	720	736	741	741	774	804	795	788	808	764	826	
Unemployment rate	11.8	12.4	11.9	12.2	12.2	12.2	12.7	13.2	13.0	12.8	13.1	12.4	13.4	
Both sexes, 16 to 19 years:														
Civilian labor force	1,018	1,037	1,078	1,061	1,005	993	989	981	1,028	1,015	996	989	1,044	
Employed	657	657	694	697	621	629	566	611	599	608	608	614	627	
Unemployed	361	380	384	364	384	364	423	370	429	407	388	375	417	
Unemployment rate	35.5	36.6	35.6	34.3	38.2	36.7	42.8	37.7	41.7	40.1	39.0	37.9	39.9	

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Category	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
CHARACTERISTIC														
Total (all civilian workers)	7.4	7.3	7.3	7.5	7.4	7.2	7.3	7.5	8.0	8.3	8.8	8.5	8.8	
Males, 20 years and over	6.0	6.0	5.8	5.3	6.1	5.8	6.0	5.2	5.7	7.1	7.9	7.5	7.5	
Females, 20 years and over	6.5	6.6	6.6	6.7	6.6	5.7	6.6	5.9	7.0	7.2	7.4	7.2	7.6	
Both sexes, 16-19 years	19.1	19.2	19.0	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3	
White	6.5	6.4	6.4	6.7	6.4	6.3	6.2	6.6	7.0	7.4	7.7	7.5	7.7	
Black and other	13.2	13.6	13.2	13.7	14.2	13.8	14.7	14.8	15.2	15.2	15.7	15.1	15.9	
Married men, spouse present	4.1	4.1	3.8	4.0	4.2	3.9	4.0	4.4	4.8	5.2	5.7	5.3	5.3	
Married women, spouse present	5.8	5.9	5.9	5.8	5.7	5.7	5.5	5.0	6.1	6.5	6.6	6.2	7.0	
Women who maintain families	9.8	9.6	9.9	10.4	10.7	11.2	10.1	10.7	10.6	10.8	10.5	10.4	10.2	
Full-time workers	7.1	7.1	6.9	7.1	7.1	6.8	6.9	7.3	7.7	8.1	8.7	8.4	8.5	
Part-time workers	9.1	9.1	9.2	9.5	9.2	9.3	9.6	9.5	9.5	10.2	9.2	9.6	10.3	
Unemployed 15 weeks and over ¹	2.1	2.1	2.0	2.0	2.2	2.0	2.0	2.1	2.1	2.2	2.2	2.2	2.5	
Labor force time lost ²	8.2	8.2	8.2	8.6	7.9	7.9	7.9	8.5	9.1	9.5	10.1	10.0	9.3	
OCCUPATION														
White-collar workers	3.8	3.9	4.0	4.0	3.9	4.0	3.9	4.1	4.1	4.2	4.5	4.2	4.5	
Professional and technical	2.5	2.7	3.1	2.8	2.8	2.8	2.5	2.9	2.6	2.7	3.4	2.9	3.1	
Managers and administrators, except farm	2.5	2.5	2.4	2.6	2.7	2.6	2.7	2.7	2.8	3.0	3.1	2.7	3.1	
Sales workers	4.1	4.1	4.2	4.6	4.3	4.9	4.7	5.0	4.9	5.0	4.9	4.5	4.8	
Clerical workers	5.4	5.7	5.6	5.5	5.4	5.7	5.7	5.8	6.0	6.0	6.2	6.3	6.7	
Blue-collar workers	10.2	10.0	9.7	9.9	9.8	9.5	9.5	10.2	10.9	11.8	12.7	12.5	12.5	
Craft and kindred workers	7.1	7.1	6.8	7.2	7.1	6.9	7.0	7.7	8.3	8.5	9.3	9.0	8.4	
Operatives, except transport	12.1	11.7	11.6	11.8	11.1	11.1	11.5	12.8	14.1	15.5	15.4	15.4	15.4	
Transport equipment operatives	8.6	9.1	8.1	8.2	8.1	7.3	8.0	8.7	3.0	10.4	10.5	10.2	10.3	
Nonfarm laborers	14.9	14.2	14.0	13.5	14.7	14.4	13.2	14.5	15.6	16.0	16.9	16.9	17.9	
Service workers	8.7	8.3	8.5	9.4	8.9	8.0	8.9	9.0	9.3	9.7	9.6	9.2	9.8	
Farm workers	4.3	5.2	3.9	5.2	6.2	4.8	5.4	4.0	6.2	6.2	6.4	6.9	4.9	
INDUSTRY														
Nonagricultural private wage and salary workers ³	7.6	7.5	7.3	7.7	7.4	7.2	7.3	7.7	3.1	8.4	9.1	8.8	9.0	
Construction	13.7	14.7	14.5	15.7	16.1	15.2	16.2	16.3	17.6	17.8	18.1	18.7	18.1	
Manufacturing	8.5	8.1	7.6	7.8	7.4	7.3	7.0	7.9	8.6	9.4	11.0	10.4	10.5	
Durable goods	8.7	8.0	7.5	7.4	7.1	7.1	6.5	7.7	8.6	9.5	11.8	11.0	11.3	
Nondurable goods	8.3	8.3	7.8	8.6	7.9	7.6	7.9	8.3	8.6	9.3	9.6	9.5	9.5	
Transportation	5.4	6.1	5.5	5.7	4.9	4.1	4.8	4.2	4.8	5.5	6.0	6.4	5.3	
Wholesale and retail trade	7.7	7.6	7.5	8.3	7.7	7.9	7.9	8.5	8.4	8.6	8.9	8.7	9.0	
Finance and service industries	5.9	5.6	5.8	5.8	5.9	5.7	5.7	6.0	6.2	6.1	6.4	5.9	6.5	
Government workers	4.3	4.6	4.7	4.7	4.5	4.5	4.5	4.7	4.7	5.2	5.0	4.8	5.2	
Agricultural wage and salary workers	11.9	12.1	9.4	11.0	13.3	10.7	12.0	11.0	13.4	14.1	14.8	16.2	12.8	

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.

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

[Numbers in thousands]

Weeks of unemployment	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	
DURATION														
Less than 5 weeks	3,267	3,277	3,189	3,378	3,303	3,323	3,326	3,529	3,707	3,852	4,037	3,852	3,789	
5 to 14 weeks	2,379	2,408	2,472	2,606	2,423	2,312	2,469	2,585	2,586	2,882	3,016	3,068	3,052	
15 weeks and over	2,322	2,269	2,137	2,231	2,363	2,170	2,217	2,248	2,292	2,364	2,372	2,399	2,724	
15 to 28 weeks	1,072	1,057	1,048	1,061	1,227	1,096	1,078	1,146	1,166	1,229	1,199	1,210	1,445	
27 weeks and over	1,250	1,212	1,139	1,170	1,136	1,074	1,139	1,102	1,126	1,135	1,183	1,190	1,278	
Average (mean) duration, in weeks	14.1	13.9	13.7	13.3	14.3	14.1	14.3	13.7	13.6	13.1	12.8	13.5	14.1	
Median duration, in weeks	7.0	7.1	7.6	7.3	6.7	7.0	7.0	6.9	6.8	6.9	6.7	7.2	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	41.0	41.2	40.6	41.1	40.8	42.6	41.5	42.2	42.7	42.3	42.8	41.3	39.5	
5 to 14 weeks	29.9	30.3	31.5	31.7	30.0	29.6	30.8	30.9	30.9	31.7	32.0	32.9	31.9	
15 weeks and over	29.1	28.5	27.9	27.2	29.2	27.8	27.7	26.9	26.4	26.0	25.2	25.7	28.5	
15 to 28 weeks	13.5	13.3	13.4	12.9	15.2	14.0	13.5	13.7	13.4	13.5	12.6	13.0	15.1	
27 weeks and over	15.7	15.2	14.5	14.2	14.0	13.8	14.2	13.2	13.0	12.5	12.6	12.8	13.4	

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

Sex and age	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	7.4	7.3	7.3	7.5	7.4	7.2	7.3	7.5	8.0	8.3	8.8	8.5	8.8
16 to 19 years	19.1	19.2	19.0	19.4	19.2	18.7	19.0	19.7	20.4	21.4	21.5	21.7	22.3
16 to 17 years	21.3	21.4	21.6	21.3	22.6	19.8	20.8	21.4	21.5	22.6	21.9	21.9	22.7
18 to 19 years	17.7	17.6	17.2	17.7	17.5	17.8	17.6	18.5	20.0	20.5	21.2	21.3	22.0
20 to 24 years	11.3	11.8	12.0	12.6	12.1	11.5	12.1	12.3	12.7	13.0	13.5	13.5	14.1
25 years and over	5.2	5.2	5.1	5.2	5.3	5.2	5.2	5.4	5.7	6.0	6.5	6.3	5.4
25 to 54 years	5.5	5.6	5.4	5.5	5.6	5.5	5.5	5.8	6.2	6.5	6.9	6.7	6.8
55 years and over	3.5	3.6	3.4	3.4	3.5	3.5	3.5	3.8	3.8	3.8	4.1	4.2	4.3
Males, 16 years and over	7.2	7.1	6.9	7.3	7.2	6.7	7.1	7.3	7.7	8.3	9.0	8.6	8.7
16 to 19 years	20.0	19.8	19.5	20.0	20.0	19.8	19.8	19.9	20.1	21.8	22.3	22.1	22.5
16 to 17 years	22.1	21.7	22.5	22.3	24.0	19.9	21.5	21.5	21.1	22.7	22.6	23.0	23.0
18 to 19 years	18.5	18.5	17.4	18.0	18.2	17.3	18.3	18.7	19.3	21.0	22.2	21.4	22.1
20 to 24 years	12.9	13.0	13.0	13.8	12.9	11.6	12.9	13.1	13.8	14.4	14.8	14.9	15.4
25 years and over	4.9	4.8	4.6	4.7	5.0	4.7	4.9	5.0	5.5	5.8	6.5	6.3	6.3
25 to 54 years	5.2	5.1	4.9	5.1	5.2	5.0	5.2	5.5	5.9	6.3	6.9	6.7	6.7
55 years and over	3.3	3.3	3.2	3.4	3.4	3.4	3.4	3.5	3.7	3.7	4.4	4.3	4.2
Females, 16 years and over	7.7	7.7	7.7	7.8	7.7	7.8	7.7	8.0	8.2	8.4	8.5	8.4	8.9
16 to 19 years	18.2	18.5	18.4	18.7	18.4	18.6	18.2	19.5	20.7	20.9	20.5	21.2	22.1
16 to 17 years	20.3	21.2	20.5	20.2	21.1	19.7	20.0	21.2	21.9	22.5	21.1	20.6	22.5
18 to 19 years	16.3	16.6	17.1	17.4	16.3	17.7	16.9	18.3	20.6	19.9	20.0	21.1	21.9
20 to 24 years	10.9	10.5	10.9	11.2	11.2	11.3	11.1	11.4	11.5	11.3	12.0	11.9	12.7
25 years and over	5.5	5.8	5.7	5.8	5.7	5.8	5.6	6.0	6.1	6.4	6.4	6.3	6.5
25 to 54 years	6.0	6.2	6.1	6.4	6.1	6.1	6.0	6.3	6.5	6.8	6.9	6.7	7.0
55 years and over	3.8	4.2	3.7	3.4	3.5	3.7	3.7	4.3	4.0	3.8	3.7	4.1	4.3

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

(Numbers in thousands)

Reason for unemployment	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
NUMBER OF UNEMPLOYED													
Both sexes, 16 years and over:													
Job losers	4,050	3,989	3,958	4,032	4,173	3,857	4,105	4,426	4,573	4,905	5,343	5,205	5,153
On layoff	1,312	1,323	1,303	1,357	1,302	1,225	1,276	1,452	1,531	1,826	2,042	1,860	1,740
Other job losers	2,738	2,666	2,655	2,675	2,871	2,642	2,830	2,974	2,942	3,079	3,301	3,345	3,413
Job leavers	911	901	933	1,004	896	926	879	921	976	916	923	835	964
Reentrants	2,020	2,069	2,044	2,106	2,039	2,078	2,334	2,058	2,178	2,339	2,244	2,079	2,277
New entrants	943	988	988	956	973	940	971	977	1,002	996	1,021	1,055	1,100
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	51.1	50.2	50.1	49.8	51.6	49.5	51.4	52.8	52.4	53.6	56.1	56.7	54.3
On layoff	16.6	16.6	16.5	15.3	16.1	15.7	15.0	17.3	18.7	19.9	21.4	20.3	18.3
Other job losers	34.6	33.5	33.6	33.0	35.5	33.8	35.4	35.5	33.7	33.6	34.6	36.5	35.9
Job leavers	11.5	11.3	11.4	12.4	11.1	11.9	11.0	11.0	11.2	10.0	9.7	9.1	10.2
Reentrants	25.5	26.0	25.9	25.0	25.2	25.6	25.5	24.6	25.0	25.5	23.5	22.7	24.0
New entrants	11.9	12.4	12.5	11.8	12.0	12.0	12.2	11.7	11.5	10.9	10.7	11.5	11.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.7	3.7	3.6	3.7	3.8	3.6	3.8	4.1	4.2	4.5	4.9	4.8	4.7
Job leavers .....	.8	.8	.8	.9	.8	.9	.8	.8	.9	.8	.8	.8	.9
Reentrants	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0	2.1	2.1	1.9	2.1
New entrants .....	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	1.0	1.0

HOUSEHOLD DATA SEASONALLY ADJUSTED

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

(In thousands)

Sex and age	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	100,069	100,406	100,878	101,045	100,430	100,864	100,840	100,258	100,343	100,172	99,613	99,581	99,593
16 to 19 years	7,475	7,423	7,522	7,424	7,076	7,180	7,208	7,139	7,025	6,940	6,773	5,771	6,748
16 to 17 years	2,997	2,976	3,312	2,949	2,739	2,835	2,840	2,835	2,769	2,768	2,703	2,705	2,690
18 to 19 years	4,477	4,453	4,210	4,484	4,350	4,326	4,345	4,326	4,260	4,192	4,088	4,055	4,367
20 to 24 years	14,137	14,166	14,178	14,178	14,094	14,264	14,194	14,385	14,373	13,970	13,935	13,816	13,788
25 years and over	78,424	78,807	79,193	79,462	79,330	79,464	79,453	79,029	79,228	79,202	78,881	78,969	79,345
25 to 54 years	63,940	64,246	64,565	64,793	64,754	64,930	65,014	64,676	64,829	64,868	64,567	64,722	64,853
55 years and over	14,474	14,552	14,596	14,640	14,542	14,535	14,471	14,372	14,377	14,337	14,332	14,282	14,158
Males, 16 years and over	57,331	57,531	57,792	57,733	57,279	57,640	57,551	57,471	57,266	57,051	56,725	56,629	56,658
16 to 19 years	3,948	3,913	3,972	3,909	3,682	3,766	3,760	3,778	3,762	3,697	3,603	3,582	3,561
16 to 17 years	1,605	1,577	1,582	1,543	1,412	1,498	1,501	1,533	1,522	1,495	1,448	1,446	1,439
18 to 19 years	2,347	2,343	2,374	2,379	2,260	2,261	2,257	2,265	2,241	2,208	2,163	2,134	2,123
20 to 24 years	7,504	7,532	7,521	7,531	7,433	7,646	7,562	7,523	7,449	7,373	7,380	7,321	7,239
25 years and over	45,843	46,097	46,330	46,374	46,168	46,253	46,244	45,153	46,346	45,940	45,709	45,686	45,786
25 to 54 years	37,038	37,274	37,452	37,563	37,448	37,507	37,565	37,519	37,406	37,364	37,092	37,127	37,235
55 years and over	8,792	8,825	8,841	8,814	8,729	8,736	8,679	8,658	8,621	8,590	8,608	8,582	8,523
Females, 16 years and over	42,738	42,875	43,086	43,252	43,151	43,224	43,289	42,737	43,077	43,121	42,888	42,952	42,932
16 to 19 years	3,527	3,510	3,550	3,515	3,394	3,414	3,448	3,361	3,263	3,243	3,175	3,189	3,187
16 to 17 years	1,392	1,399	1,430	1,406	1,297	1,337	1,339	1,303	1,247	1,273	1,255	1,259	1,251
18 to 19 years	2,130	2,110	2,122	2,105	2,090	2,065	2,089	2,063	2,019	1,984	1,925	1,931	1,944
20 to 24 years	6,633	6,634	6,557	6,647	6,611	6,618	5,632	5,553	6,629	6,597	6,555	6,495	6,500
25 years and over	32,581	32,710	32,880	33,088	33,162	33,211	33,209	32,863	33,182	33,262	33,172	33,274	33,259
25 to 54 years	26,902	26,972	27,113	27,238	27,306	27,423	27,449	27,157	27,423	27,504	27,475	27,595	27,618
55 years and over	5,682	5,727	5,755	5,826	5,813	5,799	5,792	5,714	5,756	5,747	5,724	5,701	5,635

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

(In thousands)

Sex and age	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
Total, 16 years and over	7,965	7,958	7,399	8,248	8,004	7,824	7,979	8,236	8,669	9,100	9,571	9,298	9,575
16 to 19 years	1,769	1,761	1,766	1,782	1,683	1,654	1,694	1,749	1,801	1,886	1,853	1,872	1,938
16 to 17 years	810	812	828	793	791	699	746	772	757	808	759	760	792
18 to 19 years	961	952	937	964	924	938	931	983	1,062	1,080	1,098	1,098	1,149
20 to 24 years	1,916	1,896	1,939	2,047	1,942	1,847	1,949	1,972	2,354	2,088	2,168	2,161	2,271
25 years and over	4,309	4,343	4,213	4,331	4,398	4,324	4,328	4,540	4,828	5,091	5,481	5,282	5,401
25 to 54 years	3,768	3,793	3,683	3,871	3,845	3,786	3,819	4,013	4,255	4,536	4,804	4,649	4,756
55 years and over	526	549	509	509	522	534	525	572	574	562	620	624	630
Males, 16 years and over	4,419	4,375	4,300	4,571	4,415	4,171	4,385	4,506	4,798	5,133	5,578	5,338	5,384
16 to 19 years	986	965	963	976	918	873	926	937	947	1,028	1,035	1,016	1,033
16 to 17 years	455	436	459	442	445	372	411	421	408	438	424	433	429
18 to 19 years	532	531	439	521	502	494	505	521	537	587	616	581	604
20 to 24 years	1,108	1,121	1,122	1,206	1,136	1,005	1,123	1,131	1,194	1,245	1,278	1,284	1,324
25 years and over	2,360	2,321	2,237	2,283	2,405	2,292	2,361	2,455	2,670	2,834	3,199	3,055	3,371
25 to 54 years	2,042	2,020	1,927	2,001	2,065	1,990	2,067	2,173	2,346	2,522	2,762	2,662	2,675
55 years and over	303	298	289	307	311	310	303	317	333	333	397	383	377
Females, 16 years and over	3,546	3,583	3,599	3,677	3,589	3,653	3,593	3,730	3,871	3,967	3,993	3,960	4,191
16 to 19 years	783	796	803	806	765	781	768	812	854	858	818	856	905
16 to 17 years	355	376	369	357	346	327	335	351	349	370	335	327	363
18 to 19 years	429	421	438	443	422	444	425	462	525	493	482	517	545
20 to 24 years	808	775	917	841	836	842	829	841	863	843	890	877	947
25 years and over	1,949	2,022	1,976	2,051	1,993	2,032	1,967	2,085	2,158	2,257	2,282	2,228	2,330
25 to 54 years	1,726	1,773	1,756	1,870	1,780	1,796	1,752	1,837	1,909	2,014	2,042	1,987	2,081
55 years and over	223	251	220	202	211	224	223	255	241	229	223	241	253

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

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

[In thousands]

Category	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.
CHARACTERISTIC													
Total, 16 years and over	100069	100406	100378	101045	100430	100864	100840	100258	100343	100172	99,613	99,581	99,590
Married men, spouse present	38,944	39,036	39,186	39,120	38,930	38,961	39,361	38,855	38,746	38,553	38,342	38,234	38,255
Married women, spouse present	23,824	23,920	23,979	24,192	24,106	24,159	24,043	23,626	23,874	23,820	23,691	23,744	23,727
OCCUPATION													
White-collar workers	52,739	52,850	52,355	53,316	52,957	52,907	53,141	52,908	53,199	53,086	53,084	52,836	52,841
Professional and technical	16,185	16,219	16,178	16,093	16,410	16,364	16,621	16,598	16,581	16,657	16,774	16,803	16,612
Managers and administrators, except farm	11,629	11,725	11,616	11,488	11,411	11,578	11,460	11,533	11,516	11,461	11,424	11,091	11,253
Sales workers	6,397	6,372	6,290	6,562	6,513	6,373	6,490	6,441	6,400	6,418	6,450	6,520	6,544
Clerical workers	18,528	18,544	18,771	18,873	18,623	18,592	18,570	18,335	18,502	18,550	18,436	18,423	18,432
Blue-collar workers	31,193	31,288	31,685	31,796	31,538	31,580	31,611	31,266	30,953	30,683	30,344	30,203	30,309
Craft and kindred workers	12,684	12,826	12,825	12,911	12,749	12,787	12,724	12,514	12,446	12,411	12,446	12,370	12,454
Operatives, except transport Transport equipment operatives	10,618	10,464	10,691	10,716	10,703	10,719	10,658	10,524	10,410	10,220	10,169	9,966	9,955
Nonfarm laborers	3,446	3,447	3,483	3,466	3,493	3,526	3,530	3,506	3,580	3,438	3,368	3,415	3,503
Service workers	4,445	4,551	4,686	4,703	4,593	4,548	4,599	4,722	4,517	4,614	4,361	4,451	4,397
Farm workers	13,347	13,478	13,468	13,470	13,214	13,526	13,282	13,391	13,525	13,670	13,639	13,709	13,612
Farm workers	2,728	2,730	2,826	2,748	2,710	2,727	2,753	2,743	2,770	2,802	2,660	2,817	2,797
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,389	1,331	1,560	1,499	1,437	1,495	1,501	1,461	1,502	1,436	1,352	1,377	1,426
Self-employed workers	1,637	1,638	1,661	1,654	1,664	1,593	1,538	1,643	1,531	1,641	1,602	1,674	1,596
Unpaid family workers	306	239	286	235	263	244	256	256	261	321	228	380	359
Nonagricultural industries:													
Wage and salary workers	89,104	89,592	89,913	90,402	89,508	89,971	89,395	89,376	89,460	89,238	88,991	88,759	88,585
Government	15,875	15,930	15,885	15,776	15,707	15,637	15,526	15,475	15,491	15,397	15,585	15,578	15,527
Private industries	73,229	73,662	74,028	74,626	73,801	74,334	74,459	73,901	73,969	73,841	73,406	73,181	73,059
Private households	1,190	1,242	1,249	1,192	1,177	1,216	1,259	1,102	1,162	1,204	1,291	1,248	1,161
Other industries	72,039	72,420	72,779	73,434	72,624	73,118	73,210	72,799	72,807	72,637	72,115	71,932	71,898
Self-employed workers	7,080	7,065	7,150	6,966	7,128	7,071	7,103	7,217	7,152	7,141	7,057	6,971	7,055
Unpaid family workers	384	374	325	356	376	389	387	399	451	425	410	410	408
PERSONS AT WORK¹													
Nonagricultural industries	91,287	91,405	91,394	91,745	91,500	92,532	91,569	91,878	91,384	91,323	90,922	90,125	90,892
Full-time schedules	74,482	74,453	74,259	74,871	74,693	75,620	74,467	73,794	73,886	73,915	73,360	72,803	73,028
Part-time for economic reasons	4,227	4,290	4,200	4,264	4,033	4,374	4,350	4,656	5,009	5,026	5,288	5,071	5,563
Usually work full-time	1,650	1,550	1,593	1,657	1,465	1,583	1,729	1,759	2,006	1,945	2,121	1,783	2,193
Usually work part-time	2,577	2,630	2,507	2,607	2,568	2,694	2,621	2,897	3,003	3,081	3,167	3,287	3,370
Part time for noneconomic reasons	12,578	12,562	12,535	12,610	12,774	12,538	12,752	12,428	12,489	12,382	12,274	12,251	12,303

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

HOUSEHOLD DATA

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	
Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	Feb. 1981	Feb. 1982	
VETERANS										
Total, 25 years and over	8,468	8,660	7,993	8,181	7,483	7,462	510	719	6.4	8.8
25 to 29 years	7,325	7,236	7,006	6,933	6,529	6,270	477	663	6.8	9.6
25 to 29 years	1,571	1,326	1,454	1,215	1,293	1,043	161	172	11.1	14.2
30 to 34 years	3,450	3,094	3,327	2,978	3,113	2,699	214	279	6.4	9.4
35 to 39 years	2,304	2,816	2,225	2,740	2,123	2,528	102	212	4.6	7.7
40 years and over	1,143	1,424	987	1,248	954	1,192	33	56	3.3	4.5
NONVETERANS										
Total, 25 to 39 years	16,855	17,832	15,921	16,894	14,769	15,373	1,152	1,521	7.2	9.0
25 to 29 years	7,738	8,053	7,257	7,596	6,643	6,745	614	851	8.5	11.2
30 to 34 years	5,243	5,786	4,982	5,515	4,644	5,085	338	430	6.8	7.8
35 to 39 years	3,874	3,993	3,682	3,783	3,482	3,543	200	240	5.4	6.3

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

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls by industry division, 1930 to date

(In thousands)

Year and month	Goods-producing					Service-producing									
	Total	Mining	Construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government			
							Total	Wholesale trade	Retail trade			Total	Federal	State and local	
Annual averages															
1930.....	29,409	11,958	1,009	1,387	9,562	17,451	3,685	5,797	-	-	1,460	3,361	3,148	526	2,622
1931.....	26,635	10,272	873	1,229	8,170	16,363	3,254	5,284	-	-	1,392	3,169	3,264	560	2,704
1932.....	23,615	8,647	731	985	6,931	14,968	2,816	4,683	-	-	1,326	2,918	3,225	559	2,666
1933.....	23,699	8,965	744	824	7,397	14,734	2,672	4,755	-	-	1,280	2,861	3,166	565	2,601
1934.....	25,940	10,261	883	877	8,501	15,679	2,750	5,281	-	-	1,304	3,045	3,299	652	2,647
1935.....	27,039	10,893	897	927	9,069	16,146	2,786	5,431	-	-	1,320	3,128	3,481	753	2,728
1936.....	29,068	11,933	946	1,160	9,827	17,135	2,973	5,809	-	-	1,373	3,312	3,668	826	2,842
1937.....	31,011	12,936	1,015	-1,127	10,794	18,075	3,134	6,265	-	-	1,417	3,503	3,756	833	2,923
1938.....	29,194	11,401	891	1,070	9,440	17,793	2,863	6,179	-	-	1,410	3,458	3,883	829	3,054
1939.....	30,603	12,297	854	1,165	10,278	18,306	2,936	6,426	1,762	4,664	1,447	3,502	3,995	905	3,090
1940.....	32,361	13,221	925	1,311	10,985	19,140	3,038	6,750	1,835	4,914	1,485	3,665	4,202	996	3,206
1941.....	36,539	15,963	957	1,814	13,192	20,574	3,274	7,210	1,960	5,251	1,525	3,905	4,660	1,340	3,320
1942.....	40,106	18,470	992	2,198	15,280	21,636	3,460	7,118	1,906	5,212	1,509	4,066	5,483	2,213	3,270
1943.....	42,434	20,114	925	1,587	17,602	22,320	3,647	6,982	1,822	5,160	1,481	4,130	6,080	2,905	3,175
1944.....	41,864	19,328	892	1,108	17,328	22,536	3,829	7,058	1,845	5,214	1,461	4,145	6,043	2,928	3,116
1945.....	40,374	17,507	836	1,147	15,524	22,867	3,906	7,314	1,949	5,365	1,481	4,222	5,944	2,808	3,137
1946.....	41,652	17,248	862	1,683	14,703	24,404	4,061	8,376	2,291	6,084	1,675	4,697	5,595	2,254	3,341
1947.....	43,857	18,509	955	2,009	15,545	25,348	4,166	8,955	2,471	6,485	1,728	5,025	5,474	1,892	3,582
1948.....	44,866	18,774	994	2,198	15,582	26,092	4,189	9,272	2,605	6,667	1,800	5,181	5,650	1,863	3,787
1949.....	43,754	17,565	930	2,194	14,441	26,189	4,001	9,264	2,602	6,662	1,828	5,240	5,856	1,908	3,948
1950.....	45,197	18,506	901	2,364	15,241	26,691	4,034	9,386	2,635	6,751	1,888	5,357	6,026	1,928	4,098
1951.....	47,819	19,959	929	2,637	16,393	27,860	4,226	9,742	2,727	7,015	1,956	5,547	6,389	2,302	4,087
1952.....	48,793	20,198	898	2,668	16,632	28,595	4,248	10,004	2,812	7,192	2,035	5,699	6,609	2,420	4,188
1953.....	50,202	21,074	866	2,659	17,549	29,128	4,290	10,247	2,854	7,393	2,111	5,835	6,645	2,305	4,340
1954.....	48,990	19,751	791	2,646	16,314	29,239	4,084	10,235	2,867	7,368	2,200	5,969	6,751	2,188	4,563
1955.....	50,641	20,513	792	2,839	16,882	30,128	4,141	10,535	2,926	7,610	2,298	6,240	6,914	2,187	4,727
1956.....	52,369	21,104	822	3,039	17,243	31,266	4,244	10,858	3,018	7,840	2,389	6,497	7,278	2,209	5,069
1957.....	52,853	20,964	828	2,962	17,174	31,889	4,241	10,886	3,028	7,858	2,438	6,708	7,616	2,217	5,399
1958.....	51,324	19,513	751	2,817	15,945	31,811	3,976	10,750	2,980	7,770	2,481	6,765	7,839	2,191	5,648
1959 ¹	53,268	20,411	732	3,004	16,675	32,857	4,011	11,127	3,082	8,045	2,549	7,087	8,083	2,233	5,850
1960.....	54,189	20,434	712	2,926	16,796	33,755	4,004	11,391	3,143	8,248	2,629	7,378	8,353	2,270	6,083
1961.....	53,999	19,857	672	2,859	16,326	34,142	3,903	11,337	3,133	8,204	2,688	7,620	8,594	2,279	6,315
1962.....	55,549	20,451	650	2,948	16,853	35,098	3,906	11,566	3,198	8,368	2,754	7,982	8,890	2,340	6,550
1963.....	56,653	20,640	635	3,010	16,995	36,013	3,903	11,778	3,248	8,530	2,830	8,277	9,225	2,358	6,868
1964.....	58,283	21,005	634	3,097	17,274	37,278	3,951	12,160	3,337	8,823	2,911	8,660	9,596	2,348	7,248
1965.....	60,765	21,926	632	3,232	18,062	38,839	4,036	12,716	3,466	9,250	2,977	9,036	10,074	2,378	7,696
1966.....	63,901	23,158	627	3,317	19,214	40,743	4,158	13,245	3,597	9,648	3,058	9,498	10,784	2,564	8,220
1967.....	65,803	23,308	613	3,248	19,447	42,495	4,268	13,606	3,689	9,917	3,185	10,045	11,391	2,719	8,672
1968.....	67,897	23,737	606	3,350	19,781	44,160	4,318	14,099	3,779	10,320	3,337	10,567	11,839	2,737	9,102
1969.....	70,384	24,361	619	3,575	20,167	46,023	4,442	14,705	3,907	10,798	3,512	11,169	12,195	2,758	9,437
1970.....	70,880	23,578	623	3,588	19,367	47,302	4,515	15,040	3,993	11,047	3,645	11,548	12,554	2,731	9,823
1971.....	71,214	22,935	609	3,704	18,623	48,278	4,476	15,352	4,001	11,351	3,772	11,797	12,881	2,696	10,185
1972.....	73,675	23,668	628	3,889	19,151	50,007	4,541	15,949	4,113	11,836	3,908	12,276	13,334	2,684	10,649
1973.....	76,790	24,893	642	4,097	20,154	51,897	4,656	16,607	4,277	12,329	4,046	12,857	13,732	2,663	11,068
1974.....	78,265	24,794	697	4,020	20,077	53,471	4,725	16,987	4,433	12,554	4,148	13,441	14,170	2,724	11,446
1975.....	76,945	22,600	752	3,525	18,323	54,345	4,542	17,060	4,415	12,645	4,165	13,892	14,686	2,748	11,937
1976.....	79,382	23,352	779	3,576	18,997	56,030	4,582	17,755	4,546	13,209	4,271	14,551	14,871	2,733	12,138
1977.....	82,471	24,346	813	3,851	19,682	58,125	4,713	18,516	4,708	13,808	4,467	15,303	15,127	2,727	12,399
1978.....	86,697	25,585	851	4,229	20,505	61,113	4,923	19,542	4,969	14,573	4,724	16,252	15,672	2,753	12,919
1979.....	89,823	26,461	958	4,463	21,040	63,363	5,136	20,192	5,204	14,989	4,975	17,112	15,947	2,773	13,174
1980.....	90,564	25,718	1,020	4,399	20,300	64,847	5,143	20,386	5,281	15,104	5,168	17,901	16,249	2,866	13,383
1981.....	91,543	25,672	1,104	4,307	20,261	65,871	5,151	20,738	5,343	15,395	5,331	18,598	16,054	2,772	13,282
Monthly data, seasonally adjusted															
1981:															
February....	91,258	25,657	1,091	4,389	20,177	65,601	5,135	20,600	5,313	15,287	5,283	18,343	16,240	2,795	13,445
March.....	91,347	25,705	1,098	4,416	20,191	65,642	5,139	20,635	5,316	15,319	5,293	18,371	16,204	2,781	13,423
April.....	91,458	25,700	950	4,418	20,332	65,758	5,161	20,636	5,333	15,303	5,316	18,475	16,170	2,767	13,403
May.....	91,564	25,705	957	4,334	20,414	65,859	5,148	20,714	5,346	15,368	5,326	18,540	16,131	2,779	13,403
June.....	91,615	25,818	1,110	4,284	20,424	65,797	5,149	20,717	5,349	15,368	5,331	18,560	16,040	2,781	13,259
July.....	91,880	25,939	1,132	4,272	20,535	65,941	5,167	20,796	5,360	15,436	5,344	18,642	15,992	2,777	13,215
August.....	91,901	25,931	1,151	4,275	20,505	65,970	5,170	20,862	5,375	15,487	5,354	18,667	15,917	2,770	13,147
September...	92,033	25,930	1,162	4,272	20,496	66,133	5,186	20,872	5,370	15,502	5,366	18,774	15,905	2,765	13,140
October.....	91,832	25,662	1,162	4,259	20,241	66,170	5,168	20,916	5,360	15,556	5,360	18,788	15,938	2,759	13,179
November...	91,522	25,418	1,172	4,229	20,017	66,104	5,147	20,838	5,363	15,475	5,355	18,838	15,926	2,748	13,178
December....	91,113	25,104	1,175	4,193	19,736	66,009	5,122	20,735	5,336	15,399	5,366	18,856	15,930	2,741	13,189
1982:															
January-P ..	90,839	24,764	1,168												

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls by industry

(In thousands)

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avr. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avr. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
-	TOTAL	91,543	89,988	91,932	89,760	89,863	-	-	-	-	-
-	PRIVATE SECTOR	75,490	73,772	75,803	73,870	73,779	61,209	59,760	61,390	59,506	59,450
-	MINING	1,194	1,066	1,166	1,150	1,141	812	787	857	839	828
10	METAL MINING	101.8	103.1	96.9	93.3	-	76.7	78.2	72.9	59.7	-
101	Iron ores	21.8	21.5	19.6	21.2	-	17.0	16.8	15.1	16.7	-
102	Copper ores	36.2	36.6	35.4	32.5	-	27.9	28.5	27.3	24.8	-
11, 12	COAL MINING	226.7	250.7	257.7	255.1	-	187.5	206.5	213.9	211.6	-
12	BITUMINOUS COAL AND LIGNITE MINING	223.4	247.3	254.3	251.7	-	184.5	203.4	210.8	208.5	-
13	OIL AND GAS EXTRACTION	657.2	602.1	699.3	700.8	-	457.7	419.6	485.5	483.9	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	256.6	236.9	270.1	270.9	-	112.8	105.4	116.9	116.2	-
138	Oil and gas field services	400.6	365.2	429.2	429.9	-	344.9	314.2	368.6	367.7	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	117.8	109.8	111.6	130.3	-	90.1	82.9	84.2	73.8	-
142	Crushed and broken stone	35.8	32.5	32.9	27.6	-	29.1	26.1	26.3	20.9	-
144	Sand and gravel	33.9	30.8	31.0	26.3	-	-	-	-	-	-
147	Chemical and fertilizer minerals	27.1	26.9	26.5	26.5	-	-	-	-	-	-
-	CONSTRUCTION	4,307	3,995	4,155	3,706	3,686	3,351	3,053	3,201	2,762	2,745
15	GENERAL BUILDING CONTRACTORS	1,173.3	1,111.0	1,119.8	1,001.2	-	882.8	820.4	836.4	721.7	-
152	Residential building construction	587.0	545.5	556.0	490.3	-	426.0	386.9	398.7	337.2	-
153	Operative builders	59.2	61.1	52.1	50.4	-	32.6	33.6	27.4	25.5	-
154	Nonresidential building construction	526.8	504.4	511.7	460.5	-	424.1	399.9	410.3	359.0	-
16	HEAVY CONSTRUCTION CONTRACTORS	880.7	761.1	835.6	701.3	-	706.9	590.0	659.3	533.2	-
161	Highway and street construction	234.7	182.0	202.5	144.8	-	195.6	144.6	165.2	109.4	-
162	Heavy construction, except highway	646.0	579.1	633.1	556.5	-	511.4	445.4	494.1	423.8	-
17	SPECIAL TRADE CONTRACTORS	2,253.6	2,123.0	2,199.1	2,003.0	-	1,760.7	1,642.5	1,705.3	1,507.2	-
171	Plumbing, heating, air conditioning	545.5	539.6	541.5	523.8	-	493.7	401.3	398.4	381.8	-
172	Painting, paper hanging, decorating	139.5	119.8	132.2	117.1	-	115.0	96.1	108.2	93.1	-
173	Electrical work	415.8	411.6	417.0	399.0	-	320.4	317.0	322.0	303.2	-
174	Masonry, stonework, and plastering	358.7	334.3	343.8	297.1	-	305.2	282.9	289.6	242.3	-
175	Carpentering and flooring	126.5	119.3	118.0	106.0	-	94.3	87.9	85.5	73.7	-
178	Roofing and sheet metal work	167.7	146.3	169.7	138.4	-	134.5	114.0	135.5	104.0	-
-	MANUFACTURING	20,261	20,075	19,804	19,440	19,385	14,083	13,975	13,583	13,267	13,260
24, 25, 32-39	DURABLE GOODS	12,136	12,072	11,786	11,572	11,531	8,316	8,305	7,941	7,754	7,738
20-23, 26-31	NONDURABLE GOODS	8,125	8,003	8,018	7,868	7,854	5,766	5,670	5,642	5,513	5,522
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	679.3	674.6	618.8	598.8	603.6	564.7	561.6	505.8	487.0	494.8
241	Logging camps and logging contractors	83.6	80.1	79.1	72.2	-	65.6	62.8	61.1	53.6	-
242	Sawmills and planing mills	207.3	207.6	187.5	181.3	-	182.9	182.9	163.8	157.7	-
2421	Sawmills and planing mills, general	172.3	171.8	155.0	150.0	-	152.6	151.9	135.9	131.2	-
2426	Hardwood dimension and flooring	30.3	30.5	28.1	27.2	-	26.2	26.3	24.0	23.2	-
243	Millwork, plywood, and structural members	201.8	205.9	181.2	179.4	-	166.2	170.3	146.4	144.8	-
2431	Millwork	70.5	72.2	63.3	63.0	-	56.4	58.1	49.4	49.1	-
2434	Wood kitchen cabinets	48.4	48.9	43.7	43.2	-	38.7	39.5	34.0	33.3	-
2435	Hardwood veneer and plywood	26.6	26.3	24.6	24.3	-	23.4	23.1	21.5	21.0	-
2438	Softwood veneer and plywood	41.4	42.8	36.8	36.6	-	36.8	37.9	32.3	32.4	-
244	Wood containers	42.1	41.4	39.3	38.3	-	36.0	35.7	33.1	31.8	-
245	Wood buildings and mobile homes	64.8	60.7	56.5	53.3	-	47.4	44.3	39.6	37.2	-
2451	Mobile homes	46.8	43.2	41.4	39.4	-	35.6	32.8	30.4	28.9	-
249	Miscellaneous wood products	79.7	78.9	75.2	74.6	-	66.5	65.6	61.8	61.9	-
25	FURNITURE AND FIXTURES	476.6	469.6	471.1	462.0	456.5	384.2	379.1	377.1	368.2	363.9
261	Household furniture	310.3	308.3	304.6	296.5	-	259.7	258.7	253.1	245.9	-
2611	Wood household furniture	140.7	139.9	137.9	133.7	-	122.1	121.5	119.0	115.5	-
2612	Upholstered household furniture	96.8	95.5	95.4	91.8	-	79.1	78.3	77.0	73.8	-
2614	Metal household furniture	30.2	30.9	30.9	31.0	-	24.5	25.3	24.9	25.1	-
2615	Mattresses and bedsprings	29.7	29.3	27.9	27.6	-	22.8	22.5	21.2	20.7	-
262	Office furniture	51.7	50.4	52.6	52.3	-	40.4	39.6	41.0	40.4	-
263	Public building and related furniture	24.6	23.5	24.9	25.1	-	18.5	17.4	18.6	18.5	-
264	Partitions and fixtures	61.8	60.3	60.3	59.4	-	46.1	44.7	44.7	43.7	-
269	Miscellaneous furniture and fixtures	28.2	27.1	28.7	28.7	-	19.6	18.7	19.7	19.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	650.2	635.0	619.6	591.7	585.9	500.3	486.4	470.8	444.7	440.7
321	Flat glass	18.8	19.6	14.9	16.8	-	14.4	14.9	10.8	12.7	-
322	Glass and glassware, pressed or blown	122.8	121.0	118.6	117.5	-	103.8	101.6	100.1	99.3	-
3221	Glass containers	58.0	66.7	65.1	64.8	-	59.6	58.1	56.9	56.8	-
3229	Pressed and blown glass, nec	54.8	54.3	53.5	52.7	-	44.1	43.5	43.2	42.5	-
323	Products of purchased glass	47.3	46.6	45.7	45.3	-	32.2	32.4	30.2	29.7	-
324	Cement, hydraulic	29.3	29.2	27.8	26.8	-	23.2	22.9	22.0	20.9	-
325	Structural clay products	43.2	43.1	39.0	37.4	-	32.5	32.4	28.8	27.0	-
326	Pottery and related products	44.2	44.9	42.0	39.4	-	36.3	37.1	34.3	31.8	-
327	Concrete, gypsum, and plaster products	191.9	183.0	180.5	162.3	-	147.1	137.7	137.1	119.6	-
3271	Concrete block and brick	19.7	19.1	18.7	17.5	-	13.5	12.9	12.6	11.4	-
3272	Concrete products, nec	62.6	60.9	59.9	55.7	-	46.7	45.1	44.5	40.4	-
3273	Ready-mixed concrete	89.4	82.7	82.5	70.0	-	70.6	63.3	64.5	52.4	-
329	Misc. nonmetallic mineral products	140.8	136.8	138.9	135.3	-	101.0	98.7	97.6	95.0	-
3291	Abrasive products	29.3	28.7	29.3	28.5	-	19.8	19.4	19.3	18.9	-
3292	Asbestos products	17.3	17.1	17.0	16.4	-	13.3	13.3	12.8	12.3	-
3296	Mineral wool	31.9	31.9	31.1	30.8	-	-	-	-	-	-
33	PRIMARY METAL INDUSTRIES	1,128.2	1,136.7	1,058.0	1,039.1	1,028.3	866.5	877.1	799.5	783.1	775.9
331	Blast furnace and basic steel products	506.2	509.6	470.9	458.8	-	391.8	395.8	357.2	348.3	-
3312	Blast furnaces and steel mills	423.5	427.6	393.5	383.7	-	328.8	333.6	299.2	292.5	-
3317	Steel pipe and tubes	31.9	31.1	30.2	29.3	-	24.7	23.9	22.9	22.0	-
332	Iron and steel foundries	203.4	205.0	185.1	186.5	-	152.2	164.5	144.6	146.4	-
3321	Gray iron foundries	124.0	124.4	110.5	112.6	-	100.9	101.4	88.1	90.5	-
3322	Malleable iron foundries	15.2	15.3	13.4	13.6	-	11.7	11.8	10.1	10.2	-
3325	Steel foundries, nec	52.8	53.3	50.0	49.3	-	41.5	42.5	38.9	38.4	-
333	Primary nonferrous metals	70.9	72.1	67.7	67.2	-	53.2	54.4	50.1	49.2	-
3334	Primary aluminum	36.2	37.3	33.2	32.9	-	27.9	28.8	25.1	24.6	-
335	Nonferrous rolling and drawing	206.0	209.1	198.5	193.3	-	147.4	150.7	141.8	135.8	-
3351	Copper rolling and drawing	29.4	29.2	27.8	27.2	-	22.0	21.8	20.7	20.1	-
3353	Aluminum sheet, plate, and foil	33.9	34.7	31.7	30.1	-	26.0	26.7	24.6	22.8	-
3357	Nonferrous wire drawing and insulating	86.5	88.0	85.5	82.7	-	62.3	64.0	61.1	57.9	-
336	Nonferrous foundries	90.7	89.6	86.5	84.9	-	73.1	72.5	68.9	67.2	-
3361	Aluminum foundries	51.7	51.7	49.0	47.6	-	42.6	42.9	39.9	38.5	-
34	FABRICATED METAL PRODUCTS	1,583.6	1,580.2	1,532.8	1,502.8	1,495.5	1,167.6	1,167.5	1,116.4	1,087.5	1,083.4
341	Metal cans and shipping containers	71.5	71.7	67.2	68.2	-	60.6	60.1	56.5	57.5	-
3411	Metal cans	58.8	59.1	55.0	56.1	-	50.4	50.0	46.9	48.0	-
342	Cutlery, hand tools, and hardware	167.9	167.3	161.3	157.3	-	128.3	129.1	121.1	117.6	-
3423.5	Hand and edge tools, and hand saws and blades	58.5	58.4	57.6	56.3	-	44.7	45.1	43.9	42.8	-
3429	Hardware, nec	95.0	94.2	89.5	87.6	-	72.7	72.2	66.9	64.8	-
343	Plumbing and heating, except electric	58.3	68.0	58.0	56.3	-	48.7	48.4	48.1	45.6	-
3432	Plumbing fittings and brass goods	24.3	23.1	24.7	24.7	-	19.5	18.4	19.7	19.4	-
3433	Heating equipment, except electric	32.9	33.8	32.8	31.4	-	21.8	22.2	21.6	19.9	-
344	Fabricated structural metal products	498.7	503.1	487.1	474.8	-	339.8	344.8	328.3	318.1	-
3441	Fabricated structural metal	95.9	97.9	95.0	92.0	-	58.6	70.7	67.7	65.3	-
3442	Metal doors, sash, and trim	77.8	78.9	73.0	71.8	-	56.4	57.5	51.9	50.7	-
3443	Fabricated plate work (boiler shops)	147.7	149.5	145.3	142.2	-	89.6	91.6	87.3	84.6	-
3444	Sheet metal work	109.7	109.2	108.1	105.4	-	79.7	79.3	77.7	75.6	-
3446	Architectural metal work	31.9	32.4	30.9	30.6	-	22.4	22.8	21.4	21.2	-
345	Screw machine products, bolts, etc.	103.0	103.6	99.1	96.8	-	79.3	80.0	75.7	73.3	-
3451	Screw machine products	48.9	48.8	47.5	46.6	-	39.7	39.6	38.0	36.9	-
3452	Bolts, nuts, rivets, and washers	54.1	54.8	51.6	50.2	-	39.6	40.4	37.7	36.4	-
346	Metal forgings and stampings	255.0	255.0	236.5	229.8	-	201.4	199.8	184.7	177.3	-
3462	Iron and steel forgings	44.3	44.2	41.9	39.9	-	34.3	33.9	32.4	30.4	-
3465	Automotive stampings	91.1	90.2	80.9	77.1	-	75.2	73.4	66.2	62.3	-
3469	Metal stampings, nec	107.3	107.8	101.9	101.0	-	82.3	82.5	77.0	75.5	-
347	Metal services, nec	103.6	100.8	101.2	99.9	-	83.3	81.0	80.7	79.6	-
3471	Plating and polishing	70.0	68.4	67.3	66.5	-	57.2	55.7	54.7	54.0	-
3479	Metal coating and allied services	33.7	32.4	33.9	33.4	-	26.1	25.3	26.0	25.6	-
348	Ordnance and accessories, nec	50.2	59.7	61.1	61.3	-	38.8	39.6	39.1	39.3	-
3483	Ammunition, exc. for small arms, nec	25.2	25.4	25.4	25.4	-	16.4	17.6	16.0	16.2	-
349	Misc. fabricated metal products	255.7	251.0	251.3	247.9	-	187.5	184.7	182.2	179.2	-
3494	Valves and pipe fittings	104.3	102.7	103.9	103.3	-	71.2	70.4	70.1	69.5	-
3496	Misc. fabricated wire products	55.6	54.2	54.5	53.1	-	43.2	42.3	41.9	40.2	-
35	MACHINERY, EXCEPT ELECTRICAL	2,512.6	2,496.9	2,495.4	2,461.5	2,458.1	1,591.8	1,588.8	1,563.7	1,535.7	1,532.8
351	Engines and turbines	133.3	131.1	131.8	130.4	-	86.3	86.3	85.1	83.9	-
3511	Turbines and turbine generator sets	41.0	41.0	40.9	40.3	-	21.8	22.0	22.2	21.5	-
3519	Internal combustion engines, nec	32.3	32.1	30.9	30.1	-	64.5	64.3	62.9	62.4	-
352	Farm and garden machinery	164.9	174.2	156.8	152.2	-	110.4	116.8	104.1	99.8	-
3523	Farm machinery and equipment	142.0	149.8	131.4	125.2	-	93.9	99.0	85.3	79.4	-
353	Construction and related machinery	399.5	388.7	405.1	396.2	-	261.6	253.2	263.8	255.2	-
3531	Construction machinery	145.4	142.1	143.7	136.7	-	96.4	94.3	93.7	86.3	-

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
MACHINERY, EXCEPT ELECTRICAL—Continued											
3532	Mining machinery.....	37.7	38.2	37.6	36.4	-	23.4	23.7	23.3	22.3	-
3533	Oil field machinery.....	109.9	101.8	117.2	117.7	-	76.4	69.9	82.2	82.8	-
3535	Conveyers and conveying equipment.....	34.2	34.6	34.4	33.5	-	19.3	19.3	19.2	18.4	-
3537	Industrial trucks and tractors.....	36.1	36.3	35.1	34.6	-	23.7	23.9	22.2	22.1	-
354	Metalworking machinery.....	360.6	365.4	354.9	349.0	-	260.1	265.1	254.0	248.3	-
3541	Machine tools, metal cutting types.....	78.8	80.7	75.1	73.1	-	51.0	53.2	47.6	46.2	-
3542	Machine tools, metal forming types.....	25.7	26.1	25.8	25.0	-	16.1	16.5	16.3	15.7	-
3544	Special dies, tools, jigs, and fixtures.....	134.7	134.7	133.4	132.3	-	106.9	107.1	105.2	104.0	-
3545	Machine tool accessories.....	58.3	68.8	68.1	67.8	-	48.0	48.7	47.7	47.1	-
3546	Power driven hand tools.....	29.3	30.8	28.3	27.1	-	22.5	23.7	21.3	19.9	-
355	Special industry machinery.....	202.8	206.3	196.0	193.9	-	127.9	130.6	122.5	120.7	-
3551	Food products machinery.....	44.1	45.6	42.8	42.5	-	28.0	29.1	27.1	27.0	-
3552	Textile machinery.....	25.0	26.2	24.0	23.6	-	17.3	18.3	16.5	16.2	-
3555	Printing trades machinery.....	42.8	42.5	42.9	42.9	-	26.6	26.3	26.6	26.4	-
356	General industrial machinery.....	313.5	314.8	308.0	303.3	-	202.6	203.4	197.8	194.3	-
3561	Pumps and pumping equipment.....	62.6	61.7	62.4	61.6	-	36.6	35.5	36.5	36.5	-
3562	Ball and roller bearings.....	55.6	57.6	53.2	51.7	-	42.9	44.8	40.7	39.4	-
3563	Air and gas compressors.....	30.1	30.3	29.9	29.8	-	17.9	18.0	17.6	17.2	-
3564	Blowers and fans.....	40.1	40.4	38.6	37.7	-	25.0	25.1	23.8	23.5	-
3566	Speed changers, drives, and gears.....	26.9	26.2	26.7	26.1	-	17.8	17.3	17.5	17.0	-
3568	Power transmission equipment, nec.....	21.8	21.3	21.5	21.5	-	15.4	14.9	15.2	15.1	-
357	Office and computing machines.....	454.0	440.8	467.4	465.1	-	184.9	184.1	187.2	187.4	-
3573	Electronic computing equipment.....	375.0	361.1	390.5	390.3	-	142.6	140.5	146.8	147.8	-
358	Refrigeration and service machinery.....	180.9	177.5	176.6	173.6	-	125.9	122.3	121.9	119.3	-
3585	Refrigeration and heating equipment.....	123.6	121.8	119.2	117.3	-	86.8	88.7	82.8	81.4	-
359	Misc. machinery, except electrical.....	303.0	296.1	298.8	298.2	-	232.2	227.0	227.3	226.8	-
3592	Carburetors, pistons, rings, valves.....	41.5	40.1	37.5	38.5	-	33.4	32.3	28.7	29.9	-
3599	Machinery, except electrical, nec.....	251.5	256.0	261.3	259.7	-	198.8	194.7	198.6	196.9	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT.....	2,133.9	2,114.0	2,104.1	2,089.4	2,087.9	1,338.2	1,329.9	1,293.8	1,282.8	1,283.7
361	Electric distributing equipment.....	120.6	120.1	119.8	117.5	-	85.4	84.2	84.8	83.3	-
3612	Transformers.....	52.3	51.6	52.4	51.1	-	36.9	35.8	37.0	36.4	-
3613	Switchgear and switchboard apparatus.....	68.3	68.5	67.4	66.4	-	48.5	48.4	47.8	46.9	-
362	Electrical industrial apparatus.....	238.3	235.4	232.4	229.6	-	169.3	166.6	164.1	162.0	-
3621	Motors and generators.....	122.2	121.4	119.0	117.5	-	93.7	92.7	90.9	89.8	-
3622	Industrial controls.....	70.5	70.4	58.5	68.1	-	43.4	43.6	41.6	41.2	-
363	Household appliances.....	166.0	168.4	138.1	138.5	-	131.2	134.5	101.8	103.4	-
3632	Household refrigerators and freezers.....	36.1	35.6	24.4	26.8	-	29.3	29.3	17.3	19.9	-
3633	Household laundry equipment.....	20.3	20.8	16.0	17.2	-	15.9	16.5	11.3	12.5	-
3634	Electric housewares and fans.....	52.2	51.3	49.8	47.0	-	41.9	41.5	38.9	36.5	-
364	Electric lighting and wiring equipment.....	209.5	206.3	205.4	204.3	-	154.3	153.0	149.5	148.7	-
3641	Electric lamps.....	34.2	35.2	33.3	35.2	-	29.9	31.1	29.3	31.2	-
3643	Current-carrying wiring devices.....	89.6	86.6	89.4	88.1	-	60.8	59.5	59.5	58.4	-
3644	Noncurrent-carrying wiring devices.....	22.9	22.6	22.3	21.7	-	16.6	16.2	16.2	15.7	-
3645	Residential lighting fixtures.....	25.2	24.8	23.9	23.2	-	19.1	18.7	17.9	17.1	-
365	Radio and TV receiving equipment.....	109.8	108.8	105.2	105.2	-	77.7	77.7	73.9	73.0	-
3651	Radio and TV receiving sets.....	87.4	86.6	84.6	84.6	-	60.1	60.4	57.0	57.3	-
366	Communication equipment.....	545.4	542.6	552.8	551.0	-	263.1	263.3	264.1	262.1	-
3661	Telephone and telegraph apparatus.....	153.2	158.6	149.3	146.1	-	101.9	105.8	99.2	96.8	-
3662	Radio and TV communication equipment.....	392.2	384.0	403.5	404.9	-	161.2	157.5	164.9	165.3	-
367	Electronic components and accessories.....	575.4	565.8	583.0	579.6	-	334.7	329.4	337.6	334.0	-
3671-3	Electronic tubes.....	43.5	43.2	43.0	42.8	-	26.7	26.7	25.9	25.9	-
3674	Semiconductors and related devices.....	235.9	236.0	236.9	236.6	-	96.9	98.0	95.8	94.9	-
3679	Electronic components, nec.....	222.8	216.0	230.1	228.5	-	155.1	150.2	160.2	158.3	-
369	Misc. electrical equipment and supplies.....	168.9	166.6	166.1	163.7	-	122.4	121.2	118.0	116.3	-
3691	Storage batteries.....	32.9	32.8	35.0	34.3	-	25.7	26.1	27.5	26.5	-
3694	Engine electrical equipment.....	80.2	79.1	74.7	73.2	-	61.6	60.3	56.2	54.9	-
37	TRANSPORTATION EQUIPMENT.....	1,837.8	1,854.9	1,755.7	1,719.4	1,714.9	1,174.3	1,199.3	1,094.2	1,063.4	1,063.9
371	Motor vehicles and equipment.....	723.2	732.5	664.0	638.1	-	538.3	545.0	486.1	461.4	-
3711	Motor vehicles and car bodies.....	312.9	321.8	281.6	264.3	-	219.8	227.0	193.3	176.7	-
3713	Truck and bus bodies.....	33.9	35.8	31.0	30.0	-	25.5	26.8	23.4	22.3	-
3714	Motor vehicle parts and accessories.....	342.2	342.6	316.3	310.1	-	267.1	267.2	242.8	236.9	-
3715	Truck trailers.....	28.6	26.8	29.4	28.5	-	21.9	20.1	22.3	21.3	-
372	Aircraft and parts.....	656.7	668.3	648.1	643.4	-	348.2	361.7	335.3	333.4	-
3721	Aircraft.....	350.6	363.4	357.2	354.3	-	175.0	180.1	166.5	165.7	-
3724	Aircraft engines and engine parts.....	158.1	165.0	154.0	152.9	-	89.9	94.4	88.8	88.5	-
3728	Aircraft equipment, nec.....	138.1	139.9	136.9	136.2	-	83.3	87.2	80.0	79.2	-
373	Ship and boat building and repairing.....	226.3	223.2	222.2	215.2	-	176.3	177.9	170.6	164.5	-
3731	Ship building and repairing.....	177.8	178.6	175.2	170.3	-	135.9	141.0	131.8	127.3	-
3732	Boat building and repairing.....	48.5	44.6	47.0	45.2	-	40.4	36.9	38.8	37.2	-
374	Railroad equipment.....	50.4	58.4	42.8	40.3	-	34.6	42.4	28.0	25.9	-
376	Guided missiles, space vehicles, parts.....	119.7	116.5	122.7	122.3	-	35.7	35.3	37.3	37.2	-
3761	Guided missiles and space vehicles.....	96.3	93.1	99.8	99.3	-	27.0	26.7	28.1	28.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avr. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avr. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TRANSPORTATION EQUIPMENT—Continued											
379	Miscellaneous transportation equipment	40.4	39.7	40.0	40.9	-	26.2	26.9	26.6	27.3	-
3792	Travel trailers and campers	19.6	18.3	18.3	18.8	-	15.2	14.4	14.1	14.5	-
38	INSTRUMENTS AND RELATED PRODUCTS	718.0	712.4	718.0	711.7	708.1	422.0	422.3	418.6	414.3	413.2
381	Engineering and scientific instruments	78.3	78.2	78.4	78.1	-	37.7	38.2	37.7	37.1	-
382	Measuring and controlling devices	246.4	244.0	245.4	243.4	-	153.9	153.2	151.8	150.8	-
3822	Environmental controls	46.7	47.2	44.0	43.4	-	31.5	32.6	28.5	28.5	-
3823	Process control instruments	56.9	54.4	58.7	58.6	-	29.9	28.9	30.5	30.7	-
3825	Instruments to measure electricity	105.0	104.0	105.1	104.6	-	66.0	64.4	66.8	66.2	-
383	Optical instruments and lenses	33.1	33.4	32.6	32.6	-	18.3	18.0	18.2	17.8	-
384	Medical instruments and supplies	159.8	157.6	162.5	160.9	-	100.4	100.3	102.0	101.4	-
3841	Surgical and medical instruments	74.5	72.6	76.1	75.3	-	45.3	45.6	46.2	45.6	-
3842	Surgical appliances and supplies	68.3	67.5	69.7	69.0	-	44.6	43.7	45.5	45.7	-
385	Ophthalmic goods	41.6	42.6	39.2	38.2	-	29.3	29.8	28.2	26.8	-
386	Photographic equipment and supplies	139.7	136.4	142.3	141.7	-	68.6	68.0	68.4	68.7	-
387	Watches, clocks, and watchcases	19.0	20.2	17.6	16.8	-	13.9	14.8	12.3	11.7	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	415.3	398.0	412.2	395.0	392.3	306.9	292.7	301.4	286.9	285.5
391	Jewelry, silverware, and plated ware	55.7	54.4	58.5	56.0	-	39.8	38.6	41.8	39.5	-
3911	Jewelry, precious metal	36.1	35.5	38.1	36.1	-	25.4	24.7	26.9	25.4	-
393	Musical instruments	22.2	22.1	22.0	21.5	-	17.9	17.9	17.5	17.1	-
394	Toys and sporting goods	114.6	103.0	109.2	101.9	-	85.8	74.2	80.7	74.2	-
3942, 4	Dolls, games, toys, and children's vehicles	59.5	49.7	53.7	47.8	-	43.2	33.6	37.2	32.1	-
3949	Sporting and athletic goods, nec	55.1	53.3	55.5	54.1	-	42.6	40.6	43.5	42.1	-
395	Pens, pencils, office and art supplies	38.9	37.7	39.5	39.3	-	27.6	26.7	27.7	27.3	-
396	Costume jewelry and notions	47.7	48.3	47.0	43.5	-	36.6	37.7	35.9	32.8	-
3961	Costume jewelry	23.7	24.4	24.2	21.7	-	18.3	19.1	18.8	16.6	-
399	Miscellaneous manufactures	136.2	132.5	136.0	133.1	-	99.2	97.6	97.8	96.0	-
3993	Signs and advertising displays	48.4	47.5	48.6	47.9	-	35.0	34.3	35.1	34.5	-
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,684.1	1,645.2	1,657.3	1,613.1	1,608.6	1,153.4	1,115.9	1,130.6	1,089.6	1,088.7
201	Meat products	349.4	350.9	346.4	337.5	-	291.2	291.1	289.5	280.9	-
2011	Meat packing plants	157.4	159.4	155.5	153.8	-	129.2	130.2	128.3	126.7	-
2013	Sausages and other prepared meats	68.7	68.5	68.3	67.1	-	51.1	50.5	50.6	49.5	-
2016	Poultry dressing plants	110.3	108.8	109.9	103.9	-	99.8	98.1	99.7	93.8	-
202	Dairy products	173.2	171.2	169.9	168.1	-	95.3	93.4	93.0	91.9	-
2022	Cheese, natural and processed	35.5	35.2	35.0	33.7	-	27.1	27.1	26.5	25.5	-
2026	Fluid milk	99.7	99.6	97.5	97.0	-	44.5	44.1	43.4	43.2	-
203	Preserved fruits and vegetables	240.9	211.8	212.9	196.7	-	197.5	168.5	172.5	157.1	-
2032	Canned specialties	25.5	25.6	26.2	25.0	-	18.9	18.8	19.7	18.6	-
2033	Canned fruits and vegetables	93.8	72.5	69.4	62.4	-	77.5	56.3	54.7	47.7	-
2037	Frozen fruits and vegetables	45.0	39.3	42.5	38.9	-	39.0	33.4	36.9	33.2	-
204	Grain mill products	142.6	145.4	142.3	142.2	-	98.5	100.2	97.2	97.1	-
2041	Flour and other grain mill products	27.3	27.6	27.8	27.9	-	17.0	17.1	16.9	16.9	-
2048	Prepared feeds, nec	56.2	57.9	55.6	55.5	-	36.6	37.6	35.8	36.0	-
205	Bakery products	222.1	221.8	221.6	219.4	-	128.6	128.5	128.9	126.7	-
2051	Bread, cake, and related products	180.7	179.7	180.1	178.2	-	95.8	95.3	95.8	94.3	-
2052	Cookies and crackers	41.5	42.1	41.5	41.2	-	32.8	33.2	33.0	32.4	-
206	Sugar and confectionery products	110.4	111.1	119.9	115.7	-	84.1	83.8	94.0	89.9	-
2061-3	Cane and beet sugar	30.6	32.1	34.3	33.7	-	22.5	23.6	26.7	25.9	-
2065	Confectionery products	59.3	58.5	64.5	61.1	-	47.8	46.5	52.9	50.0	-
207	Fats and oils	44.3	44.9	46.0	45.6	-	32.9	33.5	34.7	34.1	-
208	Beverages	236.4	230.8	235.7	232.3	-	103.1	101.0	100.3	97.4	-
2082	Malt beverages	50.4	49.5	49.2	48.1	-	32.4	31.7	31.2	30.2	-
2086	Bottled and canned soft drinks	141.2	136.6	141.4	140.5	-	46.4	44.7	45.5	44.9	-
209	Misc. foods and kindred products	154.7	157.3	162.6	155.9	-	122.2	115.9	120.6	114.5	-
21	TOBACCO MANUFACTURES	71.1	72.0	73.3	72.3	69.4	55.3	55.8	57.8	57.0	54.2
211	Cigarettes	47.5	47.7	47.7	47.6	-	36.0	35.9	36.6	36.6	-
22	TEXTILE MILL PRODUCTS	839.3	841.0	816.5	795.4	791.3	726.8	729.1	702.8	683.6	682.3
221	Weaving mills, cotton	142.0	147.2	138.6	136.6	-	126.5	131.7	123.3	121.5	-
222	Weaving mills, synthetics	117.6	118.7	115.9	112.3	-	105.4	106.4	102.5	100.1	-
223	Weaving and finishing mills, wool	18.8	18.8	18.4	18.4	-	15.6	15.4	15.4	15.4	-
224	Narrow fabric mills	24.0	23.5	24.0	23.2	-	21.2	20.6	21.0	20.2	-
225	Knitting mills	219.2	215.1	210.4	201.0	-	189.5	185.6	181.1	172.2	-
2251	Women's hosiery, except socks	28.8	29.0	29.2	28.9	-	25.8	26.0	26.1	25.6	-
2252	Hosiery, nec	34.3	33.2	33.9	32.6	-	31.2	30.1	30.9	29.6	-
2253	Knit outerwear mills	71.6	66.9	69.5	64.0	-	60.8	56.7	58.5	53.5	-
2254	Knit underwear mills	31.0	31.3	29.1	28.0	-	26.8	27.2	25.2	23.9	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1931	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TEXTILE MILL PRODUCTS—Continued											
2257	Circular knit fabric mills	30.6	31.7	27.0	26.1	-	25.8	26.7	22.4	21.7	-
226	Textile finishing, except wool	72.0	72.0	70.8	69.4	-	60.1	60.4	58.8	57.6	-
2261	Finishing plants, cotton	28.0	28.0	28.1	27.6	-	23.0	23.3	23.1	22.6	-
2262	Finishing plants, synthetics	29.3	28.8	28.3	28.0	-	24.3	24.2	23.5	23.3	-
227	Floor covering mills	52.5	52.6	51.0	49.0	-	42.3	42.6	40.9	38.9	-
228	Yarn and thread mills	125.9	126.3	122.0	120.6	-	113.3	113.8	108.7	107.1	-
2281	Yarn mills, except wool	84.4	84.5	81.6	80.8	-	77.2	77.6	73.7	72.9	-
2282	Throwing and winding mills	20.4	21.1	19.4	19.0	-	18.0	18.5	17.1	16.6	-
229	Miscellaneous textile goods	67.4	66.8	65.4	64.9	-	53.0	52.6	51.1	50.6	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,255.8	1,222.8	1,224.4	1,187.8	1,199.9	1,069.4	1,040.9	1,036.3	1,005.9	1,017.3
231	Men's and boys' suits and coats	78.2	76.9	80.2	78.5	-	68.5	67.8	70.0	68.6	-
232	Men's and boys' furnishings	351.1	345.1	346.5	331.8	-	299.8	295.0	295.0	282.2	-
2321	Men's and boys' shirts and nightwear	96.9	94.5	95.9	92.6	-	83.5	80.7	82.5	79.5	-
2327	Men's and boys' separate trousers	73.7	73.9	72.5	71.0	-	64.3	64.6	63.1	62.0	-
2328	Men's and boys' work clothing	101.6	100.0	101.2	96.5	-	84.6	84.6	83.9	80.2	-
233	Women's and misses' outerwear	411.8	399.5	389.6	384.7	-	353.2	341.8	332.1	328.9	-
2331	Women's and misses' blouses and waists	61.6	60.6	59.1	57.9	-	53.7	53.1	51.1	50.0	-
2335	Women's and misses' dresses	138.2	135.3	130.3	130.7	-	121.4	119.3	113.4	114.1	-
2337	Women's and misses' suits and coats	63.4	59.2	56.3	55.1	-	54.1	50.3	47.6	46.6	-
2339	Women's and misses' outerwear, nec.	148.6	144.4	143.9	141.0	-	124.0	119.1	120.0	118.2	-
234	Women's and children's undergarments	89.0	86.3	88.9	86.2	-	76.0	73.5	75.8	73.6	-
2341	Women's and children's underwear	71.2	69.0	70.9	69.1	-	52.0	60.0	61.9	60.4	-
2342	Brassieres and allied garments	17.8	17.3	18.0	17.1	-	13.9	13.5	13.9	13.2	-
236	Children's outerwear	65.2	63.7	65.1	63.3	-	55.3	54.3	55.1	53.8	-
2361	Children's dresses and blouses	28.2	28.0	28.6	28.2	-	25.2	25.2	25.5	25.4	-
238	Misc. apparel and accessories	55.1	52.8	53.6	51.6	-	46.7	44.8	45.1	42.9	-
239	Misc. fabricated textile products	183.8	176.5	180.0	171.4	-	151.2	144.6	145.8	138.6	-
2391	Curtains and draperies	28.4	26.9	29.6	27.8	-	23.7	22.4	24.5	22.7	-
2392	House furnishings, nec.	50.4	48.1	52.0	48.3	-	41.6	39.8	42.7	39.7	-
2396	Automotive and apparel trimmings	34.3	32.7	29.2	28.0	-	28.7	27.2	23.1	21.8	-
26	PAPER AND ALLIED PRODUCTS	692.3	687.7	681.7	574.2	671.1	521.1	518.1	510.0	503.6	501.1
261, 2, 6	Paper and pulp mills	234.1	202.7	200.6	199.0	-	153.5	152.5	150.4	149.1	-
262	Paper mills, except building paper	176.5	174.9	174.0	173.3	-	131.5	130.3	128.9	128.3	-
263	Paperboard mills	54.3	64.8	62.7	62.7	-	50.4	50.6	49.1	49.1	-
264	Misc. converted paper products	220.3	216.5	218.9	215.9	-	161.9	159.5	159.6	157.4	-
2641	Paper coating and glazing	56.5	55.8	56.7	55.7	-	36.3	35.9	36.1	35.0	-
2642	Envelopes	25.6	25.5	25.8	25.6	-	19.9	20.0	19.9	19.9	-
2643	Bags, except textile bags	50.3	50.2	50.9	50.2	-	39.3	39.5	39.7	39.2	-
265	Paperboard containers and boxes	293.6	293.7	199.5	196.6	-	155.4	155.5	150.9	148.0	-
2651	Folding paperboard boxes	42.4	42.0	42.4	42.1	-	33.1	33.0	32.8	32.5	-
2653	Corrugated and solid fiber boxes	105.4	105.8	102.9	101.6	-	77.4	77.4	75.2	73.9	-
2654	Sanitary food containers	26.0	26.0	25.3	24.9	-	21.2	21.3	20.5	19.8	-
27	PRINTING AND PUBLISHING	1,288.0	1,269.0	1,312.5	1,299.7	1,306.3	711.6	704.7	722.6	715.3	725.6
271	Newspapers	432.0	425.1	441.2	435.8	-	165.5	164.8	169.1	166.5	-
272	Periodicals	92.7	91.8	95.8	96.1	-	18.2	17.2	19.6	21.0	-
273	Books	101.3	101.7	101.4	100.9	-	51.5	53.2	50.8	51.4	-
2731	Book publishing	72.2	71.9	72.5	71.8	-	27.5	28.2	27.3	27.5	-
2732	Book printing	29.1	29.8	28.9	29.1	-	24.0	25.0	23.5	23.9	-
274	Miscellaneous publishing	50.1	50.2	51.5	50.5	-	26.7	26.9	27.9	27.5	-
275	Commercial printing	432.5	423.5	441.4	435.6	-	318.5	313.2	323.5	317.8	-
2751	Commercial printing, letterpress	170.8	167.6	173.5	170.7	-	126.2	124.3	127.4	124.9	-
2752	Commercial printing, lithographic	238.8	233.5	244.2	241.9	-	173.7	170.6	177.3	174.7	-
276	Manifold business forms	48.6	48.7	49.0	49.0	-	33.6	33.8	33.9	33.9	-
278	Blankbooks and bookbinding	51.1	59.3	60.8	60.7	-	49.8	48.3	49.3	48.8	-
279	Printing trade services	44.7	44.6	45.4	45.4	-	33.0	33.1	33.3	33.5	-
28	CHEMICALS AND ALLIED PRODUCTS	1,107.3	1,100.1	1,096.3	1,087.9	1,087.6	626.1	620.0	612.8	606.4	611.8
281	Industrial inorganic chemicals	153.4	162.0	162.8	160.3	-	89.3	87.7	88.2	87.9	-
2819	Industrial inorganic chemicals, nec.	107.4	107.1	106.4	104.6	-	58.5	58.0	57.6	56.8	-
282	Plastics materials and synthetics	199.8	201.4	195.7	194.6	-	131.7	133.0	126.8	125.0	-
2821	Plastics materials and resins	79.7	79.4	78.5	78.1	-	46.8	46.0	45.6	45.2	-
2824	Organic fibers, noncellulosic	93.3	94.8	92.1	91.3	-	66.0	67.0	64.2	62.7	-
283	Drugs	200.8	198.1	201.3	200.6	-	99.7	97.7	99.5	98.9	-
2834	Pharmaceutical preparations	158.1	156.4	158.5	158.0	-	76.9	75.4	76.7	76.3	-
284	Soap, cleaners, and toilet goods	139.4	139.5	137.8	137.2	-	86.8	85.9	85.6	84.4	-
2841	Soap and other detergents	40.6	42.2	40.0	40.1	-	26.6	27.8	26.1	26.2	-
2844	Toilet preparations	56.9	55.8	56.6	55.8	-	37.6	36.0	37.7	36.2	-
2842, 3	Polishing, sanitation, and finishing preparations	42.0	41.5	41.2	41.3	-	22.6	22.1	21.8	22.0	-
285	Paints and allied products	64.5	63.8	61.8	60.8	-	31.8	31.4	29.6	29.1	-
286	Industrial organic chemicals	170.8	169.3	170.1	169.5	-	86.0	85.5	84.9	84.7	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
2865	Cyclic crudes and intermediates	35.0	34.6	34.9	34.7	-	21.4	20.7	21.5	21.3	-
2861,9	Gum, wood, and industrial organic chemicals, nec.	135.8	134.7	135.2	134.8	-	64.6	64.8	63.4	63.4	-
287	Agricultural chemicals	72.9	71.5	71.5	71.0	-	45.7	44.5	44.3	43.7	-
289	Miscellaneous chemical products	95.8	94.5	95.3	93.9	-	55.0	54.3	53.9	52.7	-
29	PETROLEUM AND COAL PRODUCTS	210.3	216.5	216.8	199.3	195.3	132.1	130.5	125.6	119.2	119.5
291	Petroleum refining	169.6	167.8	169.3	165.3	-	102.6	103.0	99.8	96.3	-
295	Paving and roofing materials	28.8	26.6	25.4	22.7	-	21.7	19.7	18.5	15.7	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	744.4	731.8	726.4	718.8	707.9	573.8	564.1	555.4	549.1	540.8
301	Tires and inner tubes	121.9	122.1	121.0	122.7	-	85.0	86.8	84.2	86.7	-
302	Rubber and plastics footwear	20.2	20.3	20.0	19.0	-	17.8	17.9	17.5	16.7	-
303,4	Reclaimed rubber, and rubber and plastics hose and belting	23.3	22.8	21.9	21.4	-	16.3	15.7	15.4	14.9	-
306	Fabricated rubber products, nec.	105.9	105.8	100.8	98.9	-	82.4	82.3	77.0	75.1	-
307	Miscellaneous plastics products	473.2	460.8	462.7	456.3	-	372.3	361.4	361.3	355.7	-
31	LEATHER AND LEATHER PRODUCTS	232.3	226.9	223.1	218.5	216.0	196.5	190.8	188.3	183.2	181.0
311	Leather tanning and finishing	20.1	19.5	19.5	18.6	-	16.9	16.2	16.2	15.3	-
314	Footwear, except rubber	142.6	141.1	135.0	135.7	-	122.7	120.9	116.2	116.0	-
3143	Men's footwear, except athletic	57.3	56.6	54.8	57.0	-	49.1	48.4	46.5	48.1	-
3144	Women's footwear, except athletic	52.0	52.6	48.5	47.2	-	44.7	45.0	42.2	40.5	-
316	Luggage	15.4	14.2	14.3	13.4	-	11.7	10.2	11.1	10.3	-
317	Handbags and personal leather goods	29.3	27.7	28.9	26.8	-	24.3	23.1	23.5	21.5	-
	TRANSPORTATION AND PUBLIC UTILITIES	5,151	5,063	5,153	5,059	5,058	4,273	4,206	4,265	4,166	4,170
40	RAILROAD TRANSPORTATION	506.5	511.3	478.7	463.9	-	-	-	-	-	-
4011	Class I railroads ²	456.9	460.2	432.1	417.3	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	271.8	274.4	289.9	290.6	-	251.9	254.4	269.3	269.7	-
411	Local and suburban transportation	83.3	81.9	84.8	84.9	-	76.2	75.1	77.4	77.1	-
412	Taxis	50.8	53.4	50.5	50.8	-	-	-	-	-	-
413	Intercity highway transportation	39.4	37.5	38.4	38.5	-	36.1	34.2	35.0	35.1	-
415	School buses	83.4	87.8	101.5	102.8	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	1,239.8	1,219.8	1,246.8	1,176.6	-	1,081.1	1,062.1	1,089.3	1,018.5	-
421,3	Trucking and trucking terminals	1,157.0	1,134.1	1,160.2	1,094.5	-	1,011.4	990.1	1,015.8	949.3	-
422	Public warehousing	82.9	85.7	86.6	82.1	-	69.6	72.0	73.5	69.2	-
44	WATER TRANSPORTATION	208.2	196.9	197.8	194.4	-	-	-	-	-	-
45	TRANSPORTATION BY AIR	439.1	451.7	451.8	448.0	-	-	-	-	-	-
451,2	Air transportation	408.4	401.8	400.3	396.6	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	22.2	21.5	22.4	22.4	-	15.5	15.2	15.4	15.4	-
47	TRANSPORTATION SERVICES	207.6	193.8	212.2	211.9	-	-	-	-	-	-
48	COMMUNICATION	1,367.8	1,353.5	1,378.9	1,376.7	-	1,021.5	1,012.5	1,028.6	1,027.2	-
481	Telephone communication	1,071.6	1,064.8	1,074.9	1,072.6	-	779.4	776.4	778.7	777.4	-
483	Radio and television broadcasting	202.5	200.5	206.3	205.7	-	163.5	160.8	167.8	167.2	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	867.7	839.8	874.0	874.9	-	708.4	683.6	714.1	713.1	-
491	Electric services	412.5	403.3	415.8	416.4	-	333.8	326.8	335.8	335.9	-
492	Gas production and distribution	175.2	170.0	176.1	176.0	-	142.6	138.4	142.1	141.6	-
493	Combination utility services	237.1	195.5	208.3	208.8	-	169.2	157.5	172.4	172.1	-
495	Sanitary services	49.5	48.1	50.6	50.9	-	43.4	42.1	44.7	44.8	-
-	WHOLESALE AND RETAIL TRADE	20,738	20,366	21,413	20,676	20,510	18,132	17,836	18,791	18,064	17,903
50,51	WHOLESALE TRADE	5,343	5,276	5,352	5,297	5,287	4,348	4,296	4,348	4,291	4,284
50	WHOLESALE TRADE - DURABLE GOODS	3,176	3,125	3,189	3,167	-	2,578	2,540	2,580	2,557	-
501	Motor vehicles and automotive equipment	416.6	412.6	417.3	416.1	-	335.5	332.0	336.6	335.1	-
502	Furniture and home furnishings	120.1	116.7	123.6	123.5	-	98.0	95.0	101.5	101.3	-
503	Lumber and construction materials	192.0	190.3	187.7	182.1	-	157.9	155.7	154.1	148.9	-
504	Sporting goods, toys, and hobby goods	74.7	72.5	75.7	75.2	-	59.8	58.0	60.6	59.8	-
505	Metals and minerals, except petroleum	154.5	153.0	152.3	150.9	-	124.2	122.2	122.0	120.5	-
506	Electrical goods	422.5	419.2	427.6	426.6	-	340.7	339.6	345.6	345.6	-
507	Hardware, plumbing, and heating equipment	244.6	242.9	243.3	242.3	-	199.7	199.1	197.4	195.8	-

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				
		Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	WHOLESALE TRADE-DURABLE GOODS—										
	Continued										
508	Machinery, equipment, and supplies	1,347.8	1,314.2	1,366.7	1,358.0	-	1,090.2	1,065.9	1,097.9	1,088.7	-
509	Miscellaneous durable goods	203.5	203.7	194.8	192.1	-	171.9	172.4	163.9	160.9	-
51	WHOLESALE TRADE-NONDURABLE GOODS	2,157	2,151	2,163	2,130	-	1,771	1,756	1,768	1,734	-
511	Paper and paper products	155.0	153.2	157.1	158.1	-	125.6	124.4	126.7	127.3	-
512	Drugs, proprietaries, and sundries	151.1	150.4	153.3	150.7	-	127.8	127.1	130.2	128.0	-
513	Apparel, piece goods, and notions	158.3	165.9	168.7	166.4	-	132.3	130.5	132.3	130.0	-
514	Groceries and related products	678.7	671.3	673.2	559.1	-	582.2	574.3	578.2	563.9	-
516	Chemicals and allied products	129.5	129.7	129.8	130.5	-	93.3	93.9	93.0	93.6	-
517	Petroleum and petroleum products	225.0	224.1	223.9	222.3	-	169.4	168.2	168.5	167.3	-
518	Beer, wine, and distilled beverages	141.8	138.4	143.8	141.2	-	118.6	115.3	120.1	116.8	-
519	Miscellaneous nondurable goods	391.6	375.2	377.9	373.3	-	310.2	304.5	306.4	301.3	-
52-59	RETAIL TRADE	15,395	15,090	16,061	15,379	15,223	13,783	13,540	14,443	13,773	13,619
52	BUILDING MATERIALS AND GARDEN SUPPLIES	616.8	601.6	606.7	579.4	-	520.5	504.9	512.1	485.6	-
521	Lumber and other building materials	323.9	318.9	314.4	304.8	-	273.7	267.9	265.1	255.5	-
525	Hardware stores	149.7	148.9	151.5	145.1	-	127.6	126.8	129.4	123.2	-
53	GENERAL MERCHANDISE STORES	2,258.3	2,303.7	2,542.5	2,333.3	-	2,051.4	2,150.0	2,341.4	2,145.5	-
531	Department stores	1,891.1	1,930.9	2,126.5	1,959.0	-	1,720.5	1,811.5	1,962.5	1,807.8	-
533	Variety stores	251.9	254.5	271.6	247.1	-	233.8	237.6	253.7	228.5	-
539	Misc. general merchandise stores	125.2	118.3	144.4	127.2	-	107.1	100.9	125.2	109.2	-
54	FOOD STORES	2,456.9	2,431.8	2,524.0	2,465.2	-	2,278.8	2,252.5	2,342.4	2,284.1	-
541	Grocery stores	2,154.8	2,136.9	2,206.1	2,172.9	-	2,004.1	1,984.3	2,052.6	2,019.4	-
542	Meat markets and freezer provisioners	55.7	55.8	55.2	54.7	-	-	-	-	-	-
546	Retail bakeries	126.7	125.9	128.7	127.1	-	116.5	115.6	118.7	114.3	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	1,674.5	1,671.8	1,661.8	1,649.1	-	1,418.8	1,415.8	1,407.5	1,391.7	-
551.2	New and used car dealers	764.7	766.0	751.8	746.0	-	626.0	626.7	615.2	609.9	-
553	Auto and home supply stores	270.7	264.7	279.0	275.1	-	234.4	229.1	242.0	235.7	-
554	Gasoline service stations	551.5	567.3	558.2	555.7	-	491.8	496.6	488.7	485.6	-
56	APPAREL AND ACCESSORY STORES	980.7	979.1	1,090.4	997.0	-	839.6	838.4	945.0	853.2	-
561	Men's and boys' clothing and furnishings	134.2	138.4	152.0	140.2	-	113.9	117.8	131.6	119.7	-
562	Women's ready-to-wear stores	354.4	352.9	392.3	354.2	-	307.3	304.7	344.1	307.5	-
565	Family clothing stores	188.4	188.8	221.1	194.0	-	165.0	165.4	196.1	169.2	-
566	Shoe stores	200.5	195.4	212.4	204.4	-	165.1	161.5	175.5	167.4	-
57	FURNITURE AND HOME FURNISHINGS STORES	609.1	608.8	626.6	510.8	-	503.8	504.9	521.7	505.9	-
571	Furniture and home furnishings stores	378.5	375.3	384.1	375.4	-	313.8	311.6	319.0	309.8	-
572	Household appliance stores	83.1	82.8	87.5	85.9	-	70.9	70.8	74.8	73.1	-
573	Radio, television, and music stores	147.6	150.7	155.0	149.5	-	119.2	122.5	127.9	123.0	-
58	EATING AND DRINKING PLACES	4,833.2	4,561.3	4,891.2	4,739.4	-	4,452.7	4,188.1	4,504.2	4,353.2	-
59	MISCELLANEOUS RETAIL	1,955.0	1,931.4	2,117.5	2,004.4	-	1,707.4	1,685.6	1,868.3	1,753.8	-
591	Drug stores and proprietary stores	487.0	488.7	506.9	493.8	-	440.2	442.9	459.5	445.1	-
592	Liquor stores	128.9	125.8	138.1	132.7	-	-	-	-	-	-
594	Miscellaneous shopping goods stores	631.8	616.1	719.1	660.4	-	540.7	525.1	628.8	568.8	-
596	Nonstore retailers	276.9	274.5	310.8	286.7	-	256.0	254.2	289.0	264.8	-
598	Fuel and ice dealers	104.3	111.7	107.7	110.1	-	87.1	94.5	90.6	92.2	-
599	Retail stores, nec.	268.7	256.9	277.6	263.5	-	225.2	213.5	233.8	221.4	-
	FINANCE, INSURANCE, AND REAL ESTATE	5,331	5,235	5,350	5,329	5,324	4,026	3,950	4,025	3,997	3,990
60	BANKING	1,624.2	1,601.2	1,640.3	1,642.3	-	1,240.7	1,225.8	1,244.3	1,239.1	-
602	Commercial and stock savings banks	1,480.5	1,460.2	1,495.2	1,497.7	-	1,124.8	1,111.2	1,128.0	1,123.4	-
61	CREDIT AGENCIES OTHER THAN BANKS	578.6	578.4	576.8	577.4	-	439.6	441.1	437.2	436.7	-
612	Savings and loan associations	257.6	264.4	272.3	273.0	-	203.0	201.2	206.9	207.7	-
614	Personal credit institutions	197.2	201.1	191.5	190.8	-	152.3	155.1	147.5	146.7	-
62	SECURITY, COMMODITY BROKERS, AND SERVICES	245.7	234.8	254.4	255.2	-	-	-	-	-	-
621	Security brokers and dealers	201.4	190.9	210.3	211.6	-	-	-	-	-	-
63	INSURANCE CARRIERS	1,237.2	1,232.8	1,238.1	1,233.3	-	857.3	859.1	852.5	848.8	-
631	Life insurance	535.3	533.2	536.7	533.6	-	332.5	329.7	331.9	330.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

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

[In thousands]

1972 SIC Code	Industry	All employees					Production workers ¹				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	INSURANCE CARRIERS—Continued										
632	Medical service and health insurance	144.3	144.1	143.5	142.7	-	114.9	115.2	114.2	113.7	-
633	Fire, marine, and casualty insurance	484.4	482.0	486.6	486.1	-	352.8	356.2	351.3	350.1	-
64	INSURANCE AGENTS, BROKERS, AND SERVICE	457.5	461.5	472.0	471.2	-	-	-	-	-	-
65	REAL ESTATE	1,029.7	984.2	1,016.4	997.6	-	-	-	-	-	-
651	Real estate operators and lessors	477.8	458.2	477.6	472.5	-	-	-	-	-	-
653	Real estate agents and managers	330.1	377.9	386.1	380.8	-	-	-	-	-	-
655	Subdividers and developers	140.6	126.4	132.8	124.5	-	-	-	-	-	-
66	COMBINED REAL ESTATE, INSURANCE, ETC	21.1	21.3	21.1	21.1	-	-	-	-	-	-
67	HOLDING AND OTHER INVESTMENT OFFICES	126.7	121.2	130.8	131.2	-	-	-	-	-	-
	SERVICES	18,598	17,972	18,762	18,510	18,675	16,534	15,953	16,668	16,411	16,554
70	HOTELS AND OTHER LODGING PLACES	1,102.5	993.9	1,033.1	1,006.9	-	-	-	-	-	-
701	Hotels, motels, and tourist courts	1,061.2	964.8	1,001.5	977.6	-	971.6	880.1	913.6	891.4	-
72	PERSONAL SERVICES	893.6	894.7	898.0	919.3	-	-	-	-	-	-
721	Laundry, cleaning, and garment services	354.3	354.7	355.4	353.7	-	316.6	316.9	317.5	315.0	-
723	Beauty shops	285.7	281.7	292.3	289.8	-	264.8	261.3	269.6	269.6	-
726	Funeral service and crematories	72.5	71.2	73.7	73.8	-	-	-	-	-	-
73	BUSINESS SERVICES	3,307.9	3,206.4	3,382.2	3,310.0	-	2,891.0	2,797.8	2,955.2	2,881.5	-
731	Advertising	156.1	154.6	157.1	156.9	-	119.8	117.7	121.2	120.5	-
732	Credit reporting and collection	71.7	72.1	71.0	70.4	-	-	-	-	-	-
733	Mailing, reproduction, stenographic	129.2	123.8	133.9	133.7	-	-	-	-	-	-
734	Services to buildings	516.4	495.3	528.2	519.4	-	468.7	447.4	480.5	473.3	-
736	Personnel supply services	604.4	593.9	596.4	561.6	-	-	-	-	-	-
737	Computer and data processing services	344.2	325.9	361.5	364.5	-	285.6	272.8	296.6	295.1	-
75	AUTO REPAIR, SERVICES, AND GARAGES	577.7	571.5	579.4	575.3	-	492.3	486.3	493.9	487.6	-
753	Automotive repair shops	354.5	349.3	356.5	353.9	-	299.9	296.2	301.4	296.8	-
76	MISCELLANEOUS REPAIR SERVICES	296.3	291.5	302.7	297.0	-	248.6	242.8	255.7	251.4	-
78	MOTION PICTURES	213.3	202.1	207.2	199.5	-	182.2	172.0	176.4	168.7	-
781	Motion picture production and services	73.7	76.6	78.0	73.8	-	60.5	63.4	64.4	60.5	-
783	Motion picture theaters	128.9	114.5	118.4	115.3	-	-	-	-	-	-
79	AMUSEMENT AND RECREATION SERVICES	801.7	664.9	751.8	718.5	-	725.4	594.4	676.6	642.7	-
80	HEALTH SERVICES	5,534.5	5,406.8	5,638.7	5,556.3	-	4,949.9	4,828.9	5,047.7	5,064.2	-
801	Offices of physicians	782.5	767.2	795.0	797.7	-	642.8	628.5	652.3	655.2	-
802	Offices of dentists	356.0	345.9	364.7	368.9	-	313.8	303.0	323.6	327.2	-
805	Nursing and personal care facilities	1,049.1	1,027.7	1,064.5	1,063.9	-	948.6	927.4	963.6	967.5	-
806	Hospitals	2,884.3	2,815.9	2,939.6	2,947.0	-	2,643.7	2,579.3	2,695.6	2,702.8	-
81	LEGAL SERVICES	537.0	518.9	546.6	548.7	-	458.4	443.4	462.5	463.7	-
82	EDUCATIONAL SERVICES	1,142.3	1,136.2	1,220.9	1,137.1	-	-	-	-	-	-
821	Elementary and secondary schools	292.2	297.6	301.1	298.1	-	-	-	-	-	-
822	Colleges and universities	728.5	718.1	794.5	715.4	-	-	-	-	-	-
83	SOCIAL SERVICES	1,183.1	1,171.7	1,189.8	1,180.2	-	-	-	-	-	-
86	MEMBERSHIP ORGANIZATIONS	1,583.5	1,557.3	1,598.6	1,566.2	-	-	-	-	-	-
89	MISCELLANEOUS SERVICES	1,039.6	1,019.2	1,046.3	1,056.7	-	866.1	848.9	864.6	869.4	-
891	Engineering and architectural services	566.8	553.2	568.7	566.3	-	479.5	468.4	475.8	469.3	-
893	Accounting, auditing, and bookkeeping	338.3	335.0	342.1	355.5	-	273.9	271.3	276.0	287.1	-
	GOVERNMENT	16,054	16,216	16,129	15,890	16,084	-	-	-	-	-
	FEDERAL GOVERNMENT	2,772	2,773	2,729	2,713	2,715	-	-	-	-	-
	Executive, by agency ⁴	2,717.3	2,717.6	2,675.2	2,658.6	-	-	-	-	-	-
	Department of Defense	912.8	892.9	924.4	924.1	-	-	-	-	-	-
	Postal Service	661.0	652.9	671.7	560.5	-	-	-	-	-	-
	Other executive agencies	1,143.6	1,171.8	1,079.1	1,074.0	-	-	-	-	-	-
	Legislative	39.3	40.8	38.5	39.3	-	-	-	-	-	-
	Judicial	15.2	15.0	15.3	15.3	-	-	-	-	-	-

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				
		Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	FEDERAL GOVERNMENT—Continued										
	Federal Government, by industry										
—	Manufacturing activities	109.4	107.5	112.3	112.6	—	—	—	—	—	—
3731	Shipbuilding and repairing	58.1	57.4	59.8	60.1	—	—	—	—	—	—
—	Transportation and public utilities, except										
—	Postal Service	41.2	40.5	42.4	41.2	—	—	—	—	—	—
—	Services	406.9	408.8	401.8	430.5	—	—	—	—	—	—
806	Federal government hospitals	232.1	234.5	231.5	231.0	—	—	—	—	—	—
—	STATE AND LOCAL GOVERNMENT	13,282	13,443	13,400	13,177	13,369	—	—	—	—	—
—	State government	3,562.5	3,556.6	3,625.7	3,535.3	—	—	—	—	—	—
806	State government hospitals	533.2	535.0	533.5	532.5	—	—	—	—	—	—
82	State education	1,356.9	1,362.4	1,451.9	1,363.3	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	1,035.8	1,030.8	1,029.7	1,031.2	—	—	—	—	—	—
—	Local government	9,719.1	9,886.4	9,773.8	9,541.6	—	—	—	—	—	—
—	Transportation and public utilities	636.5	628.0	638.2	640.0	—	—	—	—	—	—
806	Local government hospitals	628.4	616.8	637.8	639.1	—	—	—	—	—	—
82	Local education	5,150.9	5,338.8	5,367.8	5,249.0	—	—	—	—	—	—
—	General administration including executive, legislative, and judicial functions	2,942.4	2,930.9	2,820.3	2,804.9	—	—	—	—	—	—

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.

— Data not available.
p = preliminary.

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

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

B-3. Women employees on nonagricultural payrolls by industry

[In thousands]

1972 SIC Code	Industry	Avg. 1981	Dec. 1980	Oct. 1981	Nov. 1981	Dec. 1981
	TOTAL	39,196	39,349	39,733	39,873	39,939
	PRIVATE SECTOR	31,491	31,368	32,016	32,058	32,135
-	MINING	125	112	133	134	135
10	METAL MINING	9.3	9.5	8.8	8.5	8.7
11, 12	COAL MINING	10.4	11.1	11.9	11.9	11.9
13	OIL AND GAS EXTRACTION	95.4	81.4	101.8	103.5	105.0
131, 2	Crude petroleum, natural gas, and natural gas liquids	60.9	53.1	64.3	65.1	66.1
138	Oil and gas field services	34.6	28.3	37.5	38.4	38.9
14	NONMETALLIC MINERALS, EXCEPT FUELS	9.9	9.5	10.0	10.0	9.7
142	Crushed and broken stone	2.6	2.4	2.7	2.7	2.6
144	Sand and gravel	3.2	3.2	3.2	3.2	3.0
-	CONSTRUCTION	398	388	404	401	398
15	GENERAL BUILDING CONTRACTORS	139.3	138.9	139.1	137.9	137.8
152	Residential building construction	83.2	82.4	83.5	82.9	83.1
153	Operative builders	14.5	14.3	14.3	14.0	13.8
154	Nonresidential building construction	41.6	42.2	41.3	41.0	40.9
16	HEAVY CONSTRUCTION CONTRACTORS	61.7	51.0	64.3	63.0	61.3
161	Highway and street construction	16.3	15.9	17.0	15.9	14.5
162	Heavy construction, except highway	45.3	35.1	47.3	47.1	46.8
17	SPECIAL TRADE CONTRACTORS	196.5	188.1	200.1	199.9	198.4
171	Plumbing, heating, air conditioning	54.0	52.4	54.9	54.9	54.8
172	Painting, paper hanging, decorating	12.5	12.0	12.7	12.9	11.9
173	Electrical work	36.8	35.4	37.1	37.5	37.6
174	Masonry, stonework, and plastering	23.5	21.7	24.1	24.1	24.1
175	Carpentering and flooring	15.4	14.8	15.2	15.1	15.0
176	Roofing and sheet metal work	13.7	13.3	14.1	14.0	13.8
	MANUFACTURING	6,374	6,302	6,478	6,396	6,281
24, 25, 32-38	DURABLE GOODS	3,054	3,017	3,095	3,054	3,004
20-23, 26-31	NONDURABLE GOODS	3,320	3,285	3,383	3,342	3,277
	DURABLE GOODS					
24	LUMBER AND WOOD PRODUCTS	103.6	103.0	102.1	98.4	95.4
241	Logging camps and logging contractors	5.5	4.9	5.5	5.5	5.4
242	Sawmills and planing mills	19.8	20.2	19.2	18.5	17.9
2421	Sawmills and planing mills, general	14.1	14.5	13.7	13.2	12.7
243	Millwork, plywood, and structural members	42.4	41.6	41.5	39.2	37.7
244	Wood containers	7.0	7.2	6.9	6.8	7.0
245	Wood buildings and mobile homes	8.2	8.0	8.2	7.9	7.5
249	Miscellaneous wood products	20.7	21.1	20.8	20.5	19.9
25	FURNITURE AND FIXTURES	144.1	141.9	147.0	144.7	143.2
251	Household furniture	102.9	103.1	103.7	102.3	101.9
2511	Wood household furniture	44.1	44.7	44.3	43.7	43.7
2512	Upholstered household furniture	34.4	34.1	34.6	34.0	33.7
2515	Mattresses and bedsprings	8.2	7.9	8.1	7.8	7.7
252	Office furniture	13.3	12.6	13.7	13.6	13.5
253	Public building and related furniture	5.5	5.0	5.9	5.8	5.7
254	Partitions and fixtures	10.8	10.4	11.3	10.9	10.5
259	Miscellaneous furniture and fixtures	11.6	10.8	12.4	12.1	11.6
32	STONE, CLAY, AND GLASS PRODUCTS	127.8	125.6	129.4	127.4	124.4
322	Glass and glassware, pressed or blown	40.9	40.3	41.5	40.4	39.6
3221	Glass containers	22.8	22.2	23.0	22.1	21.9
3229	Pressed and blown glass, nec	18.1	18.1	18.5	18.3	17.7
323	Products of purchased glass	13.4	13.3	13.4	13.4	12.9
324	Cement, hydraulic	1.7	1.7	1.7	1.7	1.7
325	Structural clay products	6.6	6.5	6.7	6.6	6.5
326	Pottery and related products	14.7	14.9	14.9	14.5	14.1
327	Concrete, gypsum, and plaster products	14.9	15.2	14.8	14.7	14.5
329	Misc. nonmetallic mineral products	32.4	31.0	32.9	32.7	32.1
33	PRIMARY METAL INDUSTRIES	124.0	124.8	121.9	118.9	115.7
331	Blast furnace and basic steel products	40.7	39.3	39.8	38.1	37.3
3312	Blast furnaces and steel mills	30.6	29.3	29.4	28.1	27.5
332	Iron and steel foundries	17.9	18.6	17.7	17.2	16.4

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Avg. 1981	Dec. 1981	Oct. 1981	Nov. 1981	Dec. 1981
PRIMARY METAL INDUSTRIES—Continued						
3321	Gray iron foundries	8.8	9.0	8.6	8.3	7.6
3322	Malleable iron foundries	1.1	1.0	1.0	1.0	.9
3325	Steel foundries, nec	4.7	4.9	4.6	4.5	4.5
333	Primary nonferrous metals	5.1	5.0	5.0	4.9	4.8
3334	Primary aluminum	2.2	2.2	2.2	2.1	2.0
335	Nonferrous rolling and drawing	38.9	41.6	38.0	37.5	36.8
3351	Copper rolling and drawing	3.5	3.2	3.4	3.4	3.3
3353	Aluminum sheet, plate, and foil	3.8	3.9	3.7	3.4	3.2
3357	Nonferrous wire drawing and insulating	23.6	26.2	23.3	23.2	23.1
336	Nonferrous foundries	15.5	14.6	15.5	15.3	14.9
3361	Aluminum foundries	8.0	7.2	8.0	7.9	7.8
34	FABRICATED METAL PRODUCTS	335.2	334.7	336.9	329.7	321.9
341	Metal cans and shipping containers	12.5	12.3	11.9	11.9	11.2
3411	Metal cans	10.7	10.6	10.1	9.6	9.5
342	Cutlery, hand tools, and hardware	57.0	57.3	56.7	55.9	54.6
3423, 5	Hand and edge tools, and hand saws and blades	16.4	16.2	16.5	16.2	16.4
3429	Hardware, nec	34.0	34.1	33.8	33.3	31.9
343	Plumbing and heating, except electric	16.6	16.2	16.9	16.7	16.9
344	Fabricated structural metal products	71.4	71.5	71.6	70.2	69.4
3441	Fabricated structural metal	7.4	7.3	7.4	7.3	7.4
3442	Metal doors, sash, and trim	20.0	21.0	20.2	19.4	18.7
3443	Fabricated plate work (boiler shops)	18.6	18.5	18.7	18.6	18.4
3444	Sheet metal work	15.8	15.4	15.8	15.4	15.4
345	Screw machine products, bolts, etc.	23.3	23.5	23.5	22.9	22.3
3451	Screw machine products	12.0	12.1	12.1	11.7	11.4
3452	Bolts, nuts, rivets, and washers	11.4	11.4	11.4	11.2	10.9
346	Metal forgings and stampings	51.8	53.2	51.8	49.3	47.2
3462	Iron and steel forgings	4.2	4.3	4.1	4.0	3.9
3465	Automotive stampings	12.7	13.8	12.7	11.7	10.7
3469	Metal stampings, nec	32.4	32.6	32.4	31.0	30.1
347	Metal services, nec	24.3	24.1	25.1	24.8	23.2
3471	Plating and polishing	17.4	17.1	18.1	18.0	16.7
3479	Metal coating and allied services	6.9	7.0	7.0	6.8	6.5
348	Ordnance and accessories, nec	17.2	17.3	17.0	17.2	17.1
349	Misc. fabricated metal products	61.1	59.3	62.4	61.4	60.0
3494	Valves and pipe fittings	23.1	22.2	23.3	23.2	22.9
3496	Misc. fabricated wire products	14.8	14.5	15.2	15.0	14.5
35	MACHINERY, EXCEPT ELECTRICAL	508.7	500.0	517.3	515.6	512.6
351	Engines and turbines	24.2	24.7	25.2	25.6	25.2
3511	Turbines and turbine generator sets	5.9	6.1	5.9	5.9	5.9
3519	Internal combustion engines, nec	18.3	18.6	19.3	19.7	19.3
352	Farm and garden machinery	27.0	28.3	26.9	26.7	26.8
3523	Farm machinery and equipment	20.2	21.4	19.6	19.0	18.7
353	Construction and related machinery	52.4	50.0	53.6	53.6	53.8
3531	Construction machinery	15.4	14.4	15.9	15.9	15.8
3533	Oil field machinery	16.0	14.4	16.9	17.2	17.5
354	Metalworking machinery	57.4	57.1	57.4	57.2	56.2
3541	Machine tools, metal cutting types	10.5	10.5	10.4	10.0	9.8
3544	Special dies, tools, jigs, and fixtures	15.8	15.6	15.8	15.9	15.5
3545	Machine tool accessories	13.6	13.4	13.5	13.4	13.4
355	Special industry machinery	30.5	31.1	30.1	29.9	29.4
3551	Food products machinery	5.7	6.2	5.5	5.5	5.5
3552	Textile machinery	4.9	5.0	4.8	4.8	4.7
3555	Printing trades machinery	7.4	7.4	7.3	7.3	7.4
356	General industrial machinery	62.2	62.1	61.6	61.0	60.8
3561	Pumps and pumping equipment	11.6	11.3	11.7	11.5	11.6
3562	Ball and roller bearings	13.7	14.0	13.3	13.3	13.1
357	Office and computing machines	164.6	159.4	170.6	171.4	171.8
3573	Electronic computing equipment	136.4	131.1	142.1	143.1	143.9
358	Refrigeration and service machinery	39.2	38.6	39.3	38.3	37.9
3585	Refrigeration and heating equipment	26.4	26.5	26.4	25.2	24.9
359	Misc. machinery, except electrical	51.3	48.7	52.6	51.9	50.7
3599	Machinery, except electrical, nec	40.4	38.8	41.9	41.6	41.1
36	ELECTRIC AND ELECTRONIC EQUIPMENT	910.1	901.1	923.5	909.4	898.6
361	Electric distributing equipment	46.0	45.2	46.8	46.1	45.8
3612	Transformers	18.8	17.8	19.7	19.2	18.8
3613	Switchgear and switchboard apparatus	27.2	27.4	27.1	26.9	27.0
362	Electrical industrial apparatus	90.2	89.0	89.5	86.7	87.1
3621	Motors and generators	49.4	47.7	48.7	47.0	47.6
3622	Industrial controls	28.3	28.5	28.1	27.2	27.1
363	Household appliances	60.7	60.9	62.8	57.9	53.1
3632	Household refrigerators and freezers	10.0	9.2	9.8	7.6	6.5
3633	Household laundry equipment	4.1	4.3	4.2	3.3	2.7
3634	Electric housewares and fans	29.0	28.9	30.5	29.7	28.0
364	Electric lighting and wiring equipment	95.3	94.9	95.7	94.9	92.5
3641	Electric lamps	21.1	22.2	21.3	21.2	20.3

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1981	Dec. 1983	Oct. 1991	Nov. 1981	Dec. 1981
ELECTRIC AND ELECTRONIC EQUIPMENT—Continued						
3643	Current-carrying wiring devices	43.2	41.8	43.5	43.4	43.1
365	Radio and TV receiving equipment	58.0	53.1	59.0	57.2	55.0
3651	Radio and TV receiving sets	44.9	45.3	45.8	44.9	42.9
366	Communication equipment	208.7	206.3	210.8	210.1	212.2
3661	Telephone and telegraph apparatus	74.1	75.6	73.1	71.3	72.8
3662	Radio and TV communication equipment	134.7	130.7	137.7	138.8	139.4
367	Electronic components and accessories	291.1	297.9	296.0	294.4	293.9
3671-3	Electronic tubes	16.3	16.1	16.3	15.9	15.7
3674	Semiconductors and related devices	108.2	109.9	108.2	108.0	108.2
3679	Electronic components, nec	118.1	115.1	122.0	121.9	121.6
369	Misc. electrical equipment and supplies	60.1	57.8	62.9	62.1	59.0
3694	Engine electrical equipment	30.0	28.7	31.9	31.1	28.4
37	TRANSPORTATION EQUIPMENT	301.8	294.3	308.1	303.6	295.0
371	Motor vehicles and equipment	103.9	105.9	107.2	104.5	99.6
3711	Motor vehicles and car bodies	36.5	38.7	37.8	37.4	35.3
3713	Truck and bus bodies	3.8	4.2	3.8	3.7	3.4
3714	Motor vehicle parts and accessories	59.9	59.5	61.4	59.5	56.9
372	Aircraft and parts	125.5	121.7	126.8	125.8	125.7
3721	Aircraft	70.5	55.3	72.4	72.4	72.1
3724	Aircraft engines and engine parts	27.9	29.0	27.4	26.8	26.7
3728	Aircraft equipment, nec	27.1	27.4	27.0	26.6	26.9
373	Ship and boat building and repairing	24.3	22.1	24.8	24.5	24.3
3731	Ship building and repairing	17.5	16.0	17.8	17.9	17.7
374	Railroad equipment	5.4	6.1	5.0	4.9	4.8
376	Guided missiles, space vehicles, parts	27.2	25.8	27.9	28.1	28.6
3761	Guided missiles and space vehicles	22.6	21.5	23.3	23.4	23.9
379	Miscellaneous transportation equipment	7.7	7.4	8.3	7.7	7.6
38	INSTRUMENTS AND RELATED PRODUCTS	305.4	303.9	306.5	306.3	305.7
381	Engineering and scientific instruments	24.5	24.3	24.7	24.6	24.8
382	Measuring and controlling devices	106.5	106.1	106.8	105.9	105.2
3822	Environmental controls	23.2	24.1	23.0	22.0	21.5
3823	Process control instruments	19.5	18.7	19.8	19.7	19.4
3825	Instruments to measure electricity	48.4	47.5	48.5	48.6	48.7
383	Optical instruments and lenses	11.5	11.2	11.8	11.7	11.7
384	Medical instruments and supplies	86.6	85.6	86.9	87.9	88.7
3841	Surgical and medical instruments	42.2	41.7	42.4	42.5	43.1
3842	Surgical appliances and supplies	36.2	35.6	36.5	37.2	37.3
385	Ophthalmic goods	24.8	25.3	24.1	24.2	23.9
386	Photographic equipment and supplies	40.4	39.2	40.7	41.1	41.1
387	Watches, clocks, and watchcases	11.2	12.2	11.5	10.9	10.3
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	193.4	188.1	202.5	200.3	191.6
391	Jewelry, silverware, and plated ware	25.7	27.1	27.3	27.7	27.2
393	Musical instruments	10.2	10.3	10.4	10.2	10.3
394	Toys and sporting goods	59.7	53.1	63.7	61.9	56.4
3942, 4	Dolls, games, toys, and children's vehicles	32.8	25.9	36.5	34.2	28.7
3949	Sporting and athletic goods, nec	26.9	26.2	27.2	27.7	27.7
395	Pens, pencils, office and art supplies	20.9	20.6	21.6	21.4	21.2
396	Costume jewelry and notions	27.3	29.1	28.0	28.2	26.8
399	Miscellaneous manufactures	49.6	47.9	51.5	50.9	49.7
NONDURABLE GOODS						
20	FOOD AND KINDRED PRODUCTS	500.5	497.8	530.7	511.6	493.2
201	Meat products	113.5	116.1	114.7	115.0	113.2
2011	Meat packing plants	28.9	29.4	29.4	29.0	28.7
2013	Sausages and other prepared meats	20.5	20.4	20.5	20.8	20.7
2016	Poultry dressing plants	57.8	59.1	58.5	58.8	57.7
202	Dairy products	37.3	37.9	37.0	36.9	36.9
2026	Fluid milk	17.1	17.1	16.8	16.6	16.5
203	Preserved fruits and vegetables	101.1	92.7	117.0	101.8	87.5
2032	Canned specialties	9.1	9.2	9.8	9.3	9.2
2033	Canned fruits and vegetables	37.3	31.0	45.0	33.3	25.4
2037	Frozen fruits and vegetables	20.3	18.1	24.0	23.1	19.4
204	Grain mill products	30.0	30.3	30.7	30.4	30.3
205	Bakery products	57.9	58.0	59.0	58.8	58.1
2051	Bread, cake, and related products	38.7	38.8	39.2	39.1	38.8
2052	Cookies and crackers	19.2	19.2	19.8	19.7	19.3
206	Sugar and confectionery products	44.5	46.3	52.5	51.6	49.8
207	Fats and oils	6.1	6.1	6.1	6.2	6.3
208	Beverages	42.2	41.5	43.6	43.5	43.4
2082	Malt beverages	7.8	7.6	8.2	8.2	8.3
2086	Bottled and canned soft drinks	19.3	18.5	19.6	19.6	19.5
209	Misc. foods and kindred products	67.9	68.9	70.1	67.4	67.7
21	TOBACCO MANUFACTURES	25.9	26.9	29.4	27.8	26.4
211	Cigarettes	15.0	15.2	14.6	14.6	14.6

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Avg. 1981	Dec. 1980	Oct. 1981	Nov. 1981	Dec. 1981
22	TEXTILE MILL PRODUCTS	397.3	398.9	397.2	393.8	386.7
221	Weaving mills, cotton	61.8	64.5	60.8	61.0	60.4
222	Weaving mills, synthetics	48.7	48.6	47.6	48.3	47.6
223	Weaving and finishing mills, wool	7.2	7.1	7.1	7.3	7.1
224	Narrow fabric mills	14.4	13.8	14.7	14.3	14.3
225	Knitting mills	139.8	140.2	140.7	138.1	135.5
2251	Women's hosiery, except socks	22.5	22.9	22.7	22.8	23.1
2252	Hosiery, nec	24.6	24.1	24.9	24.4	24.5
2253	Knit outerwear mills	49.9	48.1	51.8	51.1	48.4
2254	Knit underwear mills	22.8	23.8	22.1	21.9	21.3
2257	Circular knit fabric mills	11.6	12.4	11.1	10.4	10.4
226	Textile finishing, except wool	21.7	21.1	22.2	21.9	21.1
2261	Finishing plants, cotton	9.3	8.8	10.0	9.8	9.4
2262	Finishing plants, synthetic	6.3	6.3	6.2	6.2	6.0
227	Floor covering mills	22.3	22.1	23.0	22.4	21.5
228	Yarn and thread mills	61.8	61.9	61.6	61.2	60.1
2281	Yarn mills, except wool	39.1	39.0	38.5	38.6	38.1
2282	Throwing and winding mills	11.9	12.2	11.9	11.8	11.2
229	Miscellaneous textile goods	19.6	19.6	19.5	19.3	19.1
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,012.6	999.4	1,026.7	1,016.1	989.2
231	Men's and boys' suits and coats	60.9	60.8	61.5	62.3	62.5
232	Men's and boys' furnishings	295.7	296.5	297.7	297.1	292.7
2321	Men's and boys' shirts and nightwear	84.2	83.7	86.1	84.8	83.3
2327	Men's and boys' separate trousers	62.0	63.1	61.6	62.9	61.6
2328	Men's and boys' work clothing	83.9	84.8	83.2	83.5	83.5
233	Women's and misses' outerwear	349.5	340.8	353.0	346.6	330.4
2331	Women's and misses' blouses and waists	54.7	54.3	55.5	55.1	52.5
2335	Women's and misses' dresses	120.1	117.7	120.2	117.2	112.4
2337	Women's and misses' suits and coats	51.1	52.4	52.7	49.8	45.5
2339	Women's and misses' outerwear, nec	123.7	116.4	124.6	124.5	120.0
234	Women's and children's undergarments	76.9	74.9	79.3	78.3	76.9
2341	Women's and children's underwear	62.4	60.6	64.6	63.9	62.4
2342	Brassieres and allied garments	14.6	14.3	14.7	14.4	14.5
235	Children's outerwear	55.9	53.9	55.9	56.3	56.0
2351	Children's dresses and blouses	24.9	24.3	25.3	25.6	25.4
2352	Misc. apparel and accessories	42.1	41.9	43.1	41.8	41.2
236	Misc. fabricated textile products	116.5	115.2	121.7	119.1	115.3
2361	Curtains and draperies	22.5	21.6	24.0	23.7	23.4
2362	House furnishings, nec	31.9	31.9	34.1	34.1	33.1
2366	Automotive and apparel trimmings	17.4	17.8	18.5	16.9	15.1
26	PAPER AND ALLIED PRODUCTS	161.0	158.7	161.8	159.7	158.3
261, 262	Paper and pulp mills	28.1	28.1	28.2	28.1	27.7
262	Paper mills, except building paper	25.3	25.1	25.5	25.3	25.0
263	Paperboard mills	6.0	5.9	6.0	5.8	5.8
264	Misc. converted paper products	77.9	75.2	78.1	76.8	77.0
265	Paperboard containers and boxes	49.1	49.5	49.5	49.0	47.8
27	PRINTING AND PUBLISHING	513.9	508.1	521.5	523.7	527.4
271	Newspapers	164.4	161.8	167.8	168.9	169.8
272	Periodicals	55.0	53.9	55.8	56.6	57.0
273	Books	54.7	54.7	53.3	54.2	55.1
274	Miscellaneous publishing	27.5	27.3	26.9	27.3	28.3
275	Commercial printing	137.5	135.2	140.7	140.7	141.1
2751	Commercial printing, letterpress	57.7	56.8	59.4	59.7	59.8
2752	Commercial printing, lithographic	73.4	72.7	74.8	74.5	74.7
276	Manifold business forms	15.7	15.9	15.8	16.0	16.0
276	Blankbooks and bookbinding	32.6	32.3	33.5	32.7	32.8
279	Printing trade services	11.5	11.0	12.0	12.0	12.1
28	CHEMICALS AND ALLIED PRODUCTS	282.6	278.8	283.6	283.5	281.9
281	Industrial inorganic chemicals	24.5	24.3	24.4	24.7	24.4
2819	Industrial inorganic chemicals, nec	16.5	16.6	16.4	16.5	16.2
282	Plastics materials and synthetics	43.5	43.4	43.6	43.0	43.1
2821	Plastics materials and resins	11.6	11.5	11.7	11.6	11.5
2824	Organic fibers, noncellulosic	25.2	25.4	25.3	25.1	25.3
283	Drugs	86.1	83.6	86.8	86.6	86.3
2834	Pharmaceutical preparations	72.1	70.3	72.7	72.5	72.5
284	Soap, cleaners, and toilet goods	56.7	57.3	56.7	56.9	55.7
2841	Soap and other detergents	9.3	9.5	9.0	9.3	9.2
2844	Toilet preparations	33.9	34.1	34.2	34.1	33.6
285	Paints and allied products	12.5	12.4	12.6	12.3	12.2
286	Industrial organic chemicals	26.6	25.8	27.2	27.5	27.6
2861,9	Gum, wood, and industrial organic chemicals, nec	22.3	21.4	22.8	23.2	23.3
287	Agricultural chemicals	10.9	10.5	10.8	10.8	10.9
289	Miscellaneous chemical products	21.7	21.5	21.5	21.7	21.7

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1981	Dec. 1981	Jan. 1982	Nov. 1981	Dec. 1981
29	PETROLEUM AND COAL PRODUCTS	30.4	28.7	31.0	31.1	31.2
291	Petroleum refining	25.2	23.6	25.7	25.9	26.1
30	RUBBER AND MISC. PLASTICS PRODUCTS	257.2	251.1	260.1	255.1	249.4
301	Tires and inner tubes	11.7	11.6	11.5	11.4	11.5
302	Rubber and plastics footwear	12.4	13.0	11.3	12.4	12.4
303,4	Reclaimed rubber, and rubber and plastics hose and belting	6.4	5.9	6.7	6.4	6.2
306	Fabricated rubber products, nec	36.5	35.8	37.3	36.3	34.9
307	Miscellaneous plastics products	190.2	184.8	193.3	188.6	184.4
31	LEATHER AND LEATHER PRODUCTS	138.8	136.5	141.4	139.7	133.3
311	Leather tanning and finishing	2.9	2.8	3.0	2.9	2.9
314	Footwear, except rubber	94.2	92.3	94.9	93.7	89.4
3143	Men's footwear, except athletic	35.9	35.4	36.7	36.7	34.3
3144	Women's footwear, except athletic	35.5	34.8	35.0	34.4	33.6
316	Luggage	8.1	7.9	8.0	8.1	7.8
317	Handbags and personal leather goods	20.1	20.0	21.2	20.5	19.4
	TRANSPORTATION AND PUBLIC UTILITIES	1,337	1,318	1,363	1,361	1,365
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	69.7	72.2	81.1	81.2	81.0
411	Local and suburban transportation	15.7	14.9	16.7	16.2	17.1
412	Taxicabs	7.1	7.2	7.1	7.2	7.3
413	Intercity highway transportation	5.0	5.2	4.9	4.9	5.0
415	School buses	39.2	42.4	49.5	50.0	48.8
42	TRUCKING AND WAREHOUSING	152.1	153.9	154.7	156.1	157.5
421,3	Trucking and trucking terminals	136.1	138.2	135.9	137.8	140.1
422	Public warehousing	16.0	15.7	18.8	18.3	17.4
44	WATER TRANSPORTATION	22.5	20.3	23.3	23.3	23.6
45	TRANSPORTATION BY AIR	150.6	147.7	150.1	147.8	146.9
451,2	Air transportation	141.7	139.1	140.9	138.8	137.7
46	PIPE LINES, EXCEPT NATURAL GAS	3.2	3.0	3.3	3.4	3.4
47	TRANSPORTATION SERVICES	101.8	91.4	108.7	107.3	107.3
48	COMMUNICATION	642.6	639.2	647.3	648.4	650.9
481	Telephone communication	551.9	551.2	553.6	553.9	555.6
483	Radio and television broadcasting	66.0	65.7	67.4	68.4	68.7
49	ELECTRIC, GAS, AND SANITARY SERVICES	166.4	157.8	168.9	169.1	169.9
491	Electric services	77.9	74.6	79.1	79.2	79.9
492	Gas production and distribution	38.9	37.1	39.5	39.5	39.4
493	Combination utility services	38.3	35.3	38.8	39.0	39.0
495	Sanitary services	6.2	5.9	6.5	6.5	6.6
	WHOLESALE AND RETAIL TRADE	9,127	9,449	9,315	9,433	9,636
50,51	WHOLESALE TRADE	1,392	1,392	1,418	1,424	1,414
50	WHOLESALE TRADE-DURABLE GOODS	774	764	783	788	790
501	Motor vehicles and automotive equipment	89.5	88.8	91.1	90.9	90.8
502	Furniture and home furnishings	46.0	44.6	47.6	48.5	48.6
503	Lumber and construction materials	36.6	35.4	37.0	37.5	37.9
504	Sporting goods, toys, and hobby goods	25.3	24.3	25.8	26.0	25.9
505	Metals and minerals, except petroleum	29.9	29.5	30.0	30.0	30.1
506	Electrical goods	123.7	123.1	125.2	126.7	127.2
507	Hardware, plumbing, and heating equipment	66.2	65.5	66.6	66.4	66.5
508	Machinery, equipment, and supplies	309.8	304.4	312.7	315.3	316.7
509	Miscellaneous durable goods	47.2	47.9	47.2	47.0	46.6
51	WHOLESALE TRADE-NONDURABLE GOODS	618	628	635	636	624
511	Paper and paper products	48.9	47.7	49.2	49.9	50.0
512	Drugs, proprietaries, and sundries	65.9	65.0	66.4	66.6	66.6
513	Apparel, piece goods, and notions	82.5	82.8	83.7	83.8	82.6
514	Groceries and related products	159.7	154.2	163.2	163.3	158.7
516	Chemicals and allied products	35.3	35.3	35.2	36.0	35.6
517	Petroleum and petroleum products	52.5	53.1	52.9	53.3	53.2
518	Beer, wine, and distilled beverages	22.0	22.1	21.9	22.2	22.2
519	Miscellaneous nondurable goods	115.2	115.0	119.1	118.1	116.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1981	Dec. 1980	Oct. 1981	Nov. 1981	Dec. 1981
52-59	RETAIL TRADE	7,735	8,057	7,897	8,009	8,222
52	BUILDING MATERIALS AND GARDEN SUPPLIES	163.3	155.9	163.8	162.7	163.0
521	Lumber and other building materials	65.9	66.3	66.3	66.0	65.4
525	Hardware stores	55.8	57.4	56.2	56.5	57.9
53	GENERAL MERCHANDISE STORES	1,529.9	1,756.9	1,557.4	1,607.1	1,701.5
531	Department stores	1,252.4	1,444.8	1,278.3	1,319.5	1,394.5
533	Variety stores	194.5	219.1	193.6	197.6	208.9
539	Misc. general merchandise stores	83.0	93.0	85.5	90.0	98.1
54	FOOD STORES	1,056.8	1,064.4	1,074.2	1,087.1	1,098.6
541	Grocery stores	884.6	886.3	898.8	908.1	913.0
542	Meat markets and freezer provisioners	17.0	17.7	16.7	16.9	16.9
546	Retail bakeries	80.5	81.7	81.6	82.1	82.6
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	309.5	306.4	314.9	313.9	317.6
551,2	New and used car dealers	113.2	113.0	114.0	113.2	112.9
553	Auto and home supply stores	49.6	50.9	50.3	50.2	52.4
554	Gasoline service stations	131.6	127.5	135.9	136.3	138.3
56	APPAREL AND ACCESSORY STORES	683.9	762.5	686.5	713.0	770.3
561	Men's and boys' clothing and furnishings	59.7	59.7	59.7	61.9	70.0
562	Women's ready-to-wear stores	316.6	352.9	318.3	329.6	352.2
565	Family clothing stores	143.3	163.3	142.8	151.5	169.8
566	Shoe stores	84.7	99.5	84.6	86.1	90.2
57	FURNITURE AND HOME FURNISHING STORES	208.7	214.3	212.2	215.2	217.8
571	Furniture and home furnishings stores	139.0	141.3	141.2	141.7	142.4
572	Household appliance stores	23.4	24.6	23.8	25.1	25.3
573	Radio, television, and music stores	46.3	48.4	47.2	48.4	50.1
58	EATING AND DRINKING PLACES	2,711.8	2,661.9	2,784.0	2,771.3	2,767.8
59	MISCELLANEOUS RETAIL	1,071.0	1,124.8	1,104.1	1,138.3	1,185.2
591	Drug stores and proprietary stores	307.2	314.0	312.1	316.6	322.8
592	Liquor stores	34.0	33.1	36.0	37.1	39.0
594	Miscellaneous shopping goods stores	384.5	421.6	397.0	413.1	444.4
596	Nonstore retailers	169.1	177.3	181.8	192.4	194.4
598	Fuel and ice dealers	23.6	24.4	23.9	24.0	24.5
599	Retail stores, nec	132.3	134.8	133.3	135.3	140.5
-	FINANCE, INSURANCE, AND REAL ESTATE	3,171	3,103	3,189	3,197	3,204
60	BANKING	1,155.3	1,133.6	1,160.4	1,164.6	1,165.2
602	Commercial and stock savings banks	1,062.9	1,043.3	1,067.1	1,071.0	1,071.3
61	CREDIT AGENCIES OTHER THAN BANKS	397.2	387.1	398.0	398.9	403.3
612	Savings and loan associations	198.9	193.2	200.0	202.0	203.8
614	Personal credit institutions	127.2	122.5	126.6	126.0	125.6
62	SECURITY, COMMODITY BROKERS, AND SERVICES	104.1	97.1	107.8	109.0	110.2
621	Security brokers and dealers	85.1	79.2	88.7	89.7	91.0
63	INSURANCE CARRIERS	755.7	752.0	756.0	756.4	758.6
631	Life insurance	299.7	294.6	301.4	302.5	304.3
632	Medical service and health insurance	104.7	104.9	104.1	103.8	103.7
633	Fire, marine, and casualty insurance	302.2	302.6	301.9	302.3	303.1
64	INSURANCE AGENTS, BROKERS, AND SERVICE	294.5	297.4	298.3	299.5	299.7
65	REAL ESTATE	383.9	369.0	387.1	386.6	387.7
651	Real estate operators and lessors	150.4	142.7	152.4	152.4	155.2
653	Real estate agents and managers	180.3	176.4	181.3	181.3	179.8
655	Subdividers and developers	38.3	35.1	38.8	38.7	38.6
66	COMBINED REAL ESTATE, INSURANCE, ETC	12.8	13.5	12.5	12.6	12.8
67	HOLDING AND OTHER INVESTMENT OFFICES	67.2	53.3	69.3	68.9	69.6
-	SERVICES	10,960	10,696	11,134	11,136	11,116
70	HOTELS AND OTHER LODGING PLACES	600.4	550.6	599.6	574.8	558.4
701	Hotels, motels, and tourist courts	577.9	534.0	581.7	557.4	540.5

**ESTABLISHMENT DATA
WOMEN EMPLOYEES**

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

[In thousands]

1972 SIC Code	Industry	Aug. 1981	Dec. 1981	Oct. 1981	Nov. 1981	Dec. 1981
72	PERSONAL SERVICES	616.3	616.4	622.5	624.2	622.3
721	Laundry, cleaning, and garment services	224.9	226.3	226.5	227.4	225.9
723	Beauty shops	254.7	256.3	258.2	258.5	261.3
726	Funeral service and crematories	19.6	19.1	20.0	20.2	20.2
73	BUSINESS SERVICES	1,440.3	1,406.8	1,485.0	1,482.1	1,486.0
731	Advertising	74.5	72.7	74.7	75.4	75.9
732	Credit reporting and collection	51.1	52.4	50.7	50.3	50.3
733	Mailing, reproduction, stenographic	63.8	62.4	67.0	67.0	66.1
734	Services to buildings	198.0	137.9	234.3	206.6	208.3
736	Personnel supply services	371.9	375.3	384.6	371.2	373.5
737	Computer and data processing services	162.9	150.4	168.8	171.4	173.4
75	AUTO REPAIR, SERVICES, AND GARAGES	96.6	96.5	96.9	96.3	95.9
753	Automotive repair shops	43.9	42.2	45.0	44.6	45.3
76	MISCELLANEOUS REPAIR SERVICES	58.8	50.8	59.6	59.3	59.5
78	MOTION PICTURES	86.4	73.3	85.7	83.5	82.2
781	Motion picture production and services	23.0	24.3	24.0	25.1	23.7
783	Motion picture theaters	57.5	48.0	55.6	52.3	52.3
79	AMUSEMENT AND RECREATION SERVICES	312.7	267.0	297.0	289.2	295.3
80	HEALTH SERVICES	4,505.2	4,397.5	4,576.6	4,591.7	4,594.8
801	Offices of physicians	609.3	594.9	619.4	619.8	620.8
802	Offices of dentists	304.7	297.3	310.0	313.4	312.6
805	Nursing and personal care facilities	931.3	911.9	942.1	944.6	944.1
806	Hospitals	2,332.6	2,254.4	2,372.4	2,379.3	2,380.4
81	LEGAL SERVICES	379.8	367.5	385.8	388.5	387.2
82	EDUCATIONAL SERVICES	602.7	638.9	649.0	657.5	644.0
821	Elementary and secondary schools	186.2	200.7	184.5	185.3	184.1
822	Colleges and universities	347.7	369.8	394.1	401.2	388.6
83	SOCIAL SERVICES	881.3	874.8	889.6	893.8	896.3
89	MISCELLANEOUS SERVICES	346.5	328.9	348.9	350.4	352.9
891	Engineering and architectural services	124.1	113.1	124.6	125.1	125.7
893	Accounting, auditing, and bookkeeping	162.5	152.1	164.3	165.1	167.0
	GOVERNMENT	7,705	7,981	7,717	7,815	7,804
	FEDERAL GOVERNMENT	878	877	865	862	868
	STATE AND LOCAL GOVERNMENT	6,827	7,104	6,852	6,953	6,936
	State government	1,627.9	1,674.3	1,661.1	1,672.1	1,661.7
	Hospitals	335.3	335.2	336.2	336.3	337.3
	State education	646.1	701.5	682.2	695.7	684.4
	General administration including executive, legislative, and judicial functions	433.2	424.4	433.2	431.6	432.0
	Local government	5,199.4	5,429.8	5,190.4	5,280.7	5,274.7
	Transportation and public utilities	103.1	99.4	102.9	104.9	105.8
	Hospitals	511.0	499.5	516.1	517.4	519.5
	Local education	3,360.2	3,609.3	3,420.6	3,497.9	3,493.7
	General administration including executive, legislative, and judicial functions	1,005.2	991.2	958.8	968.3	961.9

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. P	Feb. P
TOTAL	91,258	91,347	91,458	91,564	91,615	91,880	91,901	92,033	91,832	91,522	91,113	90,839	90,936
GOODS-PRODUCING	25,657	25,705	25,700	25,705	25,818	25,939	25,931	25,930	25,662	25,418	25,104	24,764	24,789
MINING	1,091	1,098	950	957	1,110	1,132	1,151	1,162	1,162	1,172	1,175	1,168	1,161
CONSTRUCTION	4,389	4,416	4,418	4,334	4,284	4,272	4,275	4,272	4,259	4,229	4,193	4,068	4,146
MANUFACTURING	20,177	20,191	20,332	20,414	20,424	20,535	20,505	20,496	20,241	20,017	19,736	19,528	19,482
DURABLE GOODS	12,074	12,099	12,207	12,254	12,278	12,333	12,332	12,311	12,115	11,932	11,714	11,578	11,555
Lumber and wood products	691	692	702	710	699	702	586	677	652	634	619	612	618
Furniture and fixtures	466	467	478	484	486	488	487	485	480	470	464	457	451
Stone, clay, and glass products	654	651	656	658	658	658	560	655	644	634	622	609	607
Primary metal industries	1,140	1,141	1,145	1,142	1,144	1,140	1,148	1,139	1,114	1,090	1,058	1,039	1,030
Fabricated metal products	1,577	1,581	1,595	1,604	1,604	1,614	1,610	1,606	1,575	1,546	1,516	1,501	1,494
Machinery, except electrical	2,481	2,480	2,491	2,511	2,521	2,533	2,542	2,551	2,549	2,522	2,488	2,452	2,441
Electric and electronic equipment	2,110	2,117	2,134	2,143	2,148	2,163	2,165	2,163	2,150	2,119	2,089	2,083	2,084
Transportation equipment	1,833	1,849	1,878	1,872	1,886	1,886	1,889	1,889	1,811	1,783	1,725	1,706	1,722
Instruments and related products	711	712	714	716	717	723	727	727	723	719	717	712	709
Miscellaneous manufacturing ind.	411	409	414	414	415	426	417	419	417	415	416	407	399
NONDURABLE GOODS	8,103	8,092	8,125	8,160	8,146	8,202	8,173	8,185	8,126	8,085	8,022	7,950	7,927
Food and kindred products	1,705	1,691	1,697	1,703	1,673	1,691	1,668	1,669	1,675	1,676	1,669	1,663	1,672
Tobacco manufactures	72	72	72	71	71	71	73	71	70	70	70	71	70
Textile mill products	839	838	842	843	846	856	849	849	833	823	812	795	789
Apparel and other textile products	1,243	1,243	1,250	1,258	1,264	1,278	1,272	1,273	1,259	1,251	1,233	1,208	1,204
Paper and allied products	691	689	691	694	695	696	598	703	591	686	682	677	673
Printing and publishing	1,272	1,276	1,280	1,283	1,284	1,290	1,295	1,301	1,302	1,302	1,302	1,300	1,305
Chemicals and allied products	1,109	1,108	1,107	1,109	1,111	1,110	1,106	1,112	1,108	1,104	1,100	1,093	1,093
Petroleum and coal products	210	210	211	213	212	212	212	211	210	210	208	204	199
Rubber and misc. plastic products	731	734	744	753	757	760	764	760	744	733	722	717	704
Leather and leather products	231	231	231	233	233	238	236	236	234	230	224	222	218
SERVICE-PRODUCING	65,601	65,642	65,758	65,859	65,797	65,941	65,970	66,103	66,170	66,104	66,009	66,075	66,147
TRANSPORTATION AND PUBLIC UTILITIES	5,135	5,139	5,161	5,148	5,149	5,167	5,170	5,186	5,168	5,147	5,122	5,120	5,114
WHOLESALE AND RETAIL TRADE	20,600	20,635	20,636	20,714	20,717	20,796	20,862	20,872	20,916	20,838	20,735	20,843	20,905
WHOLESALE TRADE	5,313	5,316	5,333	5,346	5,349	5,360	5,375	5,370	5,360	5,363	5,336	5,324	5,324
RETAIL TRADE	15,287	15,319	15,303	15,368	15,368	15,436	15,487	15,502	15,556	15,475	15,399	15,519	15,581
FINANCE, INSURANCE, AND REAL ESTATE	5,283	5,293	5,316	5,326	5,331	5,344	5,354	5,366	5,360	5,355	5,366	5,361	5,362
SERVICES	18,343	18,371	18,475	18,540	18,560	18,642	18,667	18,774	18,788	18,838	18,856	18,849	18,902
GOVERNMENT	16,240	16,204	16,170	16,131	16,040	15,992	15,917	15,905	15,938	15,926	15,930	15,902	15,864
FEDERAL	2,795	2,781	2,767	2,779	2,781	2,777	2,770	2,765	2,759	2,748	2,741	2,738	2,731
STATE AND LOCAL	13,445	13,423	13,403	13,352	13,259	13,215	13,147	13,140	13,179	13,178	13,189	13,164	13,133

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1980	1981											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL	38,657	38,780	38,877	38,931	38,987	39,388	39,264	39,469	39,482	39,467	39,459	39,331	39,239
GOODS-PRODUCING	6,795	6,806	6,814	6,823	6,878	6,915	6,936	7,016	6,999	6,986	6,939	6,868	6,803
MINING	113	115	117	119	114	116	124	127	129	132	134	135	137
CONSTRUCTION	390	391	392	394	397	397	398	402	401	401	400	399	403
MANUFACTURING	6,292	6,300	6,305	6,310	6,367	6,402	6,414	6,487	6,469	6,453	6,405	6,334	6,263
DURABLE GOODS	3,000	3,008	3,013	3,020	3,054	3,073	3,087	3,116	3,118	3,104	3,073	3,023	2,980
Lumber and wood products	103	104	104	104	106	108	107	108	105	103	100	97	95
Furnitures and fixtures	139	139	141	141	145	146	148	149	148	146	146	142	140
Stone, clay, and glass products	125	126	127	126	127	128	129	131	131	130	129	126	124
Primary metal industries	124	124	124	124	127	128	127	125	128	126	122	118	115
Fabricated metal products	331	330	331	333	337	341	342	345	345	343	334	325	318
Machinery, except electrical	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Electric and electronic equipment	892	897	898	902	912	915	916	926	925	925	918	901	889
Transportation equipment	291	292	294	295	302	303	308	311	314	309	304	299	291
Instruments and related products	304	303	302	302	303	305	304	308	310	309	307	306	305
Miscellaneous manufacturing ind.	191	192	191	191	192	194	193	200	195	194	193	193	194
NONDURABLE GOODS	3,292	3,292	3,292	3,290	3,313	3,329	3,327	3,371	3,351	3,349	3,332	3,311	3,283
Food and kindred products	505	505	505	500	506	507	495	504	496	490	500	502	500
Tobacco manufactures	25	26	26	26	26	26	26	26	27	26	26	25	25
Textile mill products	398	397	396	395	398	399	400	405	402	403	396	391	385
Apparel and other textile products	1,006	1,004	1,001	1,001	1,006	1,012	1,019	1,033	1,025	1,028	1,016	1,010	996
Paper and allied products	159	159	160	160	161	162	160	163	164	165	161	159	159
Printing and publishing	504	504	505	507	510	511	512	515	517	519	522	521	523
Chemicals and allied products	280	281	282	283	282	282	283	283	282	283	283	283	283
Petroleum and coal products	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Rubber and misc. plastics products	249	250	250	252	257	261	263	268	267	264	257	251	247
Leather and leather products	137	137	138	137	137	139	139	144	141	141	140	138	134
SERVICE-PRODUCING	31,862	31,974	32,063	32,108	32,109	32,173	32,328	32,453	32,483	32,481	32,520	32,463	32,439
TRANSPORTATION AND PUBLIC UTILITIES	1,311	1,310	1,314	1,318	1,327	1,329	1,335	1,340	1,345	1,356	1,355	1,350	1,357
WHOLESALE AND RETAIL TRADE	8,946	8,998	9,031	9,051	8,990	9,024	9,166	9,207	9,237	9,251	9,261	9,192	9,127
WHOLESALE TRADE	1,378	1,375	1,378	1,377	1,388	1,389	1,388	1,393	1,403	1,405	1,403	1,409	1,400
RETAIL TRADE	7,568	7,623	7,653	7,674	7,502	7,635	7,778	7,814	7,834	7,846	7,858	7,783	7,727
FINANCE, INSURANCE, AND REAL ESTATE	3,103	3,120	3,130	3,138	3,153	3,169	3,172	3,184	3,185	3,198	3,199	3,200	3,204
SERVICES	10,720	10,765	10,803	10,830	10,882	10,906	10,924	10,979	10,994	11,057	11,101	11,125	11,138
GOVERNMENT	7,782	7,781	7,785	7,771	7,757	7,745	7,731	7,743	7,722	7,619	7,604	7,596	7,613
FEDERAL	887	887	885	878	877	877	876	878	877	877	873	872	879
STATE AND LOCAL	6,895	6,894	6,900	6,893	6,880	6,868	6,955	6,865	6,845	6,742	6,731	6,724	6,734

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

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

[In thousands]

Industry division and group	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
TOTAL PRIVATE	60,870	60,961	61,114	61,179	61,292	61,585	61,622	61,770	61,527	61,210	60,759	60,509	60,636	
GOODS-PRODUCING	18,298	18,346	18,338	18,317	18,387	18,476	18,459	18,454	18,185	17,934	17,611	17,304	17,357	
MINING	806	813	689	694	819	834	950	857	854	862	964	953	844	
CONSTRUCTION	3,439	3,459	3,462	3,376	3,323	3,315	3,315	3,316	3,301	3,275	3,233	3,117	3,181	
MANUFACTURING	14,053	14,074	14,187	14,247	14,245	14,327	14,294	14,281	14,030	13,797	13,514	13,334	13,332	
DURABLE GOODS	8,297	8,325	8,412	8,442	8,455	8,491	8,485	8,465	8,267	8,083	7,868	7,749	7,749	
Lumber and wood products	576	577	586	593	585	585	571	563	540	521	506	498	507	
Furniture and fixtures	376	376	386	392	393	396	395	391	385	376	370	363	359	
Stone, clay, and glass products	503	501	506	507	506	538	510	505	495	485	473	460	460	
Primary metal industries	879	879	894	880	882	879	883	877	851	828	799	782	777	
Fabricated metal products	1,164	1,169	1,178	1,184	1,187	1,197	1,193	1,187	1,157	1,132	1,102	1,085	1,081	
Machinery, except electrical	1,573	1,575	1,580	1,594	1,602	1,605	1,618	1,624	1,615	1,587	1,554	1,524	1,515	
Electric and electronic equipment	1,326	1,334	1,345	1,353	1,354	1,365	1,364	1,362	1,347	1,308	1,278	1,276	1,279	
Transportation equipment	1,176	1,190	1,218	1,210	1,218	1,213	1,217	1,221	1,147	1,121	1,064	1,049	1,066	
Instruments and related products	419	420	422	423	422	427	426	426	423	418	417	414	412	
Miscellaneous manufacturing ind.	305	304	307	306	306	316	308	309	307	307	305	298	293	
NONDURABLE GOODS	5,756	5,749	5,775	5,805	5,790	5,836	5,809	5,816	5,763	5,714	5,646	5,585	5,593	
Food and kindred products	1,168	1,158	1,164	1,170	1,144	1,160	1,140	1,140	1,149	1,149	1,141	1,134	1,146	
Tobacco manufactures	55	56	56	55	56	55	57	56	55	55	54	56	55	
Textile mill products	727	727	729	731	733	742	736	737	722	710	699	683	680	
Apparel and other textile products	1,061	1,061	1,065	1,071	1,077	1,092	1,084	1,071	1,062	1,046	1,026	1,026	1,020	
Paper and allied products	520	519	521	523	524	525	526	531	520	516	509	506	503	
Printing and publishing	707	708	709	710	709	711	714	718	718	716	715	716	723	
Chemicals and allied products	625	626	627	629	632	630	633	631	626	620	615	609	614	
Petroleum and coal products	134	134	134	135	133	133	132	131	130	129	127	122	123	
Rubber and misc. plastics products	564	566	575	584	585	586	592	588	573	561	551	547	537	
Leather and leather products	195	194	195	197	197	202	200	200	199	196	189	186	182	
SERVICE-PRODUCING	42,572	42,615	42,776	42,862	42,905	43,109	43,163	43,316	43,342	43,276	43,148	43,205	43,279	
TRANSPORTATION AND PUBLIC UTILITIES	4,270	4,268	4,291	4,272	4,269	4,284	4,284	4,305	4,277	4,263	4,235	4,225	4,225	
WHOLESALE AND RETAIL TRADE	18,013	18,031	18,027	18,084	18,093	18,200	18,230	18,271	18,311	18,218	18,120	18,201	18,273	
WHOLESALE TRADE	4,329	4,330	4,342	4,352	4,350	4,367	4,370	4,367	4,359	4,359	4,339	4,317	4,319	
RETAIL TRADE	13,684	13,701	13,685	13,732	13,743	13,833	13,860	13,904	13,952	13,859	13,781	13,884	13,954	
FINANCE, INSURANCE, AND REAL ESTATE	3,992	3,996	4,017	4,024	4,030	4,037	4,047	4,055	4,049	4,039	4,041	4,033	4,026	
SERVICES	16,297	16,320	16,441	16,482	16,513	16,588	16,602	16,685	16,705	16,756	16,752	16,746	16,755	

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
1979				
January.....	65.1	72.1	72.1	74.7
February.....	66.0	68.6	71.8	70.6
March.....	64.2	65.7	70.1	69.5
April.....	54.1	65.7	64.8	67.2
May.....	60.5	62.8	59.6	59.6
June.....	62.5	63.7	54.4	58.1
July.....	57.0	55.5	56.7	55.8
August.....	53.2	50.0	51.5	55.2
September.....	49.1	53.5	52.0	50.0
October.....	61.6	52.0	50.6	46.2
November.....	49.4	53.5	51.2	38.1
December.....	49.7	49.4	47.7	35.8
1980				
January.....	52.6	50.6	40.4	32.0
February.....	53.2	46.8	33.4	32.6
March.....	49.4	38.7	30.8	31.7
April.....	34.6	30.8	24.7	32.3
May.....	32.8	27.0	26.2	31.4
June.....	31.4	25.9	28.2	31.4
July.....	36.9	35.5	35.2	31.4
August.....	64.8	54.9	45.1	32.6
September.....	64.0	71.2	61.0	34.9
October.....	61.3	69.8	73.5	43.6
November.....	63.4	64.8	72.7	55.8
December.....	56.7	64.0	65.4	70.3
1981				
January.....	59.6	61.0	68.6	78.8
February.....	55.8	61.3	68.6	75.6
March.....	52.3	64.2	67.2	73.3
April.....	69.8	68.9	70.3	64.2
May.....	62.5	66.9	67.7	54.1
June.....	51.5	68.6	71.8	45.1
July.....	67.2	60.2	52.9	37.5p
August.....	49.7	66.6	38.7	34.6p
September.....	59.3	39.2	35.8	
October.....	30.2	33.1	26.2p	
November.....	27.9	23.8	28.2p	
December.....	29.9	21.8p		
1982				
January.....	29.4p	28.8p		
February.....	46.2p			
March.....				
April.....				
May.....				
June.....				
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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

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

**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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
1 ALABAMA ¹	1,343.0	1,352.8	1,356.1	17.1	16.9	16.7	64.4	66.4	62.3	359.2	355.9	349.6
2 Birmingham ¹	(*)	351.2	(*)	(*)	9.6	(*)	(*)	18.4	(*)	(*)	58.9	(*)
3 Huntsville ¹	(*)	124.5	123.5	(2)	(2)	(2)	(*)	3.7	3.4	(*)	37.6	37.3
4 Mobile ¹	151.2	151.5	149.4	(2)	(2)	(2)	11.5	9.3	9.0	29.4	31.0	30.4
5 Montgomery ¹	105.7	106.7	105.5	(2)	(2)	(2)	5.7	5.8	5.7	16.1	15.9	15.9
6 Tuscaloosa ¹	51.5	51.5	50.0	2.5	2.7	2.7	2.3	2.2	1.9	8.2	7.9	7.7
7 ALASKA	161.1	176.0	171.2	7.1	7.6	7.9	8.1	11.8	10.0	8.4	7.9	7.7
8 ARIZONA ¹	(*)	1,360.4	1,040.1	(*)	24.8	22.3	(*)	65.2	63.8	(*)	159.4	157.3
9 Phoenix ¹	(*)	570.8	660.5	(*)	.4	.4	(*)	45.1	44.2	(*)	115.6	114.2
10 Tucson ¹	(*)	193.6	187.5	(*)	7.5	5.6	(*)	11.2	10.9	(*)	75.0	24.6
11 ARKANSAS ¹	739.8	735.0	713.6	5.2	6.0	5.9	33.4	31.3	25.3	209.1	204.5	193.4
12 Fayetteville—Springdale ¹	64.3	66.0	64.2	(2)	(2)	(2)	2.6	2.6	2.4	19.3	19.6	18.9
13 Fort Smith ¹	66.3	66.2	65.4	1.0	1.1	1.1	2.6	2.4	2.2	21.0	20.5	20.3
14 Little Rock—North Little Rock ¹	177.7	179.5	175.8	(2)	(2)	(2)	7.9	8.6	7.5	29.7	28.8	28.5
15 Pine Bluff ¹	32.4	31.5	30.9	(2)	(2)	(2)	2.5	1.9	1.6	6.2	6.2	6.1
16 CALIFORNIA ¹	9,884.6	10,167.6	10,005.1	45.4	49.2	49.1	430.0	422.4	402.7	1,982.2	1,986.2	1,951.4
17 Anaheim—Santa Ana—Garden Grove ¹	853.9	879.0	865.6	2.6	2.8	2.8	49.2	48.0	45.2	222.3	223.6	222.9
18 Bakersfield ¹	131.6	138.3	135.7	12.7	14.5	14.5	6.8	6.9	6.6	9.5	13.0	13.0
19 Fresno ¹	178.9	183.1	179.6	.9	1.0	1.0	9.7	9.6	9.6	21.9	22.1	21.6
20 Los Angeles—Long Beach ¹	3,632.5	3,680.0	3,617.0	13.4	14.8	14.9	125.2	115.9	109.6	907.3	906.2	994.9
21 Modesto ¹	85.5	89.2	87.6	.1	.1	.1	5.4	5.2	4.9	16.9	18.4	19.3
22 Oxnard—Simi Valley—Ventura ¹	155.0	163.3	161.9	2.6	3.0	3.0	7.5	7.2	6.9	24.2	25.9	25.7
23 Riverside—San Bernardino—Ontario ¹	428.4	450.7	443.3	2.1	2.1	2.0	23.9	23.5	21.9	62.8	65.1	63.5
24 Sacramento ¹	298.9	411.3	405.5	.6	.7	.7	17.3	17.3	15.9	26.2	26.4	26.1
25 Salinas—Seaside—Monterey ¹	87.2	90.2	88.9	.4	.4	.4	3.3	3.2	3.2	7.0	8.0	7.8
26 San Diego ¹	657.2	670.5	661.8	.6	.6	.6	35.9	33.7	32.6	108.6	108.7	118.1
27 San Francisco—Oakland ¹	1,563.8	1,611.3	1,579.2	3.8	4.3	4.3	72.7	75.1	72.2	199.5	201.2	193.0
28 San Jose ¹	680.9	700.1	692.6	.1	.1	.1	25.0	22.9	21.9	241.3	246.9	245.8
29 Santa Barbara—Santa Maria—Lompoc ¹	120.7	125.4	123.9	1.6	1.6	1.6	4.8	4.9	4.7	17.0	17.5	17.3
30 Santa Rosa ¹	93.2	97.9	95.2	.4	.5	.4	5.0	5.5	5.1	14.6	16.2	15.3
31 Stockton ¹	117.3	121.8	118.9	.1	.1	.1	5.7	5.6	5.3	19.7	20.4	19.8
32 Vallejo—Fairfield—Napa ¹	99.3	102.6	101.0	.5	.5	.5	4.9	5.0	4.6	10.4	10.4	10.4
33 COLORADO ¹	1,258.5	1,298.3	1,278.2	39.8	43.9	42.9	72.1	73.2	69.9	180.9	185.1	183.2
34 Denver—Boulder ¹	803.5	835.2	820.7	23.2	27.3	27.0	42.8	43.2	41.8	125.3	129.6	123.0
35 CONNECTICUT ¹	1,418.4	1,447.1	(*)	(3)	(3)	(*)	42.9	52.3	(*)	442.0	430.9	(*)
36 Bridgeport ¹	166.4	173.1	(*)	(3)	(3)	(*)	3.7	4.4	(*)	64.1	65.0	(*)
37 Hartford ¹	393.9	403.4	(*)	(3)	(3)	(*)	10.2	12.0	(*)	99.8	93.7	(*)
38 New Britain ¹	62.9	63.5	(*)	(3)	(3)	(*)	1.6	2.3	(*)	29.8	28.4	(*)
39 New Haven—West Haven ¹	187.1	192.2	(*)	(3)	(3)	(*)	5.6	6.3	(*)	43.3	41.2	(*)
40 Stamford ¹	110.3	114.3	(*)	(3)	(3)	(*)	5.3	5.9	(*)	32.4	32.2	(*)
41 Waterbury ¹	86.1	88.6	(*)	(3)	(3)	(*)	2.2	2.7	(*)	31.8	32.0	(*)
42 DELAWARE ¹	251.8	260.1	244.3	(2)	(2)	(2)	11.6	13.8	12.0	71.7	70.9	53.1
43 Wilmington ¹	223.8	229.7	215.0	(2)	(2)	(2)	12.0	14.0	12.2	65.6	64.4	55.0
44 DISTRICT OF COLUMBIA ¹	608.8	606.6	600.1	(2)	(2)	(2)	13.0	11.5	11.2	15.2	14.2	14.2
45 Washington SMSA	1,563.5	1,602.0	1,567.4	(2)	(2)	(2)	68.5	71.6	63.2	55.7	58.4	58.5
46 FLORIDA ¹	(*)	3,823.9	3,804.0	10.5	11.0	10.7	(*)	282.8	273.2	(*)	471.1	468.3
47 Bradenton ¹	(*)	49.0	48.3	-	-	-	(*)	4.9	4.8	(*)	7.0	6.9
48 Daytona Beach ¹	(*)	79.5	79.3	(*)	(2)	(2)	(*)	5.3	5.0	(*)	8.5	8.7
49 Fort Lauderdale—Hollywood ¹	(*)	359.9	359.7	(*)	(2)	(2)	(*)	27.5	26.8	(*)	41.6	41.4
50 Fort Myers—Cape Coral ¹	(*)	71.6	71.9	(*)	(2)	(2)	(*)	8.2	8.3	(*)	3.8	3.8
51 Gainesville ¹	(*)	70.2	69.5	(*)	(2)	(2)	(*)	3.1	2.9	(*)	4.6	4.5
52 Jacksonville ¹	(*)	304.1	301.5	(*)	(2)	(2)	(*)	18.3	18.1	(*)	34.3	33.6
53 Lakeland—Winter Haven ¹	(*)	123.9	124.1	(*)	5.3	5.8	(*)	9.8	9.8	(*)	24.4	24.4
54 Melbourne—Titusville—Cocoa ¹	(*)	107.7	105.8	(*)	(2)	(2)	(*)	6.3	5.6	(*)	24.5	24.3
55 Miami ¹	(*)	741.4	741.0	(*)	(2)	(2)	(*)	38.2	37.8	(*)	97.9	97.6
56 Orlando ¹	(*)	301.9	299.2	(*)	(2)	(2)	(*)	19.4	18.4	(*)	39.2	39.2
57 Panama City ¹	(*)	34.4	33.9	(*)	(2)	(2)	(*)	2.3	2.3	(*)	3.4	3.4
58 Pensacola ¹	(*)	99.5	98.1	(*)	(2)	(2)	(*)	7.1	6.7	(*)	12.2	12.1
59 Sarasota ¹	(*)	72.7	72.4	(*)	(2)	(2)	(*)	6.6	6.4	(*)	6.3	6.3
60 Tallahassee ¹	(*)	77.4	73.8	(*)	(2)	(2)	(*)	3.1	3.2	(*)	3.0	2.9
61 Tampa—St. Petersburg ¹	(*)	576.3	576.4	(*)	(2)	(2)	(*)	41.1	43.8	(*)	78.9	78.5
62 West Palm Beach—Boca Raton ¹	(*)	228.5	228.4	(*)	(2)	(2)	(*)	20.2	19.8	(*)	29.1	29.2

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			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
70.6	71.5	70.3	268.3	277.7	274.1	58.9	59.3	59.2	206.7	212.4	211.7	297.8	292.7	292.2	1
(*)	29.1	(*)	(*)	86.6	(*)	(*)	22.8	(*)	(*)	69.3	(*)	(*)	56.5	(*)	2
(*)	2.7	2.7	(*)	22.8	22.1	(*)	3.5	3.5	(*)	18.6	19.1	(*)	35.6	35.7	3
10.2	10.3	10.3	36.6	36.9	36.1	7.2	7.2	7.3	28.7	29.9	29.6	27.6	26.9	26.7	4
4.4	4.5	4.4	23.5	24.0	23.3	6.2	6.3	6.2	20.5	20.9	20.8	29.3	29.3	29.2	5
1.8	1.7	1.7	10.0	10.4	9.9	1.7	1.7	1.7	6.7	6.5	6.5	18.3	18.4	17.9	6
16.4	17.4	17.4	28.6	32.0	30.6	8.0	8.7	8.6	28.7	31.4	30.8	55.8	59.2	58.2	7
(*)	55.3	55.0	(*)	267.7	264.2	(*)	62.4	62.4	(*)	220.0	220.1	(*)	205.6	195.3	8
(*)	34.1	33.8	(*)	179.0	177.1	(*)	48.3	48.3	(*)	145.0	145.5	(*)	103.3	97.0	9
(*)	9.0	8.9	(*)	44.7	43.5	(*)	8.9	8.9	(*)	42.4	42.4	(*)	44.9	42.7	10
42.5	43.6	43.1	158.5	163.1	157.1	30.9	31.9	31.7	115.3	115.0	113.4	144.9	139.6	137.7	11
3.8	3.9	3.8	15.5	16.5	16.1	2.3	2.3	2.2	9.4	9.7	9.5	11.4	11.4	11.3	12
3.6	3.5	3.5	13.9	14.6	14.4	2.5	2.6	2.6	12.4	11.9	11.9	9.3	9.6	9.4	13
13.7	13.4	13.2	42.0	43.2	41.2	12.4	12.7	12.7	33.8	35.7	35.6	38.2	37.1	37.1	14
4.1	3.9	3.8	6.5	6.4	6.2	1.3	1.3	1.3	4.9	5.3	5.2	6.9	6.6	6.7	15
541.5	554.1	549.5	2,274.0	2,416.5	2,332.6	637.5	656.2	653.2	2,192.4	2,314.5	2,293.5	1,781.6	1,768.5	1,763.1	16
28.3	30.1	29.6	207.3	219.8	214.2	60.2	63.0	62.9	175.0	185.6	183.1	109.0	106.1	104.9	17
8.0	8.2	8.0	33.7	35.5	34.1	5.0	5.3	5.3	23.9	25.2	24.9	32.0	32.7	32.3	18
10.9	11.1	10.8	47.0	49.7	48.1	11.3	11.7	11.6	36.2	37.9	37.6	41.0	40.0	39.3	19
197.8	199.3	197.1	813.6	856.5	822.7	238.4	242.4	241.1	852.0	875.3	870.4	484.8	469.6	466.3	20
3.8	3.9	3.8	21.4	22.8	22.0	3.4	3.6	3.6	17.2	17.9	18.0	17.3	17.4	17.2	21
6.5	7.1	7.2	36.9	40.3	39.9	8.0	8.5	8.5	31.1	33.0	32.7	38.2	38.3	38.0	22
25.7	26.8	26.4	107.4	113.8	110.4	19.6	20.2	20.1	93.0	96.4	96.3	103.9	102.8	102.7	23
21.6	22.7	22.4	92.9	98.7	95.5	22.3	22.8	22.7	75.2	79.3	78.9	142.8	143.7	143.3	24
5.1	5.0	4.9	22.4	24.3	23.3	4.3	4.4	4.3	19.3	20.2	19.9	24.5	24.7	25.1	25
28.8	29.8	29.7	149.9	156.3	151.9	39.8	41.3	41.3	150.3	157.3	156.4	143.3	142.8	141.2	26
128.3	131.3	129.7	359.7	381.0	367.0	148.2	153.7	152.4	360.5	378.3	373.5	291.1	286.4	285.1	27
21.7	22.8	22.4	128.4	136.4	132.2	28.2	28.9	28.7	153.5	159.9	159.5	82.7	82.2	82.0	28
5.0	5.4	5.3	29.7	30.4	29.5	5.8	6.0	6.0	32.8	34.6	34.5	25.0	25.0	25.0	29
4.7	5.0	4.8	22.7	24.1	23.5	6.0	6.0	6.0	19.6	20.3	20.1	20.2	20.3	20.0	30
8.0	8.1	7.7	26.8	28.2	27.9	5.3	5.4	5.4	24.2	25.4	25.3	27.5	27.6	27.4	31
4.6	4.5	4.4	21.0	23.2	22.4	3.3	3.5	3.4	19.7	20.0	20.0	34.9	35.5	35.3	32
79.5	82.5	81.9	306.3	318.6	310.0	78.7	80.4	80.7	260.9	270.3	269.4	240.4	244.4	239.3	33
55.6	57.7	57.3	192.3	199.4	194.3	55.5	57.3	57.4	173.4	191.1	180.0	135.2	139.5	135.0	34
60.7	61.8	(*)	297.3	312.8	(*)	107.9	113.3	(*)	281.6	292.2	(*)	186.0	183.8	(*)	35
6.0	6.1	(*)	34.6	36.3	(*)	7.7	7.8	(*)	33.5	36.6	(*)	16.8	16.9	(*)	36
14.2	14.8	(*)	82.9	88.6	(*)	61.6	62.6	(*)	72.4	76.2	(*)	52.8	55.5	(*)	37
3.1	3.3	(*)	10.1	10.7	(*)	1.8	1.9	(*)	10.3	10.2	(*)	6.2	6.7	(*)	38
15.5	16.2	(*)	39.6	42.4	(*)	10.9	11.2	(*)	47.3	50.3	(*)	24.9	25.0	(*)	39
4.5	4.6	(*)	25.1	26.8	(*)	8.1	8.5	(*)	24.7	26.0	(*)	10.2	10.3	(*)	40
3.1	3.2	(*)	15.5	16.5	(*)	3.7	3.8	(*)	18.3	18.9	(*)	11.1	11.5	(*)	41
12.0	12.1	11.7	53.7	57.8	54.5	12.4	12.9	12.8	46.8	48.6	47.6	44.2	44.0	42.7	42
11.6	11.9	11.4	46.2	48.8	46.7	11.5	12.0	12.0	41.9	43.6	42.8	35.0	35.1	34.1	43
25.5	26.5	26.1	64.2	64.9	63.6	35.1	34.2	33.3	182.1	189.0	186.2	273.7	266.3	265.5	44
67.4	72.5	71.2	301.8	323.6	315.6	91.0	91.5	90.4	429.1	449.8	444.3	550.0	534.6	524.2	45
(*)	234.5	233.8	(*)	1,030.1	1,024.1	(*)	277.3	276.6	(*)	899.8	905.7	(*)	617.3	611.6	46
(*)	1.5	1.5	(*)	12.3	12.4	(*)	3.7	3.7	(*)	9.5	9.3	(*)	10.1	9.7	47
(*)	3.3	3.2	(*)	22.4	22.4	(*)	4.7	4.7	(*)	20.3	20.7	(*)	15.0	15.0	48
(*)	17.8	17.9	(*)	105.2	105.1	(*)	31.9	32.4	(*)	87.3	87.6	(*)	48.6	48.5	49
(*)	4.4	4.4	(*)	20.4	20.4	(*)	6.5	6.6	(*)	16.6	16.8	(*)	11.6	11.6	50
(*)	1.7	1.7	(*)	14.9	14.6	(*)	3.2	3.1	(*)	14.5	14.5	(*)	28.2	28.2	51
(*)	25.0	25.0	(*)	79.9	78.4	(*)	28.1	27.8	(*)	64.5	64.8	(*)	54.0	53.8	52
(*)	5.4	5.4	(*)	31.2	30.0	(*)	6.7	6.9	(*)	24.2	24.2	(*)	16.9	17.6	53
(*)	4.6	4.6	(*)	23.3	22.5	(*)	4.3	4.3	(*)	26.5	26.4	(*)	18.2	18.1	54
(*)	72.5	72.7	(*)	197.7	196.8	(*)	57.6	57.6	(*)	182.0	182.5	(*)	95.5	96.0	55
(*)	15.5	15.5	(*)	82.9	82.0	(*)	20.4	20.5	(*)	80.8	79.8	(*)	43.7	43.8	56
(*)	2.2	2.2	(*)	9.4	9.0	(*)	1.6	1.6	(*)	6.8	6.7	(*)	8.7	8.7	57
(*)	4.9	4.8	(*)	24.8	24.2	(*)	4.3	4.3	(*)	20.6	20.9	(*)	25.6	25.1	58
(*)	3.3	3.3	(*)	22.4	22.0	(*)	6.0	6.1	(*)	18.1	18.2	(*)	10.0	10.1	59
(*)	3.1	3.1	(*)	16.2	15.8	(*)	3.5	3.5	(*)	13.7	13.6	(*)	34.8	31.7	60
(*)	32.8	32.4	(*)	161.2	161.4	(*)	41.4	42.1	(*)	136.9	137.8	(*)	84.0	83.4	61
(*)	9.6	9.6	(*)	61.9	61.9	(*)	19.0	18.9	(*)	57.0	57.5	(*)	31.7	31.5	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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
1 GEORGIA ¹	2,150.2	2,165.4	(*)	7.6	7.8	(*)	100.2	97.1	(*)	514.2	509.7	(*)
2 Albany ¹	44.4	45.4	(*)	(2)	(2)	(*)	3.1	3.2	(*)	10.5	10.8	(*)
3 Atlanta ¹	962.0	982.7	(*)	(2)	(2)	(*)	41.0	40.9	(*)	143.6	144.9	(*)
4 Augusta ¹	123.2	125.5	(*)	(2)	(2)	(*)	5.1	4.4	(*)	35.6	36.1	(*)
5 Columbus ¹	79.3	78.5	(*)	(2)	(2)	(*)	3.7	4.3	(*)	21.2	19.6	(*)
6 Macon ¹	97.2	97.2	(*)	(2)	(2)	(*)	5.0	4.9	(*)	15.2	15.5	(*)
7 Savannah ¹	86.1	88.8	(*)	(2)	(2)	(*)	6.2	6.2	(*)	16.6	16.3	(*)
8 HAWAII ¹	(*)	406.6	397.3	(*)	(2)	(2)	(*)	21.1	20.6	(*)	22.2	21.6
9 Honolulu ¹	(*)	334.4	325.6	(*)	(2)	(2)	(*)	17.3	16.9	(*)	16.2	15.4
10 IDAHO ¹	322.9	323.7	313.7	4.9	4.3	4.0	15.0	15.7	14.1	52.0	49.5	47.8
11 Boise City ¹	77.4	75.3	73.4	(2)	(2)	(2)	5.5	5.0	4.7	8.2	8.4	9.2
12 ILLINOIS.....	4,753.7	4,827.7	4,718.0	31.5	32.1	31.3	157.2	181.9	155.3	1,179.2	1,143.5	1,122.4
13 Bloomington—Normal.....	50.2	51.8	50.4	(3)	(3)	(2)	1.5	1.5	1.3	6.7	7.2	7.0
14 Champaign—Urbana—Rantoul.....	72.7	76.6	72.0	(3)	(3)	(3)	1.3	1.4	1.3	7.6	7.7	7.6
15 Chicago—Gary.....	3,445.0	3,441.6	(*)	4.9	5.1	(*)	116.8	118.4	(*)	900.2	869.1	(*)
16 Chicago SMSA ¹	3,197.3	3,199.3	3,159.1	4.8	5.0	5.0	102.7	104.5	90.5	807.4	784.5	770.6
17 Davenport—Rock Island—Moline.....	161.9	160.1	149.1	(3)	(3)	(3)	6.6	7.3	6.4	49.3	45.3	36.5
18 Decatur.....	54.6	55.5	54.5	(3)	(3)	(3)	1.8	2.1	1.8	19.1	19.1	19.0
19 Kankakee.....	33.4	32.9	32.0	(3)	(3)	(3)	1.4	1.7	1.4	9.3	8.1	8.0
20 Peoria.....	146.3	148.1	145.5	(3)	(3)	(3)	6.1	6.5	5.8	47.6	47.4	47.2
21 Rockford.....	114.9	116.1	113.9	(3)	(3)	(3)	3.3	3.6	3.3	48.6	48.3	47.5
22 Springfield.....	85.3	87.4	85.9	(3)	(3)	(3)	3.4	3.8	3.4	5.9	6.4	6.4
23 INDIANA.....	2,098.1	2,081.5	2,033.1	9.2	9.0	8.4	77.4	82.1	71.2	657.6	624.5	617.2
24 Anderson.....	46.3	44.4	42.1	(2)	(2)	(2)	1.0	1.1	1.1	20.1	18.5	16.8
25 Elkhart.....	66.2	66.0	64.1	-	-	-	2.0	2.0	1.8	33.4	32.8	32.0
26 Evansville.....	125.7	125.5	123.6	2.9	2.6	2.6	6.1	7.1	6.2	36.3	34.4	34.2
27 Fort Wayne.....	170.5	168.2	164.8	(2)	(2)	(2)	7.1	7.3	6.5	53.7	50.5	50.3
28 Gary—Hammond—East Chicago ¹	247.7	242.2	239.4	(2)	(2)	(2)	14.1	13.8	13.2	92.8	84.6	85.0
29 Indianapolis.....	528.5	530.5	519.4	(2)	(2)	(2)	20.4	21.9	19.2	122.9	119.7	117.7
30 Lafayette—West Lafayette.....	57.6	58.3	57.2	(2)	(2)	(2)	2.0	2.7	2.2	11.2	11.2	11.0
31 Muncie.....	49.5	47.9	47.1	(2)	(2)	(2)	1.2	1.2	1.0	13.2	11.2	11.3
32 South Bend.....	106.9	106.2	103.8	(2)	(2)	(2)	4.6	4.0	3.6	39.1	30.0	29.5
33 Terre Haute.....	62.7	60.0	(*)	1.3	1.4	(*)	3.2	3.0	(*)	15.4	14.2	(*)
34 IOWA.....	1,077.4	1,085.1	1,048.1	1.6	1.8	1.2	39.5	40.6	34.4	237.3	229.3	220.3
35 Cedar Rapids ¹	82.1	80.3	79.1	(2)	(2)	(2)	2.8	3.1	2.6	76.9	75.1	75.2
36 Des Moines ¹	175.8	174.6	172.5	(2)	(2)	(2)	6.3	5.5	5.1	24.0	22.4	21.8
37 Dubuque ¹	41.7	41.5	36.7	(2)	(2)	(2)	1.1	1.1	.9	14.3	14.0	9.9
38 Sioux City ¹	48.3	49.7	48.7	(2)	(2)	(2)	1.8	1.8	1.5	8.9	9.2	9.7
39 Waterloo—Cedar Falls ¹	64.5	64.6	63.0	(2)	(2)	(2)	2.0	2.2	2.0	23.3	22.0	21.6
40 KANSAS.....	938.8	953.8	936.8	17.6	19.6	23.0	40.8	40.8	34.6	188.8	184.3	185.0
41 Lawrence ¹	27.8	28.8	27.9	(3)	(3)	(3)	.8	.9	.7	4.7	4.5	4.5
42 Topeka ¹	85.0	85.5	83.9	.2	.1	.1	3.2	3.1	2.5	10.1	9.8	9.9
43 Wichita ¹	205.3	207.9	203.3	3.0	3.7	3.8	9.1	9.9	8.7	65.1	62.5	62.4
44 KENTUCKY.....	(*)	1,193.5	1,174.6	(*)	54.1	53.1	(*)	48.7	42.0	(*)	255.6	261.9
45 Lexington—Fayette ¹	140.4	144.8	(*)	(2)	(2)	(*)	3.7	4.2	(*)	29.6	29.7	(*)
46 Louisville ¹	(*)	370.1	(*)	(*)	(2)	(*)	(*)	16.2	(*)	(*)	80.5	(*)
47 Owensboro ¹	30.7	30.3	28.3	1.0	.9	.8	1.7	1.3	1.2	6.7	6.4	6.2
48 LOUISIANA.....	1,603.0	1,651.4	1,619.7	91.3	100.0	100.0	145.6	140.0	131.6	214.4	217.6	209.4
49 Alexandria ¹	52.1	54.4	53.3	(2)	(2)	(2)	3.9	3.8	3.6	5.5	5.7	5.3
50 Baton Rouge ¹	208.4	209.6	203.5	1.5	1.3	1.3	24.5	23.5	21.1	26.2	26.5	26.1
51 Lafayette ¹	82.7	94.2	93.1	16.9	19.2	19.7	5.4	5.6	5.5	4.3	5.0	5.7
52 Lake Charles ¹	65.8	71.1	69.0	2.3	2.5	2.6	8.3	9.8	8.7	13.6	12.7	12.5
53 Monroe ¹	51.1	50.6	48.7	.5	.7	.7	3.1	3.4	2.4	7.8	7.6	7.4
54 New Orleans ¹	503.4	522.0	516.2	18.1	23.9	20.8	30.8	30.1	29.8	53.9	51.8	50.3
55 Shreveport ¹	149.0	153.3	151.2	5.6	8.3	8.3	10.5	7.7	7.4	27.3	28.7	28.3
56 MAINE.....	406.7	412.3	400.5	(2)	(2)	(2)	15.1	16.3	14.1	112.8	110.1	108.7
57 Lewiston—Auburn ¹	34.1	34.5	33.3	(2)	(2)	(2)	1.1	1.2	1.0	11.8	11.4	11.1
58 Portland ¹	90.2	94.9	92.2	(2)	(2)	(2)	3.2	3.5	3.3	18.5	17.5	17.6
59 MARYLAND.....	1,688.6	1,706.6	1,647.1	(2)	(2)	(2)	91.4	88.8	75.6	230.9	223.4	217.7
60 Baltimore ¹	949.8	955.6	928.3	(2)	(2)	(2)	44.3	41.0	35.0	155.6	150.3	146.0

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
139.2	140.4	(*)	488.7	499.0	(*)	113.0	114.1	(*)	348.5	358.1	(*)	438.7	439.2	(*)	1
2.2	2.1	(*)	9.8	13.5	(*)	1.9	2.0	(*)	6.4	6.6	(*)	10.4	10.4	(*)	2
85.9	87.6	(*)	260.7	271.8	(*)	69.1	69.2	(*)	199.2	206.7	(*)	162.5	161.6	(*)	3
4.4	4.4	(*)	23.1	24.3	(*)	4.5	4.4	(*)	18.4	18.8	(*)	32.1	32.0	(*)	4
3.4	3.2	(*)	15.6	16.1	(*)	5.5	5.7	(*)	10.9	11.1	(*)	19.0	18.4	(*)	5
4.5	4.5	(*)	19.6	19.8	(*)	5.8	6.2	(*)	16.8	16.6	(*)	30.3	29.8	(*)	6
8.8	8.3	(*)	19.5	20.5	(*)	4.1	4.2	(*)	15.1	15.9	(*)	15.7	17.2	(*)	7
(*)	31.0	30.5	(*)	107.2	104.2	(*)	32.2	32.4	(*)	102.1	100.5	(*)	90.8	87.5	8
(*)	25.9	25.5	(*)	88.9	86.3	(*)	27.7	27.9	(*)	81.1	79.4	(*)	77.3	74.3	9
19.8	19.3	18.9	79.1	82.2	79.0	23.0	23.3	23.2	59.5	59.0	58.4	69.6	70.4	68.3	10
5.1	4.7	4.7	19.9	19.7	19.4	6.0	8.1	8.0	14.3	14.0	13.6	16.3	15.4	14.8	11
282.7	279.9	275.5	1,117.8	1,151.8	1,118.1	309.1	310.3	307.6	934.9	962.4	952.9	741.3	765.9	754.9	12
3.1	3.2	3.0	12.2	12.4	11.9	7.6	7.8	7.8	8.3	8.2	8.2	10.8	11.5	11.2	13
2.6	2.6	2.6	19.0	19.2	18.4	2.6	2.4	2.4	11.2	11.5	11.4	28.4	31.8	28.3	14
207.3	208.1	(*)	796.2	811.2	(*)	228.7	228.5	(*)	682.1	690.4	(*)	508.8	510.8	(*)	15
195.9	193.7	192.2	745.4	760.1	749.1	219.5	219.4	219.0	645.0	652.7	657.4	476.6	479.4	475.3	16
6.9	6.9	6.8	40.4	41.1	40.2	7.3	7.2	7.2	24.4	24.9	24.7	27.0	27.4	27.3	17
5.3	5.3	5.2	11.9	12.2	11.8	2.7	2.7	2.6	8.6	8.7	8.7	5.1	5.3	5.3	18
1.4	1.4	1.4	6.7	7.1	6.8	1.1	1.1	1.1	6.3	6.5	6.4	7.2	7.0	6.9	19
7.9	7.9	7.9	34.8	35.2	34.4	7.2	7.1	7.1	25.4	26.5	25.9	17.3	17.5	17.2	20
4.4	4.5	4.5	24.3	25.3	24.6	4.2	4.3	4.2	17.5	17.6	17.3	12.6	12.5	12.5	21
4.7	4.8	4.7	19.0	19.2	18.7	6.7	6.6	6.7	17.3	18.5	18.1	28.2	28.0	27.8	22
100.1	100.6	99.3	465.7	476.2	457.5	100.9	100.3	99.6	332.8	341.8	337.0	354.3	346.9	342.8	23
1.3	1.2	1.2	9.1	9.4	8.9	1.6	1.6	1.6	7.2	7.2	7.1	6.0	5.4	5.4	24
1.9	2.1	2.0	13.0	13.2	12.6	2.1	2.1	2.1	8.7	8.8	8.6	5.1	5.0	5.0	25
7.2	7.1	7.1	30.4	31.7	31.2	4.6	4.7	4.6	25.2	25.3	25.1	13.0	12.6	12.6	26
10.6	10.7	10.4	41.7	42.7	41.1	10.4	10.4	10.4	28.7	28.9	28.5	18.3	17.7	17.6	27
11.4	14.3	14.1	50.8	51.1	50.4	9.2	9.1	9.0	37.2	37.8	36.8	32.2	31.5	30.9	28
30.7	30.9	30.0	131.5	135.2	131.1	38.3	38.4	38.2	95.0	97.7	96.8	89.7	86.7	86.4	29
1.5	1.4	1.4	11.1	11.4	11.1	2.5	2.5	2.5	9.2	9.4	9.4	20.1	19.7	19.6	30
2.0	2.0	2.0	12.0	12.5	12.0	1.5	1.5	1.5	8.0	8.3	8.3	11.6	11.2	11.0	31
4.2	4.5	4.5	26.4	25.8	25.0	5.4	5.2	5.2	23.6	23.8	23.6	12.6	12.9	12.6	32
3.5	3.3	(*)	15.5	14.7	(*)	2.1	2.0	(*)	9.5	9.2	(*)	12.2	12.2	(*)	33
54.0	53.0	51.7	271.2	276.6	264.8	58.4	59.1	58.8	207.6	211.4	209.3	207.9	213.2	207.5	34
3.8	3.7	3.7	19.5	19.0	18.4	4.4	4.3	4.3	15.5	16.0	15.8	9.3	9.1	9.0	35
11.0	10.9	10.9	45.8	47.1	45.7	21.6	22.0	22.1	39.3	39.8	39.7	27.8	26.9	27.2	36
1.6	1.6	1.5	9.1	9.3	8.9	1.3	1.3	1.3	10.4	10.5	10.5	3.9	3.6	3.6	37
3.8	3.8	3.8	12.6	13.3	12.7	2.9	2.8	2.8	12.0	12.6	12.5	6.2	6.2	6.2	38
2.3	2.4	2.4	13.4	13.8	13.5	2.1	2.1	2.1	10.8	11.1	10.9	10.6	11.0	10.6	39
61.8	63.0	61.5	224.3	235.1	227.0	47.7	47.6	47.3	169.7	174.2	175.0	188.1	189.2	186.4	40
1.3	1.4	1.4	5.5	5.7	5.5	.8	.8	.8	3.8	4.2	4.1	13.9	11.3	10.8	41
8.0	8.0	7.9	18.5	18.9	18.4	5.9	6.0	5.9	17.4	17.9	17.7	21.7	21.7	21.5	42
10.3	10.2	10.2	45.3	46.8	46.1	9.6	9.6	9.5	38.7	40.2	40.0	24.2	23.0	22.6	43
(*)	67.3	66.3	(*)	268.3	256.4	(*)	51.3	51.1	(*)	216.3	215.3	(*)	231.0	228.5	44
7.5	7.6	(*)	33.3	34.7	(*)	7.6	7.7	(*)	26.7	27.4	(*)	32.0	33.5	(*)	45
(*)	22.1	(*)	(*)	91.9	(*)	(*)	23.0	(*)	(*)	80.2	(*)	(*)	56.1	(*)	46
2.3	2.4	2.3	7.1	7.0	6.4	1.2	1.3	1.3	5.9	6.3	5.4	4.8	4.7	4.7	47
124.7	132.3	130.3	359.9	380.8	371.5	75.3	75.4	75.2	275.7	294.7	293.6	316.1	310.6	308.1	48
2.4	2.4	2.3	11.3	12.1	11.7	2.9	3.0	3.0	10.8	11.4	11.4	15.3	16.0	16.0	49
11.3	11.3	11.1	45.7	48.8	47.3	11.2	12.4	12.3	34.3	36.4	36.7	53.7	49.4	47.6	50
6.0	7.1	7.0	20.8	24.9	24.4	2.7	3.4	3.3	15.2	17.9	17.6	11.4	11.1	10.6	51
3.8	4.4	4.3	14.5	16.0	15.4	2.7	3.1	3.0	9.7	11.2	11.2	10.9	11.4	11.3	52
2.9	2.6	2.6	13.4	13.2	12.7	4.0	3.9	3.9	8.0	8.8	8.6	11.4	10.4	10.4	53
51.6	55.9	55.6	125.7	133.2	130.3	30.3	31.2	31.1	110.3	116.7	116.7	79.7	82.2	81.4	54
10.3	9.1	8.7	35.7	36.3	35.6	7.1	6.9	7.0	27.8	30.2	29.9	24.7	26.1	26.0	55
18.2	17.9	17.8	83.6	88.6	85.1	16.5	17.2	17.3	76.6	77.8	76.1	83.9	84.4	81.4	56
1.2	1.2	1.2	7.8	8.2	7.7	1.6	1.8	1.7	7.5	7.6	7.6	3.1	3.1	3.0	57
5.5	5.6	5.5	23.5	26.2	24.9	7.3	7.7	7.7	19.5	21.4	20.9	12.7	13.0	12.3	58
85.6	87.6	85.6	396.2	419.5	400.9	91.4	93.7	92.6	362.8	376.4	368.4	430.3	417.2	406.3	59
58.0	58.0	57.2	215.8	229.7	221.8	56.8	58.0	57.5	193.3	200.6	197.5	226.0	218.0	213.3	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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
1 MASSACHUSETTS	2,609.6	2,690.5	2,602.0	(2)	(2)	(2)	64.6	70.5	63.2	663.8	665.0	656.3
1 Boston	1,452.4	1,520.0	1,475.0	(2)	(2)	(2)	36.6	43.0	36.6	289.4	297.4	292.8
2 Brockton	56.5	58.6	57.4	(2)	(2)	(2)	1.3	1.3	1.1	12.4	12.9	12.9
3 Fall River	53.5	53.7	52.9	(2)	(2)	(2)	1.1	1.3	.9	19.8	19.4	19.5
4 Lawrence—Haverhill	111.7	113.1	109.6	(2)	(2)	(2)	2.4	3.3	2.4	44.6	43.1	42.8
5 Lowell	75.3	77.4	75.6	(2)	(2)	(2)	2.4	2.5	2.2	28.1	29.5	29.7
6 New Bedford	63.1	64.5	63.0	(2)	(2)	(2)	1.3	1.5	1.3	25.2	25.4	25.2
7 Springfield—Chicopee—Holyoke	226.6	235.6	226.4	(2)	(2)	(2)	5.9	5.9	5.1	64.0	62.6	61.8
8 Worcester	163.6	166.3	160.7	(2)	(2)	(2)	5.6	6.0	5.5	48.3	46.8	46.6
10 MICHIGAN	3,437.2	3,385.0	(*)	12.4	11.4	(*)	103.1	96.8	(*)	1,021.7	941.4	(*)
11 Ann Arbor	141.3	136.0	(*)	(2)	(2)	(*)	2.6	2.5	(*)	44.0	38.3	(*)
12 Battle Creek	63.3	62.8	(*)	(2)	(2)	(*)	1.4	1.5	(*)	21.2	20.5	(*)
13 Bay City	34.7	34.9	(*)	(2)	(2)	(*)	.9	.9	(*)	9.6	9.1	(*)
14 Detroit	1,665.9	1,636.1	(*)	1.2	1.0	(*)	45.2	45.2	(*)	488.7	445.5	(*)
15 Flint	197.0	190.4	(*)	(2)	(2)	(*)	6.6	7.5	(*)	77.3	73.7	(*)
16 Grand Rapids	266.2	272.7	(*)	(2)	(2)	(*)	9.8	10.5	(*)	91.7	91.6	(*)
17 Jackson	51.3	50.4	(*)	(2)	(2)	(*)	1.0	1.0	(*)	14.4	13.8	(*)
18 Kalamazoo—Portage	107.5	108.5	(*)	(2)	(2)	(*)	3.8	4.1	(*)	32.3	31.9	(*)
19 Lansing—East Lansing	191.5	195.8	(*)	(2)	(2)	(*)	5.4	4.2	(*)	40.3	42.9	(*)
20 Muskegon—Norton Shores—Musk. Hts.	60.1	59.2	(*)	(2)	(2)	(*)	1.7	1.8	(*)	20.8	19.2	(*)
21 Saginaw	86.2	82.6	(*)	(2)	(2)	(*)	2.0	1.8	(*)	31.6	27.9	(*)
22 MINNESOTA	1,726.3	1,764.5	1,712.7	14.8	13.4	12.9	59.2	62.5	52.7	261.1	263.2	357.3
23 Duluth—Superior	58.8	57.6	56.5	(2)	(2)	(2)	1.5	1.3	1.2	8.1	7.5	7.5
24 Minneapolis—St. Paul	1,085.4	1,114.0	1,085.2	(2)	(2)	(2)	36.0	34.9	30.0	242.0	248.8	245.8
25 Rochester	50.1	50.7	50.0	(3)	(3)	(3)	1.4	1.3	1.0	10.1	10.1	17.1
26 St. Cloud	55.0	54.9	53.7	(2)	(2)	(2)	2.4	2.4	2.1	12.2	11.3	11.4
27 MISSISSIPPI	815.9	821.9	806.9	11.5	12.9	12.8	38.6	40.9	39.7	218.9	217.9	213.1
28 Jackson	147.6	148.3	145.6	1.8	2.1	2.1	6.5	5.6	5.0	19.1	18.4	17.9
29 MISSOURI	1,936.3	1,967.5	1,926.8	7.0	7.4	6.9	73.9	84.7	72.7	428.0	419.4	415.2
30 Kansas City	617.8	612.8	597.0	.5	.5	.4	21.6	21.3	18.1	118.2	110.2	111.3
31 St. Joseph	36.9	35.4	34.6	(3)	(3)	(3)	1.6	1.6	1.4	9.2	8.0	7.7
32 St. Louis	984.1	992.1	965.9	3.4	3.5	3.3	41.0	41.1	35.9	235.0	227.9	225.7
33 Springfield	84.7	87.9	85.4	(3)	(3)	(3)	2.9	3.3	2.5	17.6	17.7	17.9
34 MONTANA	274.8	292.5	287.8	10.4	12.1	11.9	10.9	13.8	13.2	23.1	23.8	23.3
35 Billings	46.6	49.3	48.8	(2)	(2)	(2)	1.8	2.5	2.4	4.3	4.4	4.3
36 Great Falls	28.5	30.4	30.0	(2)	(2)	(2)	1.1	1.4	1.4	1.3	1.5	1.5
37 NEBRASKA	611.1	629.1	610.9	1.5	1.6	1.4	24.7	24.0	20.9	94.4	93.7	91.9
38 Lincoln	98.2	99.8	97.1	(3)	(3)	(3)	3.4	3.1	2.6	13.0	12.9	12.7
39 Omaha	258.7	265.2	257.9	(3)	(3)	(3)	9.3	9.2	7.7	35.4	34.7	34.3
40 NEVADA	(*)	417.3	411.8	(*)	7.9	7.7	(*)	23.9	23.0	(*)	20.7	20.6
41 Las Vegas	(*)	232.8	232.0	(*)	.6	.6	(*)	14.2	14.3	(*)	7.7	7.7
42 Reno	(*)	116.1	113.4	(*)	.7	.7	(*)	5.7	5.4	(*)	8.5	9.4
43 NEW HAMPSHIRE	(*)	397.1	388.5	(*)	(*)	(*)	(*)	(*)	(*)	(*)	115.5	114.2
44 Manchester	(*)	75.8	74.1	(*)	(3)	(3)	(*)	3.0	2.6	(*)	16.9	16.6
45 Nashua	(*)	68.5	67.3	(*)	(3)	(3)	(*)	2.7	2.5	(*)	31.3	30.8
46 NEW JERSEY	3,016.1	3,094.2	3,028.0	2.2	2.3	2.1	131.3	111.8	102.7	770.2	759.4	747.9
47 Atlantic City	92.1	98.8	96.6	-	-	-	4.8	4.1	3.9	8.1	7.6	7.4
48 Camden	324.7	331.8	326.3	.1	.1	.1	11.5	13.7	11.8	68.4	69.2	63.8
49 Hackensack	390.9	400.7	392.7	(2)	(2)	(2)	12.5	15.2	13.6	108.5	107.9	106.6
50 Jersey City	224.9	227.6	223.0	-	-	-	4.2	5.6	5.0	67.6	65.6	64.5
51 Long Branch—Asbury Park	159.7	166.5	162.7	(2)	(2)	(2)	6.4	8.3	7.7	25.2	25.4	24.7
52 New Bruns. Perth Amboy—Sayreville	287.0	288.0	280.8	(2)	(2)	(2)	10.5	10.8	9.8	90.5	87.4	86.2
53 Newark	935.0	944.8	930.9	.7	.9	.8	31.3	30.5	28.5	244.2	237.4	235.2
54 Paterson—Clifton—Passaic	186.0	188.9	184.8	(2)	(2)	(2)	6.2	7.1	6.7	65.7	64.2	63.1
55 Trenton	162.1	162.0	158.7	(2)	(2)	(2)	2.7	3.3	3.1	34.3	33.3	32.3
56 Vineland—Millville—Bridgeton	54.4	53.7	52.4	(2)	(2)	(2)	1.8	2.0	1.9	17.2	17.4	16.6
57 NEW MEXICO	455.7	473.8	461.2	33.7	30.5	29.8	25.9	28.7	27.5	33.6	31.9	31.2
58 Albuquerque	185.4	190.0	185.1	(2)	(2)	(2)	11.4	11.6	10.7	17.6	17.5	16.4
59 Las Cruces	29.7	30.7	30.4	-	-	-	1.7	1.6	1.6	2.5	2.5	2.5
60 NEW YORK	7,099.4	7,355.7	7,183.2	5.5	6.3	5.6	178.4	210.9	187.9	1,405.0	1,413.8	1,386.9
61 Albany—Schenectady—Troy	331.2	338.8	331.2	(2)	(2)	(2)	8.7	9.0	7.0	56.9	54.2	53.4
62 Binghamton	114.7	119.8	118.6	(2)	(2)	(2)	3.2	3.6	3.2	41.8	44.4	44.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

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

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
123.2	126.6	123.8	566.9	601.6	570.4	160.3	164.9	165.2	632.0	582.7	658.8	398.8	370.2	364.3	1
74.4	74.3	74.1	317.2	332.6	321.0	110.9	114.7	115.0	416.8	461.1	443.7	207.1	196.9	192.8	2
3.7	3.6	3.6	15.2	16.1	15.8	1.9	1.9	2.0	10.2	11.2	10.7	11.8	11.6	11.3	3
1.9	2.1	2.0	11.0	11.6	11.2	2.7	2.8	2.9	9.3	9.5	9.5	7.7	7.0	6.9	4
4.7	4.7	4.5	21.5	22.7	22.0	4.2	4.4	4.4	17.0	18.9	18.0	16.4	16.3	15.5	5
3.2	3.2	3.3	15.7	16.2	15.5	2.0	2.1	2.1	12.0	12.6	12.0	11.9	11.3	10.8	6
2.4	2.9	2.8	11.7	12.2	11.6	2.0	2.0	2.0	9.3	9.8	9.6	11.1	10.7	10.5	7
9.2	9.5	9.3	46.8	50.7	47.9	13.3	13.6	13.6	44.6	48.0	46.7	42.8	45.3	42.0	8
7.3	7.6	7.6	34.8	37.5	35.7	9.3	9.6	9.6	32.1	34.5	31.8	26.2	24.3	23.9	9
148.7	143.3	(*)	724.4	742.7	(*)	156.6	153.0	(*)	651.2	672.6	(*)	619.2	623.8	(*)	10
3.1	3.3	(*)	19.0	18.5	(*)	4.2	4.0	(*)	23.0	23.6	(*)	44.5	45.6	(*)	11
2.3	2.3	(*)	10.7	11.1	(*)	3.8	3.8	(*)	11.3	11.5	(*)	12.3	12.1	(*)	12
1.7	1.7	(*)	8.3	8.6	(*)	1.3	1.3	(*)	7.3	8.0	(*)	5.6	5.3	(*)	13
79.5	76.1	(*)	364.1	378.9	(*)	90.6	89.0	(*)	350.5	362.1	(*)	246.0	238.2	(*)	14
6.2	6.1	(*)	41.3	41.5	(*)	6.5	6.7	(*)	30.0	29.4	(*)	29.1	28.6	(*)	15
11.4	11.5	(*)	61.2	64.9	(*)	10.8	10.7	(*)	47.6	50.5	(*)	33.7	33.2	(*)	16
5.1	5.2	(*)	10.3	10.5	(*)	1.7	1.7	(*)	9.4	9.4	(*)	9.4	8.9	(*)	17
3.5	3.8	(*)	21.3	21.5	(*)	3.7	3.9	(*)	21.8	22.4	(*)	21.1	20.8	(*)	18
5.6	5.6	(*)	34.8	35.7	(*)	9.4	9.3	(*)	28.7	29.7	(*)	67.2	68.3	(*)	19
3.1	3.1	(*)	11.6	12.5	(*)	1.8	1.8	(*)	9.6	9.7	(*)	11.5	11.1	(*)	20
4.9	4.8	(*)	17.7	18.6	(*)	4.1	4.0	(*)	14.1	14.7	(*)	11.8	10.8	(*)	21
97.7	96.0	93.8	427.1	442.2	423.3	95.0	96.8	96.7	366.2	385.9	377.3	305.1	303.5	298.7	22
5.9	6.0	5.5	16.1	15.4	14.9	2.2	2.1	2.1	12.8	13.2	13.3	12.2	11.9	12.0	23
64.3	63.0	62.1	267.7	278.2	267.1	70.8	72.3	72.2	242.0	256.9	250.8	161.6	160.0	157.2	24
1.9	1.9	1.9	10.4	10.8	10.5	1.4	1.4	1.5	19.0	19.7	19.7	5.8	5.4	5.4	25
3.5	3.3	3.3	13.6	13.7	13.3	1.9	1.9	1.9	9.9	10.7	10.5	11.5	11.5	11.1	26
39.8	40.6	40.4	160.5	167.5	161.4	32.5	33.2	33.0	119.9	121.7	121.0	194.1	187.2	185.4	27
10.0	10.0	10.0	34.7	35.7	34.7	11.1	11.2	11.1	29.6	30.5	30.1	34.8	34.7	34.7	28
136.8	137.1	136.2	454.9	472.0	456.8	107.2	108.6	108.1	390.4	404.6	399.8	338.1	333.7	331.1	29
51.5	51.0	50.4	159.6	162.7	154.4	44.1	44.6	44.2	127.6	131.2	129.4	94.7	91.3	88.8	30
2.2	2.2	2.2	9.0	8.8	8.5	1.9	1.9	2.0	6.8	6.6	6.6	6.2	6.2	6.2	31
71.9	71.1	70.0	224.4	232.9	224.7	56.8	57.3	56.6	216.5	223.7	217.6	135.1	135.3	132.8	32
7.0	7.1	7.1	22.8	24.4	22.6	3.5	3.5	3.5	19.2	20.0	19.6	11.7	12.2	12.2	33
22.1	23.0	23.2	70.3	77.4	74.9	12.8	12.7	12.6	54.9	57.7	57.9	70.3	72.3	71.1	34
4.3	4.5	4.5	15.4	16.4	16.0	2.4	2.5	2.5	10.9	11.5	11.6	7.6	7.5	7.4	35
1.9	2.0	2.1	9.2	10.2	10.1	2.1	2.3	2.3	7.0	7.4	7.0	5.8	5.7	5.7	36
46.9	45.5	44.9	158.8	165.7	159.5	40.9	41.3	41.4	115.6	122.7	120.3	128.3	134.6	130.6	37
7.3	6.7	6.7	22.2	23.0	23.1	6.8	7.0	7.0	17.3	17.3	17.1	28.1	29.8	27.9	38
23.9	24.0	23.6	66.1	68.1	65.7	23.7	23.8	23.7	58.0	61.5	59.8	42.3	43.9	43.1	39
(*)	25.6	25.4	(*)	88.2	86.0	(*)	18.4	18.2	(*)	174.6	174.7	(*)	58.0	56.2	40
(*)	14.1	14.0	(*)	50.6	49.3	(*)	10.6	10.5	(*)	107.8	109.3	(*)	27.2	26.6	41
(*)	8.2	8.1	(*)	26.9	26.2	(*)	6.0	6.0	(*)	43.8	42.9	(*)	16.3	15.7	42
(*)	14.7	14.3	(*)	92.1	86.9	(*)	20.7	20.6	(*)	75.2	76.2	(*)	56.7	56.1	43
(*)	4.8	4.8	(*)	20.8	19.9	(*)	6.3	6.3	(*)	15.6	15.7	(*)	8.4	8.2	44
(*)	2.1	2.1	(*)	14.4	14.0	(*)	2.0	2.0	(*)	10.5	10.5	(*)	5.5	5.4	45
187.4	193.7	189.7	662.9	701.6	675.3	156.2	158.6	158.3	613.9	643.4	637.0	522.0	523.4	515.0	46
3.8	3.9	3.9	18.1	19.0	17.9	4.6	5.0	4.9	37.6	44.3	43.9	15.1	14.9	14.7	47
14.6	14.9	14.7	85.6	89.6	86.9	16.6	16.2	16.1	66.3	69.1	69.0	61.6	59.0	58.9	48
20.4	20.3	19.7	112.6	114.6	111.3	17.4	17.9	17.8	74.7	80.0	79.0	44.8	44.9	44.7	49
24.3	24.9	23.4	43.2	44.4	43.4	8.8	8.8	8.7	31.9	32.7	32.7	44.9	45.6	45.3	50
5.9	6.2	6.1	39.3	42.5	40.0	8.0	8.0	8.0	41.2	43.8	43.6	33.7	32.6	32.6	51
24.0	24.7	24.2	66.0	68.1	66.0	10.0	10.4	10.4	41.4	42.5	42.4	44.6	44.1	41.8	52
73.5	75.7	74.7	176.0	182.2	178.2	63.7	65.1	65.2	196.7	203.3	201.2	148.9	149.7	147.0	53
6.5	6.4	6.3	38.8	42.7	40.4	9.1	8.9	8.9	33.1	32.9	32.6	25.6	26.7	26.8	54
5.3	5.3	5.2	25.6	26.2	25.0	7.4	8.1	8.0	42.5	42.8	42.0	44.3	43.0	43.1	55
3.0	2.9	2.9	8.9	8.6	8.3	2.4	2.4	2.4	8.5	8.6	8.5	12.6	11.8	11.8	56
28.9	29.5	29.0	101.3	110.8	106.7	20.8	21.3	21.2	90.3	91.1	90.1	125.2	127.0	125.7	57
11.8	11.9	11.6	46.6	50.1	47.8	10.7	10.9	10.9	44.3	45.9	45.7	43.0	42.1	42.3	58
1.2	1.2	1.2	5.2	5.8	5.6	1.2	1.2	1.2	4.1	4.2	4.2	13.8	14.2	14.1	59
423.7	427.7	422.9	1,434.1	1,516.9	1,440.0	640.5	660.9	659.1	1,724.2	1,814.5	1,785.5	1,288.1	1,305.0	1,295.3	60
15.2	15.5	15.2	66.6	69.9	67.1	15.7	16.0	15.9	71.6	74.4	73.6	96.6	99.8	98.0	61
4.6	4.7	4.6	20.9	21.2	20.9	4.0	4.2	4.2	17.5	19.5	19.7	22.6	22.1	21.8	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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
NEW YORK—Continued												
1 Buffalo ¹	487.8	492.0	475.9	(2)	(2)	(2)	12.3	14.9	12.2	130.0	123.7	121.4
2 Elmira ²	36.5	36.8	35.6	(2)	(2)	(2)	.8	1.0	.7	11.2	11.1	10.5
3 Monroe County ³	336.4	345.8	341.4	(2)	(2)	(2)	7.9	9.1	8.4	136.7	137.8	138.6
4 Nassau—Suffolk ⁴	897.6	933.2	904.3	(2)	(2)	(2)	29.5	35.6	30.8	165.7	167.5	165.7
5 New York—NortheasternNew Jersey ⁵	6,638.5	(*)	(*)	2.7	(*)	(*)	184.2	(*)	(*)	1,312.5	(*)	(*)
6 New York and Nassau—Suffolk ⁶	4,621.0	4,784.7	4,686.0	1.9	1.9	1.9	120.1	139.5	127.7	726.6	731.4	715.2
7 New York SMSA ⁷	3,723.4	3,852.4	3,781.7	1.7	1.7	1.7	96.6	103.9	96.9	560.9	563.9	549.5
8 New York City ⁸	3,283.0	3,394.6	3,340.4	1.4	1.4	1.4	75.5	84.3	75.2	469.9	472.6	462.9
9 Poughkeepsie ⁹	96.3	102.2	100.2	(2)	(2)	(2)	2.0	2.6	2.5	31.8	33.3	33.1
10 Rochester ¹⁰	410.8	424.0	416.5	(2)	(2)	(2)	9.3	11.1	9.9	155.9	158.4	158.2
11 Rockland County ¹¹	79.6	82.9	81.2	(2)	(2)	(2)	2.2	2.7	2.5	15.2	15.9	15.6
12 Syracuse ¹²	254.2	259.8	252.4	(2)	(2)	(2)	7.6	9.4	8.5	59.1	58.4	57.8
13 Utica—Rome ¹³	110.1	114.6	112.3	(2)	(2)	(2)	2.0	2.4	2.0	28.2	29.7	29.3
14 Westchester County ¹⁴	348.9	361.5	347.8	(2)	(2)	(2)	12.4	16.4	14.5	74.5	74.1	69.8
15 NORTH CAROLINA¹	2,364.8	2,391.6	2,339.8	4.9	4.6	4.6	108.4	112.9	99.6	814.2	801.6	792.2
16 Asheville ¹⁶	73.2	70.9	65.6	(2)	(2)	(2)	2.8	3.0	2.8	21.8	21.5	21.1
17 Charlotte—Gastonia ¹⁷	337.4	341.0	333.7	(2)	(2)	(2)	17.4	18.4	16.9	94.1	94.3	92.7
18 Greensboro—Winston-Salem—High Pt. ¹⁸	387.9	395.2	386.9	(2)	(2)	(2)	15.8	17.4	15.4	149.0	148.9	147.7
19 Raleigh—Durham ¹⁹	276.8	279.8	272.7	(2)	(2)	(2)	13.1	13.6	12.0	45.4	45.5	45.2
20 NORTH DAKOTA¹	239.4	253.0	244.6	9.0	11.8	11.8	11.5	13.8	11.0	14.7	15.9	15.0
21 Fargo—Moorhead ¹	61.1	63.4	61.2	(3)	(3)	(3)	2.4	2.9	2.3	4.8	4.9	4.5
22 OHIO¹	4,303.8	4,301.4	4,192.6	30.8	32.2	31.7	150.2	149.0	126.3	1,239.9	1,173.8	1,169.7
23 Akron ²³	254.9	260.6	252.3	(*)	(*)	(*)	6.4	7.3	6.0	75.8	74.3	73.5
24 Canton ²⁴	153.4	157.0	152.8	(*)	(*)	(*)	4.6	5.1	4.3	54.7	54.0	52.8
25 Cincinnati ²⁵	595.8	596.2	576.8	(*)	(*)	(*)	22.8	21.7	18.9	163.2	156.7	152.4
26 Cleveland ²⁶	885.6	875.6	857.3	(*)	(*)	(*)	27.7	26.9	23.7	251.4	236.9	239.3
27 Columbus ²⁷	510.7	514.7	499.7	(*)	(*)	(*)	17.3	17.4	14.7	95.3	92.0	91.1
28 Dayton ²⁸	352.5	356.1	348.2	(*)	(*)	(*)	11.1	11.1	9.2	98.9	96.7	95.7
29 Toledo ²⁹	291.0	290.8	281.8	(*)	(*)	(*)	11.8	11.0	9.5	75.3	73.1	69.6
30 Youngstown—Warren ³⁰	194.5	193.1	192.2	(*)	(*)	(*)	6.3	6.2	5.4	65.2	59.9	63.5
31 OKLAHOMA¹	1,151.7	1,221.9	1,203.9	77.5	103.7	105.2	55.4	53.5	49.4	190.0	198.1	196.2
32 Enid ³²	(*)	27.2	26.6	(*)	3.3	3.4	(*)	1.4	1.3	(*)	3.0	2.8
33 Lawton ³³	(*)	30.0	29.6	(*)	(2)	(2)	(*)	1.3	1.3	(*)	3.1	3.0
34 Oklahoma City ³⁴	407.7	433.1	426.7	23.5	28.8	29.3	18.8	21.8	19.8	54.9	54.9	54.6
35 Tulsa ³⁵	312.7	329.5	326.5	24.7	27.9	28.1	15.0	16.0	14.9	65.5	69.1	68.9
36 OREGON	1,006.1	989.1	965.9	2.0	1.8	1.5	36.9	34.5	31.6	204.1	189.3	186.3
37 Eugene—Springfield ³⁷	100.9	98.7	96.9	(2)	(2)	(2)	3.9	4.0	3.7	18.8	16.6	16.4
38 Jackson County ³⁸	-	-	-	-	-	-	-	-	-	7.0	5.8	(*)
39 Portland ³⁹	542.9	530.9	519.5	(2)	(2)	(2)	21.7	18.3	17.1	113.1	103.2	102.2
40 Salem ⁴⁰	84.4	82.1	(*)	(2)	(2)	(*)	3.9	3.3	(*)	11.3	10.9	(*)
41 PENNSYLVANIA¹	4,653.7	4,703.7	4,565.8	47.0	48.4	47.3	156.9	176.7	154.1	1,294.5	1,263.5	1,244.3
42 Allentown—Bethlehem—Easton ⁴²	260.2	261.9	256.3	(2)	(2)	(2)	7.5	8.0	6.9	103.7	101.2	100.0
43 Altoona ⁴³	47.7	48.8	47.2	(2)	(2)	(2)	1.6	2.1	2.0	11.0	12.3	11.4
44 Delaware Valley ⁴⁴	1,563.1	1,583.5	1,545.8	(2)	(2)	(2)	56.0	58.8	53.0	361.0	352.3	347.4
45 Erie ⁴⁵	108.8	109.7	107.0	(2)	(2)	(2)	2.5	3.0	2.9	40.5	41.1	40.4
46 Harrisburg ⁴⁶	220.6	225.6	222.7	(2)	(2)	(2)	7.1	7.3	6.3	41.7	41.2	41.2
47 Johnstown ⁴⁷	82.6	80.5	77.2	8.0	8.1	8.1	2.3	2.5	1.9	17.8	15.2	14.7
48 Lancaster ⁴⁸	148.8	155.0	149.8	(2)	(2)	(2)	6.1	6.2	5.6	57.8	59.4	58.4
49 Northeast Pennsylvania ⁴⁹	234.0	235.6	231.9	1.1	1.1	1.0	9.2	10.2	9.6	67.9	66.3	66.1
50 Philadelphia SMSA ⁵⁰	1,903.0	1,928.0	1,884.9	(2)	(2)	(2)	67.4	72.5	64.9	431.0	422.4	416.9
51 Philadelphia City ⁵¹	775.4	774.3	759.3	(2)	(2)	(2)	19.1	18.8	18.0	129.5	127.0	125.3
52 Pittsburgh ⁵²	925.9	931.9	907.2	9.8	9.8	9.7	36.8	44.3	38.5	239.9	226.4	220.3
53 Reading ⁵³	136.9	141.7	137.5	(2)	(2)	(2)	4.1	4.6	4.0	53.2	53.8	52.8
54 Scranton ⁵⁴	85.1	85.3	(*)	(2)	(2)	(*)	1.7	1.8	(*)	26.8	26.8	(*)
55 Wilkes-Barre—Hazleton ⁵⁵	121.1	119.6	(*)	1.0	1.0	(*)	6.4	7.2	(*)	36.4	34.6	(*)
56 Williamsport ⁵⁶	45.3	46.7	45.7	(2)	(2)	(2)	1.0	1.0	.9	15.4	16.5	15.9
57 York ⁵⁷	155.0	156.5	153.1	(2)	(2)	(2)	6.2	6.6	5.9	65.3	64.9	63.7
58 RHODE ISLAND¹	391.6	402.2	388.1	(2)	(2)	(2)	9.6	12.6	9.9	126.8	123.0	119.9
59 Providence—Warwick—Pawtucket ⁵⁹	399.3	408.7	394.4	(2)	(2)	(2)	9.7	12.7	9.9	139.7	136.5	132.7
60 SOUTH CAROLINA¹	(*)	1,195.1	1,171.5	(*)	(2)	(2)	(*)	67.9	64.4	(*)	381.7	376.2
61 Charleston—North Charleston ⁶¹	(*)	153.5	150.0	(*)	(2)	(2)	(*)	9.7	9.8	(*)	20.2	20.1
62 Columbia ⁶²	(*)	182.6	179.3	(*)	(2)	(2)	(*)	8.5	8.4	(*)	26.9	26.6
63 Greenville—Spartanburg ⁶³	(*)	268.2	266.6	(*)	(2)	(2)	(*)	16.3	15.9	(*)	100.9	100.2

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			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
26.2	26.1	25.2	109.9	113.0	106.9	22.1	22.3	22.3	102.4	107.4	105.1	85.7	84.7	82.8	1
1.3	1.3	1.3	8.7	8.8	8.6	1.1	1.2	1.2	7.1	7.2	7.1	6.3	6.3	6.2	2
10.2	10.3	10.2	59.3	62.5	59.9	13.9	14.3	14.4	68.4	71.4	70.4	40.2	40.3	39.4	3
29.4	41.9	41.3	232.2	246.1	232.9	52.5	52.6	52.6	202.7	216.7	211.0	175.4	172.8	170.0	4
466.9	(*)	(*)	1,383.5	(*)	(*)	632.4	(*)	(*)	1,585.7	(*)	(*)	1,070.6	(*)	(*)	5
315.1	317.5	314.8	939.6	987.9	941.6	536.6	554.2	553.0	1,225.1	1,287.0	1,272.0	756.0	765.4	759.7	6
275.6	275.6	273.5	707.4	741.7	708.6	484.1	501.6	500.5	1,022.6	1,071.4	1,061.3	580.6	592.6	589.7	7
252.8	251.9	250.1	605.2	633.4	605.6	462.1	478.9	477.9	914.6	959.2	952.1	501.5	513.2	511.7	8
2.7	2.9	2.9	16.1	16.8	16.2	2.8	2.9	2.8	17.8	19.6	18.9	23.1	24.2	23.7	9
12.7	12.7	12.5	76.0	83.9	77.4	15.5	15.8	15.9	80.3	83.4	82.1	61.1	61.7	60.4	10
3.3	3.4	3.4	17.4	18.3	17.5	2.6	2.7	2.7	18.1	18.3	18.2	20.8	21.6	21.2	11
14.2	14.4	14.1	55.5	57.7	55.5	16.2	16.3	16.2	52.8	55.2	52.1	48.8	48.7	48.1	12
3.9	3.9	3.9	22.0	22.8	22.2	5.4	5.6	5.5	20.2	21.2	20.9	28.4	28.9	28.6	13
19.0	19.7	19.4	81.9	87.1	82.6	18.9	19.4	19.4	87.2	90.2	88.1	55.0	54.6	54.1	14
114.8	117.6	115.6	469.9	483.7	467.1	96.3	98.1	98.1	340.6	352.8	350.4	416.6	420.3	412.2	15
3.7	3.6	3.6	15.2	16.1	15.3	2.3	2.4	2.5	12.5	12.3	12.2	11.9	12.0	12.1	16
31.0	31.5	31.1	82.9	83.2	80.4	21.2	21.5	21.5	53.0	54.4	54.1	37.7	37.7	37.0	17
20.7	21.2	20.8	77.6	80.3	77.2	18.4	18.8	18.8	58.2	60.7	60.1	48.2	47.9	46.9	18
13.2	13.6	13.7	53.5	54.7	52.8	15.7	15.9	16.0	60.4	59.7	58.9	75.5	76.8	74.1	19
16.9	17.2	17.0	64.3	67.8	65.0	11.5	11.9	11.8	50.5	53.0	52.5	61.0	61.6	60.5	20
4.0	3.9	3.8	18.4	19.1	18.5	3.8	3.9	3.9	14.2	15.0	14.7	13.5	13.7	13.5	21
217.9	220.1	213.9	949.1	971.3	920.8	206.5	206.3	204.7	818.4	860.2	849.8	691.1	688.6	675.5	22
13.5	13.9	13.5	55.8	59.1	56.4	9.2	9.1	9.1	49.9	51.5	51.3	42.8	44.7	42.0	23
6.9	7.2	7.0	32.3	33.9	32.7	6.3	6.3	6.3	28.7	30.1	29.7	19.0	19.0	18.7	24
33.0	33.4	32.8	139.4	142.7	136.4	32.9	32.6	31.9	119.5	123.7	120.8	84.8	84.1	83.3	25
44.7	45.7	44.1	205.7	204.4	194.2	48.6	48.0	47.6	184.3	193.5	190.2	121.9	118.9	116.9	26
24.3	24.7	23.7	122.2	125.9	118.7	39.0	40.1	40.2	106.1	109.2	107.8	105.8	104.7	102.8	27
13.1	13.3	13.0	72.0	75.8	71.7	13.6	13.7	13.7	73.3	75.1	75.3	70.1	70.0	69.3	28
19.4	19.3	18.5	65.4	68.0	64.5	10.8	10.0	10.5	60.0	64.6	64.0	48.0	46.6	45.8	29
9.0	9.4	8.9	43.7	44.8	42.5	7.1	7.2	7.1	37.3	38.9	38.8	25.5	26.0	25.2	30
68.0	67.6	67.4	272.9	291.7	281.0	57.0	59.2	59.1	203.7	203.4	203.8	227.2	244.7	241.8	31
(*)	2.7	2.6	(*)	7.3	7.2	(*)	1.2	1.2	(*)	4.5	4.5	(*)	3.8	3.8	32
(*)	1.4	1.4	(*)	7.5	7.3	(*)	1.2	1.2	(*)	4.7	4.7	(*)	10.8	10.7	33
23.5	24.4	24.2	99.8	110.2	105.7	25.4	26.4	26.6	70.6	73.8	74.1	91.2	92.8	92.4	34
23.5	23.6	23.8	71.6	76.4	74.3	15.3	16.0	16.0	61.8	65.1	65.0	35.3	35.4	35.5	35
59.3	58.5	56.9	249.1	251.7	241.9	67.1	63.4	63.0	187.6	189.7	186.9	200.0	200.2	197.8	36
5.2	4.8	4.8	25.3	24.9	24.1	5.3	5.2	5.3	19.9	19.9	19.9	22.5	22.3	22.7	37
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
35.6	35.6	35.5	139.5	138.9	133.3	45.4	44.1	43.6	110.2	111.7	109.6	87.4	79.1	78.2	39
2.8	2.8	(*)	19.0	18.7	(*)	5.4	5.4	(*)	14.8	14.9	(*)	27.2	26.1	(*)	40
257.8	254.4	247.6	972.3	1,007.3	957.9	238.0	239.6	239.0	970.6	1,013.6	990.1	716.6	700.2	689.5	41
13.7	13.7	13.7	51.6	53.6	51.4	9.5	9.6	9.5	44.6	46.5	45.4	29.6	29.3	29.4	42
6.9	5.5	5.5	10.6	10.9	10.5	1.5	1.5	1.5	8.5	8.9	8.6	7.7	7.6	7.7	43
81.6	79.8	79.4	329.4	338.8	325.9	110.3	112.1	112.2	394.0	412.6	403.0	235.9	229.1	224.9	44
5.0	4.9	4.8	21.4	21.9	21.2	4.9	4.8	4.8	21.3	22.7	22.2	13.2	11.3	10.7	45
16.8	16.5	16.4	45.3	45.9	44.6	12.8	12.8	13.1	38.9	40.7	40.6	58.0	61.2	60.5	46
5.0	4.9	4.7	15.4	15.8	14.0	3.9	4.0	3.9	15.5	15.8	15.6	14.7	14.2	14.3	47
6.1	6.0	5.9	32.6	34.2	32.2	5.5	6.1	6.1	25.7	27.9	27.2	15.0	15.2	14.4	48
12.7	12.6	12.4	49.8	50.8	48.3	9.7	10.0	10.0	45.1	46.8	46.5	38.5	37.8	38.7	49
96.3	94.7	94.1	414.9	433.5	414.8	127.5	129.4	129.5	462.5	483.2	473.5	303.4	295.3	291.2	50
51.6	50.1	49.8	144.5	148.1	141.6	66.8	66.2	65.9	216.7	224.0	219.0	147.2	140.1	139.7	51
55.3	54.4	53.6	207.5	214.7	207.8	46.1	45.9	45.6	212.7	220.2	216.2	117.8	116.2	115.5	52
6.3	6.5	6.5	27.7	29.2	27.4	6.2	6.5	6.5	22.9	23.9	23.6	16.5	17.2	16.7	53
3.9	3.9	(*)	18.8	19.3	(*)	3.6	3.6	(*)	18.2	19.0	(*)	12.1	11.2	(*)	54
7.1	6.9	(*)	26.2	26.4	(*)	5.2	5.2	(*)	19.5	20.6	(*)	19.3	17.7	(*)	55
2.2	2.3	2.3	9.8	9.9	9.7	2.1	2.2	2.2	8.1	8.3	8.3	6.7	6.5	6.4	56
7.0	7.5	7.4	33.3	33.6	32.5	3.8	4.0	4.0	21.0	22.0	21.9	17.8	17.9	17.7	57
12.8	13.3	12.9	78.6	83.9	78.7	20.7	21.1	20.9	84.6	90.0	87.7	58.5	58.3	58.1	58
12.8	13.1	12.8	79.2	83.4	78.7	20.6	21.0	20.8	81.2	86.2	84.0	56.1	55.8	55.5	59
(*)	54.5	53.9	(*)	235.8	228.8	(*)	50.0	49.5	(*)	167.2	164.4	(*)	238.0	234.2	60
(*)	9.4	8.7	(*)	34.0	32.5	(*)	6.5	6.4	(*)	26.6	26.0	(*)	47.1	46.5	61
(*)	9.5	9.5	(*)	37.8	37.0	(*)	14.5	14.2	(*)	28.6	28.5	(*)	56.8	55.0	62
(*)	9.7	9.6	(*)	56.1	55.5	(*)	10.2	10.2	(*)	38.7	39.1	(*)	36.3	36.1	63

**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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
1 SOUTH DAKOTA ¹	231.0	235.8	228.4	2.7	2.9	2.9	7.9	8.5	7.1	25.2	25.9	25.2
2 Rapid City.....	30.4	30.7	(*)	(3)	(3)	(*)	1.7	1.5	(*)	2.8	2.7	(*)
3 Sioux Falls.....	53.5	55.1	54.1	(3)	(3)	(3)	2.1	2.0	1.8	7.7	7.5	7.4
4 TENNESSEE ¹	1,719.8	1,734.8	1,690.8	9.5	10.4	9.8	69.8	76.6	68.2	496.5	493.5	486.8
5 Chattanooga ¹	170.1	168.1	167.3	1.0	1.1	1.1	5.9	5.8	5.7	49.5	48.1	47.8
6 Knoxville ¹	198.6	202.9	199.9	1.5	1.5	1.4	9.1	9.9	9.0	51.9	50.0	49.7
7 Memphis ¹	355.3	358.0	349.7	.2	.2	.1	13.9	13.5	13.3	59.3	57.2	56.0
8 Nashville—Davidson ¹	354.1	354.4	(*)	(2)	(2)	(*)	16.3	16.0	(*)	78.9	80.2	(*)
9 TEXAS ¹	5,962.6	6,299.0	6,236.6	265.5	308.0	308.3	408.0	438.9	424.6	1,085.3	1,113.4	1,099.2
10 Abilene.....	58.0	60.8	(*)	5.0	5.5	(*)	2.8	3.3	(*)	5.8	6.2	(*)
11 Amarillo.....	75.9	78.2	(*)	(2)	(2)	(*)	3.9	5.0	(*)	10.1	9.7	(*)
12 Austin.....	235.2	250.8	(*)	(2)	(2)	(*)	13.7	14.1	(*)	29.3	32.1	(*)
13 Beaumont—Port Arthur Orange.....	152.6	153.0	(*)	(2)	(2)	(*)	11.4	10.8	(*)	43.6	44.3	(*)
14 Corpus Christi.....	119.4	126.3	(*)	.2	.2	(*)	11.4	15.1	(*)	16.7	17.0	(*)
15 Dallas—Fort Worth ¹	1,475.7	1,540.5	1,522.0	28.0	31.4	31.5	80.3	78.7	77.4	326.4	329.2	325.2
16 El Paso.....	162.8	166.8	(*)	(2)	(2)	(*)	7.5	7.8	(*)	35.7	36.8	(*)
17 Galveston—Texas City.....	68.3	71.7	(*)	(2)	(2)	(*)	4.8	4.9	(*)	11.0	12.4	(*)
18 Houston ¹	1,501.7	1,598.1	1,585.6	94.3	104.8	104.7	143.5	148.8	148.1	253.4	267.6	266.3
19 Longview—Marshall.....	65.3	66.5	(*)	(2)	(2)	(*)	4.8	4.3	(*)	19.2	19.5	(*)
20 Lubbock.....	89.4	91.0	(*)	(2)	(2)	(*)	4.3	4.1	(*)	12.4	11.6	(*)
21 Midland.....	46.6	52.2	(*)	12.0	14.0	(*)	3.0	3.5	(*)	4.6	4.7	(*)
22 Odessa.....	54.6	59.0	(*)	8.4	9.1	(*)	4.4	5.3	(*)	7.6	8.8	(*)
23 San Angelo.....	35.6	38.0	(*)	.9	.9	(*)	2.1	2.3	(*)	6.3	6.2	(*)
24 San Antonio ¹	400.5	414.8	411.3	2.7	3.5	3.5	28.4	26.3	25.9	51.9	52.1	52.0
25 Sherman—Denison.....	36.9	36.6	(*)	.2	.3	(*)	1.5	1.4	(*)	13.4	12.3	(*)
26 Waco.....	71.0	72.7	(*)	(2)	(2)	(*)	3.3	3.0	(*)	16.4	16.5	(*)
27 Wichita Falls.....	53.1	54.8	(*)	3.4	3.7	(*)	2.4	2.6	(*)	9.8	10.3	(*)
28 UTAH ¹	546.1	568.8	557.7	20.0	21.5	21.6	25.6	27.7	23.8	86.8	90.5	89.2
29 Salt Lake City—Ogden ¹	385.9	399.0	391.7	7.9	8.1	8.1	17.5	18.0	16.0	59.7	62.1	61.3
30 VERMONT ¹	200.0	203.6	200.2	.5	.7	.5	8.6	10.4	8.4	50.5	50.4	49.7
31 Burlington.....	57.4	60.7	58.7	-	-	-	-	-	-	15.2	16.0	15.9
32 Springfield.....	14.9	14.6	14.5	-	-	-	-	-	-	6.4	6.0	5.9
33 VIRGINIA ¹	(*)	2,176.2	2,140.4	(*)	23.5	23.3	(*)	111.1	98.5	(*)	408.5	402.7
34 Bristol ¹	(*)	27.0	26.6	(*)	(2)	(2)	(*)	.8	.7	(*)	9.1	9.1
35 Lynchburg ¹	(*)	71.2	70.3	(*)	(2)	(2)	(*)	2.7	2.4	(*)	28.8	28.5
36 Newport News—Hampton ¹	(*)	149.7	147.6	(*)	(2)	(2)	(*)	6.6	5.9	(*)	34.1	33.7
37 Norfolk—Virginia Beach—Portsmouth ¹	(*)	291.9	285.6	(*)	(2)	(2)	(*)	16.9	15.6	(*)	39.0	29.5
38 Northern Virginia ¹	(*)	471.1	464.6	(*)	.4	.4	(*)	26.8	23.0	(*)	20.7	20.6
39 Petersburg—Colonial Hghts—Hopewell ¹	(*)	45.1	44.9	(2)	(2)	(2)	(*)	1.8	1.7	(*)	10.3	10.1
40 Richmond ¹	(*)	329.0	326.9	(*)	.3	.3	(*)	17.1	16.6	(*)	55.9	55.7
41 Roanoke ¹	(*)	102.1	100.8	(*)	.2	.2	(*)	4.2	3.9	(*)	20.7	20.5
42 WASHINGTON ¹	(*)	1,576.6	1,537.5	(*)	3.1	3.0	(*)	79.5	72.4	(*)	290.2	286.7
43 Seattle—Everett.....	784.6	770.6	(*)	(2)	(2)	(*)	36.2	34.6	(*)	173.7	163.5	(*)
44 Spokane.....	125.1	123.9	(*)	(2)	(2)	(*)	5.0	4.8	(*)	16.2	15.9	(*)
45 Tacoma.....	140.8	139.2	(*)	(2)	(2)	(*)	6.6	6.2	(*)	22.1	22.2	(*)
46 WEST VIRGINIA.....	633.1	628.9	610.3	66.1	67.6	66.4	26.5	24.0	18.3	115.7	107.1	104.5
47 Charleston.....	113.8	111.0	109.0	6.8	6.8	6.7	5.2	4.8	3.6	17.4	16.6	16.3
48 Huntington—Ashland.....	102.6	103.3	100.8	1.1	1.2	1.2	3.6	4.1	3.1	26.3	24.7	24.2
49 Parkersburg—Marietta.....	56.9	57.8	56.6	.9	1.4	1.4	2.6	2.7	2.1	16.7	16.5	16.3
50 Wheeling.....	64.1	64.5	63.2	5.3	4.9	4.9	2.1	2.2	1.6	11.8	11.7	11.5
51 WISCONSIN ¹	1,914.3	1,912.8	1,860.0	1.7	1.8	1.6	67.3	57.1	48.8	544.8	525.7	515.4
52 Appleton—Oshkosh ¹	122.9	125.1	121.2	(2)	(2)	(2)	7.7	4.3	3.9	45.8	46.1	45.1
53 Eau Claire ¹	47.9	49.1	46.5	(2)	(2)	(2)	1.8	1.7	1.4	8.7	9.0	8.7
54 Green Bay ¹	77.2	79.0	76.8	(2)	(2)	(2)	2.7	2.8	2.4	20.8	21.4	20.9
55 Janesville—Beloit ¹	51.4	48.9	46.7	(2)	(2)	(2)	1.9	1.2	1.1	20.5	16.8	15.5
56 Kenosha ¹	41.8	41.7	40.7	(2)	(2)	(2)	1.8	1.4	1.2	16.4	16.0	15.8
57 La Crosse ¹	45.1	46.3	45.2	(2)	(2)	(2)	1.3	1.3	1.2	10.5	10.2	10.0
58 Madison ¹	169.0	172.0	167.7	(2)	(2)	(2)	6.0	5.7	5.2	19.7	20.2	20.0
59 Milwaukee ¹	670.4	557.3	645.3	(2)	(2)	(2)	20.0	17.4	14.8	201.8	191.1	190.1
60 Racine ¹	68.0	65.3	62.4	(2)	(2)	(2)	1.6	1.2	1.2	29.5	26.5	24.4
61 WYOMING ¹	209.3	215.5	210.2	36.1	39.5	39.7	18.3	17.6	16.1	9.7	10.4	10.2
62 Casper ¹	38.9	41.0	40.1	7.5	7.8	7.5	3.1	3.1	3.0	1.8	2.1	2.0
63 Cheyenne ¹	30.7	30.7	29.6	(2)	(2)	(2)	2.0	1.6	1.5	1.5	1.3	1.3

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			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
12.9	13.0	12.7	62.2	64.7	62.7	11.1	11.3	11.3	49.7	50.4	49.5	59.3	59.1	57.0	1
1.8	1.9	(*)	8.6	8.5	(*)	1.5	1.5	(*)	6.7	7.0	(*)	7.3	7.6	(*)	2
4.7	4.6	4.5	15.8	16.3	16.0	3.3	3.5	3.5	13.1	14.1	13.9	6.8	7.1	7.0	3
84.4	85.1	81.2	371.8	379.8	366.1	78.4	76.7	74.8	292.2	312.1	305.8	317.2	310.6	298.1	4
7.6	7.7	7.6	34.2	34.3	34.2	9.7	9.7	9.6	29.1	29.2	29.2	33.1	32.2	32.1	5
8.2	8.3	8.1	42.2	45.1	43.8	8.6	8.6	8.6	32.9	33.8	33.5	44.2	45.7	45.8	6
27.2	27.4	26.7	95.8	100.7	96.4	20.1	19.9	19.9	73.4	75.5	75.1	65.4	63.6	62.2	7
19.0	18.8	(*)	79.2	78.1	(*)	24.1	23.9	(*)	72.0	75.1	(*)	64.6	62.3	(*)	8
370.4	390.5	390.7	1,458.1	1,583.5	1,562.9	339.5	353.1	352.3	1,040.1	1,107.2	1,104.7	996.7	1,004.4	993.9	9
3.1	3.1	(*)	15.9	17.2	(*)	2.7	2.9	(*)	13.1	13.3	(*)	9.6	9.3	(*)	10
7.2	7.3	(*)	22.3	23.7	(*)	3.6	3.7	(*)	15.2	16.1	(*)	12.7	12.7	(*)	11
7.2	7.6	(*)	50.9	54.5	(*)	14.1	14.9	(*)	42.9	47.3	(*)	77.1	80.6	(*)	12
11.9	11.6	(*)	33.7	33.4	(*)	5.5	5.9	(*)	26.8	27.8	(*)	19.7	19.2	(*)	13
7.4	7.3	(*)	30.6	32.2	(*)	5.9	5.8	(*)	21.0	22.2	(*)	26.2	26.5	(*)	14
44.5	99.6	99.0	390.4	415.8	406.1	111.0	116.8	116.9	261.2	284.7	283.6	183.9	184.3	182.3	15
11.3	11.0	(*)	39.3	43.7	(*)	7.3	7.7	(*)	25.0	25.0	(*)	36.7	37.8	(*)	16
6.3	6.9	(*)	13.0	13.9	(*)	4.5	4.6	(*)	10.8	11.1	(*)	17.0	17.9	(*)	17
105.3	110.8	108.8	359.9	391.8	386.2	89.3	94.4	94.5	288.6	309.5	307.8	167.4	170.4	169.2	18
3.6	3.6	(*)	14.9	15.1	(*)	2.4	2.4	(*)	13.0	13.7	(*)	7.4	7.9	(*)	19
5.2	5.2	(*)	26.8	27.9	(*)	4.8	4.9	(*)	16.8	17.4	(*)	19.1	19.9	(*)	20
2.7	2.9	(*)	10.6	11.9	(*)	2.3	2.9	(*)	6.8	7.7	(*)	4.6	4.6	(*)	21
2.4	2.5	(*)	16.3	17.5	(*)	2.0	2.1	(*)	6.9	7.3	(*)	6.6	6.4	(*)	22
3.3	3.6	(*)	8.4	9.3	(*)	1.0	1.7	(*)	6.6	7.3	(*)	6.4	6.7	(*)	23
18.3	19.4	19.3	98.4	105.8	103.2	27.6	27.6	27.3	80.0	85.1	85.0	93.2	95.0	95.1	24
2.4	2.5	(*)	7.3	7.5	(*)	1.2	1.3	(*)	5.8	6.2	(*)	5.1	5.1	(*)	25
3.4	3.5	(*)	16.9	18.1	(*)	4.3	4.3	(*)	15.4	16.0	(*)	11.3	11.3	(*)	26
2.7	2.7	(*)	13.4	13.8	(*)	2.3	2.4	(*)	8.2	8.3	(*)	10.9	11.0	(*)	27
33.1	35.0	34.7	127.8	135.8	130.0	26.1	26.6	26.6	101.0	105.9	105.7	125.6	125.7	126.1	28
26.1	27.4	27.0	96.0	101.0	96.5	21.0	21.5	21.4	68.7	71.3	71.2	89.2	89.6	90.1	29
8.6	8.6	8.7	40.7	43.1	42.1	8.1	8.2	8.2	46.9	44.3	46.5	36.1	37.9	36.1	30
2.3	2.4	2.4	12.0	12.7	12.4	-	-	-	12.0	12.3	12.2	-	-	-	31
.7	.6	.6	2.2	2.2	2.2	-	-	-	2.8	2.8	2.9	-	-	-	32
(*)	117.6	117.9	(*)	483.1	468.7	(*)	105.7	105.1	(*)	415.6	413.6	(*)	511.1	510.7	33
(*)	1.1	1.1	(*)	6.8	6.6	(*)	.9	.9	(*)	3.4	3.4	(*)	4.9	4.9	34
(*)	2.7	2.7	(*)	12.4	12.2	(*)	3.3	3.3	(*)	11.2	11.2	(*)	10.1	10.1	35
(*)	4.9	5.1	(*)	29.7	28.8	(*)	4.8	4.7	(*)	29.6	29.0	(*)	40.1	40.4	36
(*)	19.7	20.1	(*)	72.6	69.0	(*)	14.9	14.8	(*)	59.5	58.2	(*)	79.4	79.4	37
(*)	31.3	31.3	(*)	117.2	115.7	(*)	28.9	28.8	(*)	125.5	125.3	(*)	120.2	119.6	38
(*)	1.3	1.3	(*)	9.0	9.0	(*)	1.2	1.2	(*)	6.9	7.0	(*)	14.6	14.6	39
(*)	19.9	20.0	(*)	77.9	77.2	(*)	26.1	26.1	(*)	60.5	59.7	(*)	71.4	71.6	40
(*)	9.8	9.9	(*)	25.4	24.9	(*)	5.9	6.0	(*)	20.6	20.3	(*)	15.2	15.2	41
(*)	88.3	86.9	(*)	390.9	372.1	(*)	91.8	90.0	(*)	315.3	313.7	(*)	317.5	312.7	42
53.1	51.9	(*)	188.2	190.5	(*)	57.3	58.3	(*)	156.7	157.6	(*)	119.4	114.2	(*)	43
7.8	7.6	(*)	34.6	34.9	(*)	8.4	8.1	(*)	29.5	30.4	(*)	23.6	22.4	(*)	44
7.0	7.1	(*)	32.8	33.4	(*)	7.3	7.3	(*)	31.5	31.4	(*)	33.5	31.6	(*)	45
42.6	42.3	42.1	130.3	133.5	129.5	22.2	21.9	21.9	97.3	101.4	99.3	132.4	131.2	128.2	46
9.7	9.4	9.4	26.8	26.9	26.5	5.0	5.1	5.1	20.3	21.0	20.9	22.6	20.3	20.4	47
9.9	10.0	10.0	23.9	24.9	24.4	3.8	3.6	3.6	15.1	15.6	15.7	19.0	19.1	18.5	48
2.5	2.4	2.4	12.7	13.2	12.9	2.1	2.1	2.0	10.0	9.8	9.8	9.6	9.8	9.7	49
3.8	3.6	3.6	15.4	15.5	15.0	2.8	2.8	2.8	13.7	14.1	14.1	9.3	9.6	9.6	50
90.0	90.4	87.4	428.4	440.8	419.2	93.8	96.4	95.9	368.9	378.9	375.1	324.3	321.7	316.6	51
4.4	4.4	4.4	24.8	25.3	24.8	5.4	5.7	5.6	20.6	21.5	21.1	16.2	16.8	16.3	52
2.5	2.7	2.6	12.7	13.1	12.4	1.6	1.7	1.6	10.0	10.0	9.8	10.5	11.0	9.9	53
5.9	5.9	5.9	19.7	20.1	19.2	2.4	2.0	2.5	15.2	15.7	15.5	10.5	10.4	10.4	54
7.1	7.3	7.2	10.8	11.0	10.6	1.0	1.4	1.4	8.0	9.0	8.9	6.9	7.2	7.0	55
1.1	1.3	1.3	7.8	8.3	7.9	1.1	1.0	1.0	7.8	7.8	7.6	5.9	5.9	5.9	56
2.3	2.2	2.2	12.2	12.2	11.6	1.1	1.1	1.1	10.6	11.3	11.4	7.1	8.0	7.8	57
6.4	6.5	6.2	34.9	38.7	35.6	12.8	13.5	13.5	31.1	33.3	33.2	58.0	54.2	54.0	58
33.9	34.0	33.0	143.4	143.5	138.4	39.4	40.8	41.1	144.9	147.4	145.3	86.9	83.2	82.6	59
2.3	2.4	2.4	12.4	13.2	12.7	2.1	2.2	2.2	11.2	11.1	11.1	8.9	8.7	8.5	60
17.3	18.0	18.0	46.2	49.6	46.9	7.4	7.4	7.5	29.4	30.3	29.7	44.9	42.7	42.1	61
2.8	2.8	2.8	10.8	11.1	10.9	1.7	1.8	1.8	5.6	5.8	5.7	5.6	6.5	6.4	62
4.6	4.5	4.1	7.2	7.3	7.0	1.6	1.6	1.5	4.9	5.5	5.3	8.9	8.9	9.9	63

**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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
1 PUERTO RICO	(*)	(*)	(*)	.9	.8	.8	35.2	28.1	25.6	(*)	(*)	(*)
2 Caguas	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
3 Mayaguez	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
4 Ponce	(*)	(*)	(*)	(*)	(*)	(*)	3.1	1.9	1.8	(*)	(*)	(*)
5 San Juan	(*)	(*)	(*)	(*)	(*)	(*)	23.9	20.6	18.6	(*)	(*)	(*)
6 VIRGIN ISLANDS	36.3	35.7	(*)	(3)	(3)	(*)	2.0	2.5	(*)	2.0	2.3	(*)

¹ States and areas revised to 1981 benchmark; not strictly comparable with previously published data.

² Combined with services.

³ Combined with construction.

⁴ Area included in Chicago-Gary Standard Consolidated Statistical Area.

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

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

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

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

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
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			
JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	
18.4	20.1	17.3	116.2	114.5	108.6	27.8	28.3	27.8	83.6	83.8	82.2	261.6	238.2	240.1	1
(*)	(*)	(*)	5.5	5.2	5.0	(*)	(*)	(*)	(*)	(*)	(*)	12.4	11.0	11.0	2
(*)	(*)	(*)	5.8	5.8	5.6	(*)	(*)	(*)	(*)	(*)	(*)	15.8	15.8	15.8	3
(*)	(*)	(*)	8.2	7.4	6.0	(*)	(*)	(*)	7.1	6.7	6.6	18.8	17.1	17.1	4
14.3	16.0	13.8	73.5	72.6	68.6	20.8	21.2	20.9	58.2	59.2	58.5	123.6	124.2	122.6	5
2.0	2.0	(*)	7.5	7.5	(*)	1.5	1.5	(*)	6.1	5.8	(*)	13.3	13.5	(*)	6

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
-	TOTAL PRIVATE	\$255.20	\$246.75	\$252.24	\$255.19	\$260.88	\$7.25	\$7.03	\$7.45	\$7.55	\$7.54
-	MINING	438.62	425.97	466.22	456.68	463.10	10.06	9.77	10.43	10.67	10.72
10	METAL MINING	468.59	444.04	483.60	476.14	-	11.57	10.91	12.09	12.24	-
101	Iron ores	485.18	428.65	459.46	463.39	-	12.16	11.37	12.87	12.98	-
102	Copper ores	492.54	488.75	518.93	488.27	-	11.84	11.50	12.21	12.33	-
11, 12	COAL MINING	482.36	456.85	528.63	507.57	-	11.89	11.17	12.38	12.41	-
12	BITUMINOUS COAL AND LIGNITE MINING	482.78	458.08	529.91	509.21	-	11.93	11.20	12.41	12.45	-
13	OIL AND GAS EXTRACTION	431.80	423.62	452.45	448.45	-	9.49	9.29	9.73	10.01	-
131, 2	Crude petroleum, natural gas, and natural gas liquids	450.78	439.74	465.93	490.75	-	10.81	10.52	11.12	11.52	-
138	Oil and gas field services	426.35	417.88	448.80	434.98	-	9.11	8.91	9.35	9.56	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	356.04	342.93	369.79	344.31	-	8.28	8.05	8.56	8.92	-
142	Crushed and broken stone	342.58	322.15	358.39	308.29	-	7.93	7.58	8.09	8.54	-
-	CONSTRUCTION	395.60	379.29	414.03	383.46	394.30	10.75	10.42	11.19	11.55	11.17
15	GENERAL BUILDING CONTRACTORS	349.20	337.84	364.90	336.48	-	9.70	9.49	10.08	10.29	-
152	Residential building construction	319.66	315.50	328.16	305.50	-	9.03	9.04	9.27	9.40	-
153	Operative builders	299.65	298.80	291.04	295.89	-	8.37	8.30	8.56	8.78	-
154	Nonresidential building construction	382.47	362.00	405.50	358.02	-	10.45	10.00	10.93	11.22	-
16	HEAVY CONSTRUCTION CONTRACTORS	413.66	382.31	438.07	393.33	-	10.29	9.63	10.79	11.57	-
161	Highway and street construction	380.70	337.95	370.54	323.41	-	9.40	8.47	9.31	9.86	-
162	Heavy construction, except highway	425.20	396.40	460.94	411.26	-	10.63	10.01	11.27	11.99	-
17	SPECIAL TRADE CONTRACTORS	412.13	399.08	427.93	401.83	-	11.48	11.21	11.92	12.14	-
171	Plumbing, heating, air conditioning	430.44	425.62	451.65	434.25	-	11.54	11.23	11.98	12.13	-
172	Painting, paper hanging, decorating	366.07	356.02	362.14	341.00	-	10.58	10.41	10.81	11.00	-
173	Electrical work	486.54	473.37	514.36	481.59	-	12.94	12.49	13.36	13.49	-
174	Masonry, stonework, and plastering	376.63	355.88	378.66	351.30	-	11.11	10.85	11.44	11.71	-
175	Carpentering and flooring	351.23	321.36	364.00	338.83	-	10.24	9.98	10.40	10.49	-
176	Roofing and sheet metal work	332.31	291.54	330.64	279.55	-	10.07	9.59	10.53	10.67	-
-	MANUFACTURING	317.60	308.43	329.57	312.01	324.82	7.98	7.73	8.26	8.41	8.35
24, 25, 32-39	DURABLE GOODS	342.50	332.49	355.92	335.53	349.77	8.52	8.23	8.81	8.90	8.90
20-23, 26-31	NONDURABLE GOODS	281.85	273.22	292.04	278.02	289.17	7.19	6.97	7.45	7.68	7.57
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	270.90	253.45	273.18	249.44	278.62	7.00	6.79	7.17	7.38	7.41
241	Logging camps and logging contractors	349.30	327.24	347.82	312.28	-	9.12	8.68	9.35	9.82	-
242	Sawmills and planing mills	283.81	280.59	281.18	252.73	-	7.24	7.05	7.38	7.75	-
2421	Sawmills and planing mills, general	298.70	296.46	296.42	279.62	-	7.62	7.43	7.78	8.20	-
2426	Hardwood dimension and flooring	198.97	195.72	202.15	172.98	-	5.05	4.93	5.21	5.29	-
243	Millwork, plywood, and structural members	263.73	260.63	267.02	250.58	-	6.85	6.70	6.99	7.18	-
2431	Millwork	268.35	256.70	280.14	269.75	-	6.97	6.72	7.22	7.35	-
2434	Wood kitchen cabinets	230.38	233.25	235.36	215.47	-	6.16	6.09	6.31	6.49	-
2435	Hardwood veneer and plywood	217.48	212.00	220.34	193.23	-	5.41	5.30	5.55	5.65	-
2436	Softwood veneer and plywood	323.33	326.36	313.22	300.67	-	8.42	8.20	8.42	8.64	-
244	Wood containers	207.59	196.51	216.01	189.50	-	5.42	5.34	5.64	5.76	-
245	Wood buildings and mobile homes	233.49	219.04	232.05	193.75	-	6.45	6.17	6.63	6.59	-
2451	Mobile homes	232.32	212.71	235.50	192.56	-	6.40	6.06	6.56	6.44	-
249	Miscellaneous wood products	236.80	227.93	248.88	220.93	-	5.92	5.67	6.13	6.19	-
25	FURNITURE AND FIXTURES	226.55	217.55	237.68	204.03	230.76	5.90	5.71	6.11	6.26	6.17
251	Household furniture	208.62	200.56	217.16	174.23	-	5.49	5.32	5.67	5.75	-
2511	Wood household furniture	195.58	187.94	203.45	158.77	-	5.08	4.92	5.23	5.31	-
2512	Upholstered household furniture	218.15	208.99	230.35	173.99	-	5.88	5.71	6.11	6.17	-
2514	Metal household furniture	222.32	210.27	231.66	210.54	-	5.73	5.49	5.94	6.05	-
2515	Mattresses and bedsprings	224.48	222.46	225.45	193.13	-	6.10	5.98	6.28	6.25	-
252	Office furniture	255.52	246.14	271.83	253.13	-	6.42	6.20	6.63	6.75	-
253	Public building and related furniture	263.60	246.54	294.24	269.51	-	6.59	6.21	7.09	7.13	-
254	Partitions and fixtures	273.02	268.03	284.31	267.86	-	7.11	6.98	7.29	7.42	-
259	Miscellaneous furniture and fixtures	261.07	244.48	273.24	256.21	-	6.66	6.40	6.90	7.08	-

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				
		Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
-	TOTAL PRIVATE	35.2	35.1	35.2	33.8	34.5	-	-	-	-	-
-	MINING	43.6	43.6	44.7	42.8	43.2	-	-	-	-	-
10	METAL MINING	40.5	40.7	40.0	38.9	-	-	-	-	-	
101	Iron ores	39.9	37.7	35.7	35.7	-	-	-	-	-	
102	Copper ores	41.6	42.5	42.5	39.6	-	-	-	-	-	
11, 12	COAL MINING	40.5	40.9	42.7	40.9	-	-	-	-	-	
12	BITUMINOUS COAL AND LIGNITE MINING	40.5	40.9	42.7	40.9	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	45.5	45.6	46.5	44.8	-	-	-	-	-	
131, 2	Crude petroleum, natural gas, and natural gas liquids	41.7	41.8	41.9	42.6	-	-	-	-	-	
138	Oil and gas field services	46.8	46.9	48.0	45.5	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	43.0	42.6	43.2	38.6	-	-	-	-	-	
142	Crushed and broken stone	43.2	42.5	44.3	36.1	-	-	-	-	-	
-	CONSTRUCTION	36.8	36.4	37.0	33.2	35.3	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	36.0	35.6	36.2	32.7	-	-	-	-	-	
152	Residential building construction	35.4	34.9	35.4	32.5	-	-	-	-	-	
153	Operative builders	35.8	36.0	34.0	33.7	-	-	-	-	-	
154	Nonresidential building construction	36.6	36.2	37.1	32.8	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	40.2	39.7	40.6	34.0	-	-	-	-	-	
161	Highway and street construction	40.5	39.9	39.8	32.8	-	-	-	-	-	
162	Heavy construction, except highway	40.0	39.6	40.9	34.3	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	35.9	35.6	35.9	33.1	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.3	37.9	37.7	35.8	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.6	34.2	33.5	31.0	-	-	-	-	-	
173	Electrical work	37.6	37.9	38.5	35.7	-	-	-	-	-	
174	Masonry, stonework, and plastering	33.9	32.8	33.1	30.0	-	-	-	-	-	
175	Carpentering and flooring	34.3	32.2	35.0	32.3	-	-	-	-	-	
176	Roofing and sheet metal work	33.0	30.4	31.4	26.2	-	-	-	-	-	
-	MANUFACTURING	39.8	39.9	39.9	37.1	38.9	2.8	2.9	2.6	2.2	2.3
24, 25, 32-39	DURABLE GOODS	40.2	40.4	40.4	37.7	39.3	2.8	2.9	2.6	2.1	2.2
20-23, 26-31	NONDURABLE GOODS	39.2	39.2	39.2	36.2	38.2	2.8	2.9	2.6	2.4	2.4
	DURABLE GOODS										
24	LUMBER AND WOOD PRODUCTS	38.7	38.8	38.1	33.8	37.6	2.6	2.7	2.1	1.7	-
241	Logging camps and logging contractors	38.3	37.7	37.2	31.8	-	3.6	3.6	2.8	2.3	-
242	Sawmills and planing mills	39.2	39.8	38.1	33.9	-	3.0	3.2	2.6	2.1	-
2421	Sawmills and planing mills, general	39.2	39.9	38.1	34.1	-	3.2	3.4	2.8	2.4	-
2426	Hardwood dimension and flooring	39.4	39.7	38.8	32.7	-	2.3	2.6	1.7	1.2	-
243	Millwork, plywood, and structural members	38.5	38.9	38.2	34.9	-	2.1	2.4	1.6	1.3	-
2431	Millwork	38.5	38.2	38.8	36.7	-	1.5	1.9	1.2	.8	-
2434	Wood kitchen cabinets	37.4	38.3	37.3	33.2	-	1.4	1.7	1.3	1.1	-
2435	Hardwood veneer and plywood	40.2	40.0	39.7	34.2	-	3.1	3.3	2.1	1.9	-
2436	Softwood veneer and plywood	38.4	39.8	37.2	34.8	-	2.9	3.5	2.0	2.0	-
244	Wood containers	38.3	36.8	38.3	32.9	-	2.1	1.7	1.8	1.5	-
245	Wood buildings and mobile homes	36.2	35.5	35.0	29.4	-	1.3	1.3	.7	.3	-
2451	Mobile homes	36.3	35.1	35.9	29.9	-	1.0	1.1	.8	.3	-
249	Miscellaneous wood products	40.0	40.2	40.6	35.7	-	2.7	2.7	2.3	1.9	-
25	FURNITURE AND FIXTURES	38.4	38.1	38.9	32.6	37.4	1.8	1.9	1.8	1.2	-
251	Household furniture	38.0	37.7	38.3	30.3	-	1.7	1.7	1.5	.8	-
2511	Wood household furniture	38.5	38.2	38.9	29.9	-	1.8	1.8	1.6	1.0	-
2512	Upholstered household furniture	37.1	36.6	37.7	28.2	-	1.2	1.1	1.4	.4	-
2514	Metal household furniture	38.8	38.3	39.0	34.8	-	2.5	3.0	1.7	1.3	-
2515	Mattresses and bedsprings	36.8	37.2	35.9	31.7	-	1.6	1.8	.9	.7	-
252	Office furniture	39.8	39.7	41.0	37.5	-	2.6	2.7	3.1	2.4	-
253	Public building and related furniture	40.0	39.7	41.5	37.8	-	2.5	3.1	3.5	2.1	-
254	Partitions and fixtures	38.4	38.4	39.0	36.1	-	2.1	2.0	2.0	1.6	-
259	Miscellaneous furniture and fixtures	39.2	38.2	39.6	37.6	-	1.5	1.0	1.6	1.6	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	\$335.76	\$317.16	\$343.26	\$324.51	\$337.26	\$8.27	\$7.87	\$8.56	\$8.70	\$8.67
321	Flat glass	448.45	431.53	468.83	459.82	-	10.78	10.25	11.27	11.08	-
322	Glass and glassware, pressed or blown	355.66	340.71	365.82	355.15	-	8.76	8.31	9.10	9.13	-
3221	Glass containers	377.61	366.24	383.13	372.01	-	9.21	8.72	9.46	9.49	-
3229	Pressed and blown glass, nec	326.41	306.48	343.54	331.78	-	8.14	7.72	8.61	8.64	-
323	Products of purchased glass	294.52	285.42	313.91	285.39	-	7.40	7.03	7.77	7.84	-
324	Cement, hydraulic	488.14	458.70	505.98	500.53	-	11.65	11.00	11.99	12.09	-
325	Structural clay products	271.35	254.38	278.20	267.85	-	6.75	6.44	6.99	7.22	-
326	Pottery and related products	270.57	264.77	276.14	257.18	-	6.92	6.72	7.21	7.30	-
327	Concrete, gypsum, and plaster products	335.38	306.53	336.84	296.84	-	8.18	7.78	8.40	8.53	-
3271	Concrete block and brick	311.96	289.04	312.53	273.24	-	7.41	7.19	7.66	7.92	-
3272	Concrete products, nec	300.56	281.07	311.40	273.35	-	7.26	6.94	7.54	7.81	-
3273	Ready-mixed concrete	359.68	321.90	356.13	312.74	-	9.06	8.63	9.25	9.42	-
329	Misc. nonmetallic mineral products	333.34	317.70	341.70	330.33	-	8.17	7.73	8.50	8.58	-
3291	Abrasive products	318.33	300.85	331.29	300.03	-	7.86	7.41	8.18	8.13	-
3292	Asbestos products	337.00	322.26	336.87	313.50	-	8.28	7.86	8.55	8.45	-
33	PRIMARY METAL INDUSTRIES	437.81	425.80	439.16	430.46	436.36	10.81	10.36	11.09	11.21	11.16
331	Blast furnace and basic steel products	508.18	484.38	502.96	505.66	-	12.61	11.96	13.03	13.10	-
3312	Blast furnaces and steel mills	525.71	499.72	518.37	524.57	-	13.11	12.40	13.57	13.59	-
3317	Steel pipe and tubes	418.78	408.94	425.14	413.17	-	10.14	9.76	10.42	10.54	-
332	Iron and steel foundries	355.78	361.97	358.94	341.07	-	9.03	8.85	9.18	9.37	-
3321	Gray iron foundries*	361.03	368.83	360.99	343.20	-	9.21	9.04	9.28	9.56	-
3322	Malleable iron foundries	372.10	376.94	369.61	353.43	-	9.64	9.40	9.83	9.90	-
3325	Steel foundries, nec	344.46	344.83	354.52	339.68	-	8.59	8.39	8.93	9.01	-
333	Primary nonferrous metals	499.15	472.76	513.77	514.08	-	11.97	11.31	12.44	12.60	-
3334	Primary aluminum	530.40	499.20	534.60	533.86	-	12.75	12.00	13.20	13.28	-
335	Nonferrous rolling and drawing	405.72	404.12	408.36	391.84	-	9.66	9.42	9.96	9.92	-
3351	Copper rolling and drawing	358.28	366.21	349.25	335.55	-	8.49	8.38	8.56	8.56	-
3353	Aluminum sheet, plate, and foil	521.52	501.56	524.07	523.43	-	12.30	11.53	12.94	12.86	-
3357	Nonferrous wire drawing and insulating	372.44	378.38	379.35	362.58	-	8.91	8.82	9.23	9.11	-
336	Nonferrous foundries	320.00	312.73	334.56	315.02	-	7.98	7.76	8.20	8.29	-
3361	Aluminum foundries	329.65	326.38	345.24	323.39	-	8.18	7.98	8.40	8.51	-
34	FABRICATED METAL PRODUCTS	330.46	318.76	344.61	323.19	336.65	8.20	7.89	8.53	8.55	8.61
341	Metal cans and shipping containers	473.06	449.36	504.83	481.37	-	10.85	10.33	11.37	11.38	-
3411	Metal cans	491.44	463.28	534.36	502.69	-	11.22	10.65	11.77	11.80	-
342	Cutlery, hand tools, and hardware	308.11	295.18	319.97	301.99	-	7.82	7.53	8.08	8.14	-
3423, 5	Hand and edge tools, and hand saws and blades	296.11	285.98	306.06	284.10	-	7.44	7.24	7.69	7.72	-
3429	Hardware, nec	321.01	310.44	330.46	315.24	-	8.21	7.96	8.43	8.52	-
343	Plumbing and heating, except electric	282.41	271.44	294.06	278.82	-	7.26	6.96	7.54	7.66	-
3432	Plumbing fittings and brass goods	274.13	271.89	280.52	259.48	-	6.94	6.73	7.23	7.33	-
3433	Heating equipment, except electric	277.59	261.44	299.65	288.41	-	7.21	6.88	7.51	7.65	-
344	Fabricated structural metal products	320.80	307.53	346.06	314.91	-	7.98	7.65	8.42	8.42	-
3441	Fabricated structural metal	341.55	328.68	364.91	321.77	-	8.29	7.92	8.73	8.72	-
3442	Metal doors, sash, and trim	251.16	240.95	265.90	242.47	-	6.44	6.21	6.74	6.83	-
3443	Fabricated plate work (boiler shops)	358.34	346.90	385.90	355.74	-	8.74	8.42	9.21	9.24	-
3444	Sheet metal work	318.75	302.25	342.10	319.88	-	8.09	7.75	8.51	8.53	-
3446	Architectural metal work	299.03	285.32	334.96	305.37	-	7.42	7.08	7.90	7.79	-
345	Screw machine products, bolts, etc.	311.08	302.33	320.80	304.84	-	7.70	7.41	7.98	7.98	-
3451	Screw machine products	284.17	268.60	295.54	286.03	-	7.14	6.80	7.37	7.41	-
3452	Bolts, nuts, rivets, and washers	338.66	335.54	347.04	324.42	-	8.24	7.97	8.59	8.56	-
346	Metal forgings and stampings	383.40	373.11	384.07	350.95	-	9.49	9.19	9.65	9.60	-
3462	Iron and steel forgings	404.21	393.60	422.50	405.18	-	10.08	9.84	10.33	10.31	-
3465	Automotive stampings	478.17	465.15	458.96	425.46	-	11.55	11.29	11.59	11.53	-
3469	Metal stampings, nec	288.62	279.90	300.23	285.72	-	7.27	6.98	7.62	7.66	-
347	Metal services, nec	262.51	257.86	267.92	260.13	-	6.53	6.32	6.80	6.90	-
3471	Plating and polishing	256.61	247.95	266.34	261.06	-	6.48	6.23	6.76	6.87	-
3479	Metal coating and allied services	275.98	279.07	272.16	259.65	-	6.65	6.49	6.89	6.98	-
348	Ordinance and accessories, nec	332.10	323.79	356.38	345.93	-	8.20	7.84	8.65	8.78	-
3483	Ammunition, exc. for small arms, nec	293.92	283.01	319.50	302.63	-	7.46	7.04	7.85	8.07	-
349	Misc. fabricated metal products	308.03	298.69	325.20	309.07	-	7.72	7.43	8.13	8.15	-
3494	Valves and pipe fittings	331.68	320.31	346.98	329.18	-	8.21	7.87	8.61	8.64	-
3496	Misc. fabricated wire products	267.18	261.88	275.80	254.83	-	6.73	6.58	7.00	7.10	-
35	MACHINERY, EXCEPT ELECTRICAL	361.15	351.44	381.80	353.11	373.30	8.83	8.53	9.20	9.21	9.24
351	Engines and turbines	438.18	419.58	460.81	437.70	-	10.90	10.36	11.35	11.31	-
3511	Turbines and turbine generator sets	406.81	408.20	433.89	420.55	-	10.02	9.86	10.43	10.54	-
3519	Internal combustion engines, nec	449.12	423.31	471.11	443.51	-	11.20	10.53	11.69	11.58	-
352	Farm and garden machinery	388.33	389.63	397.79	356.85	-	9.66	9.48	9.92	9.75	-
3523	Farm machinery and equipment	405.62	411.42	418.72	379.61	-	10.04	9.89	10.39	10.15	-
353	Construction and related machinery	399.51	381.47	426.38	401.00	-	9.65	9.17	10.08	10.05	-

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
32	STONE, CLAY, AND GLASS PRODUCTS	40.6	40.3	40.1	37.3	38.3	3.8	3.5	3.3	2.8	-
321	Flat glass	41.6	42.1	41.6	41.5	-	3.8	3.9	2.9	3.6	-
322	Glass and glassware, pressed or blown	40.6	41.0	40.2	38.9	-	4.1	3.8	4.2	3.8	-
3221	Glass containers	41.0	42.0	40.5	39.2	-	4.7	4.3	4.9	4.5	-
3229	Pressed and blown glass, nec	40.1	39.7	39.9	38.4	-	3.4	3.2	3.2	2.9	-
323	Products of purchased glass	39.8	40.6	40.4	36.4	-	3.0	3.0	2.8	2.2	-
324	Cement, hydraulic	41.9	41.7	42.2	41.4	-	3.1	3.2	2.5	2.8	-
325	Structural clay products	40.2	39.5	39.8	37.1	-	2.9	2.7	2.6	2.5	-
326	Pottery and related products	39.1	39.4	38.3	36.6	-	2.0	2.3	1.9	1.5	-
327	Concrete, gypsum, and plaster products	41.0	39.4	40.1	34.8	-	4.8	4.1	4.1	2.8	-
3271	Concrete block and brick	42.1	40.2	40.8	34.5	-	4.6	3.8	3.7	2.2	-
3272	Concrete products, nec	41.4	40.5	41.3	35.0	-	4.4	3.8	4.1	3.1	-
3273	Ready-mixed concrete	39.7	37.3	38.5	33.2	-	4.8	3.6	4.0	2.4	-
329	Misc. nonmetallic mineral products	40.8	41.1	40.2	38.5	-	3.3	3.4	2.6	2.3	-
3291	Abrasive products	40.5	40.6	40.5	36.9	-	2.8	2.9	2.5	1.4	-
3292	Asbestos products	40.7	41.0	39.4	37.1	-	2.8	3.1	2.2	1.6	-
33	PRIMARY METAL INDUSTRIES	40.5	41.1	39.6	38.4	39.1	3.0	3.3	2.3	2.2	-
331	Blast furnace and basic steel products	40.3	40.5	38.6	38.6	-	2.7	2.7	1.6	2.0	-
3312	Blast furnaces and steel mills	40.1	40.3	38.2	38.6	-	2.6	2.6	1.6	2.1	-
3317	Steel pipe and tubes	41.3	41.9	40.8	39.2	-	3.5	3.8	2.4	2.2	-
332	Iron and steel foundries	39.4	40.9	39.1	36.4	-	2.8	3.3	2.4	2.1	-
3321	Gray iron foundries	39.2	40.8	38.9	35.9	-	2.9	3.3	2.4	2.1	-
3322	Malleable iron foundries	38.6	40.1	37.6	35.7	-	2.5	3.1	1.6	1.5	-
3325	Steel foundries, nec	40.1	41.1	39.7	37.7	-	2.8	3.4	2.8	2.4	-
333	Primary nonferrous metals	41.7	41.8	41.3	40.8	-	3.4	3.6	2.8	2.7	-
3334	Primary aluminum	41.6	41.6	40.5	40.2	-	3.7	3.6	2.9	2.9	-
335	Nonferrous rolling and drawing	42.3	42.9	41.0	39.5	-	4.3	5.0	3.3	2.7	-
3351	Copper rolling and drawing	42.2	43.7	40.8	39.2	-	4.6	5.0	3.2	2.5	-
3353	Aluminum sheet, plate and foil	42.4	43.5	40.5	40.7	-	5.3	6.2	3.7	3.2	-
3357	Nonferrous wire drawing and insulating	41.8	42.9	41.1	39.8	-	4.4	5.1	3.6	3.3	-
336	Nonferrous foundries	40.1	40.3	40.8	38.0	-	2.5	2.7	2.4	1.9	-
3361	Aluminum foundries	40.3	40.9	41.1	38.3	-	2.8	3.3	2.7	2.2	-
34	FABRICATED METAL PRODUCTS	40.3	40.4	40.4	37.8	39.1	2.7	2.8	2.5	2.0	-
341	Metal cans and shipping containers	43.6	43.5	44.4	42.3	-	4.5	4.8	3.9	4.2	-
3411	Metal cans	43.8	43.5	45.4	42.6	-	4.5	4.7	4.0	4.3	-
342	Cutlery, hand tools, and hardware	39.4	39.2	39.6	37.1	-	2.1	2.1	1.8	1.2	-
3423, 5	Hand and edge tools, and hand saws and blades	39.8	39.5	39.8	36.8	-	2.2	2.1	1.9	1.5	-
3429	Hardware, nec	39.1	39.0	39.2	37.0	-	2.1	2.1	1.5	1.0	-
343	Plumbing and heating, except electric	38.9	39.0	39.0	36.4	-	1.7	1.9	1.5	1.2	-
3432	Plumbing fittings and brass goods	39.5	40.4	38.8	35.4	-	1.9	2.0	1.1	1.0	-
3433	Heating equipment, except electric	38.5	38.0	39.9	37.7	-	1.5	1.7	2.1	1.4	-
344	Fabricated structural metal products	40.2	40.2	41.1	37.4	-	2.7	2.8	2.9	2.0	-
3441	Fabricated structural metal	41.2	41.5	41.8	36.9	-	3.1	3.3	3.3	2.1	-
3442	Metal doors, sash, and trim	39.0	38.8	39.6	35.5	-	2.1	2.1	2.1	1.4	-
3443	Fabricated plate work (boiler shops)	41.0	41.2	41.9	38.5	-	3.1	3.2	3.6	2.5	-
3444	Sheet metal work	39.4	39.0	40.2	37.5	-	2.4	2.3	2.5	1.8	-
3446	Architectural metal work	40.3	40.3	42.4	39.2	-	2.1	2.6	2.3	2.6	-
345	Screw machine products, bolts, etc.	40.4	40.8	40.2	38.2	-	2.8	3.1	2.2	1.6	-
3451	Screw machine products	39.8	39.5	40.1	38.6	-	2.6	2.7	2.3	2.1	-
3452	Bolts, nuts, rivets, and washers	41.1	42.1	40.4	37.9	-	3.0	3.5	2.1	1.0	-
346	Metal forgings and stampings	40.4	40.6	39.8	37.6	-	3.1	3.1	2.1	1.7	-
3462	Iron and steel forgings	40.1	40.0	40.9	39.3	-	3.0	3.2	2.9	2.4	-
3465	Automotive stampings	41.4	41.2	39.6	36.9	-	3.9	3.6	1.5	1.2	-
3469	Metal stampings, nec	39.7	40.1	39.4	37.3	-	2.4	2.4	2.3	1.8	-
347	Metal services, nec	40.2	40.8	39.4	37.7	-	2.6	2.4	2.5	2.0	-
3471	Plating and polishing	39.6	39.8	39.4	38.3	-	2.8	3.0	2.6	2.2	-
3479	Metal coating and allied services	41.5	43.0	39.5	37.2	-	2.2	1.2	2.4	1.7	-
348	Ordnance and accessories, nec	40.5	41.3	41.2	39.4	-	2.7	3.1	2.7	2.7	-
3483	Ammunition, exc. for small arms, nec	39.4	40.2	40.7	37.5	-	2.0	2.4	1.9	2.3	-
349	Misc. fabricated metal products	39.9	40.2	40.0	37.8	-	2.6	2.6	2.6	2.1	-
3494	Valves and pipe fittings	40.4	40.7	40.3	38.1	-	3.0	2.9	2.9	2.4	-
3496	Misc. fabricated wire products	39.7	39.8	39.4	37.3	-	2.4	2.3	2.0	1.7	-
35	MACHINERY, EXCEPT ELECTRICAL	40.9	41.2	41.5	39.1	40.4	3.2	3.4	3.3	2.6	-
351	Engines and turbines	40.2	40.5	40.6	38.7	-	2.8	2.7	2.4	1.7	-
3511	Turbines and turbine generator sets	40.6	41.4	41.6	39.9	-	3.4	3.6	3.7	2.4	-
3519	Internal combustion engines, nec	40.1	40.2	40.3	38.3	-	2.6	2.4	1.9	1.5	-
352	Farm and garden machinery	40.2	41.1	40.1	36.6	-	3.1	3.9	2.4	1.7	-
3523	Farm machinery and equipment	40.4	41.6	40.3	37.4	-	3.4	4.3	2.5	1.8	-
353	Construction and related machinery	41.4	41.6	42.3	39.9	-	3.4	3.3	3.8	3.1	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	\$432.52	\$403.13	\$450.80	\$427.50	-	\$10.84	\$10.18	\$11.27	\$11.25	-
3532	Mining machinery	383.60	375.16	411.46	399.56	-	9.59	9.04	10.21	10.09	-
3533	Oil field machinery	414.95	398.05	452.95	427.15	-	9.16	8.71	9.72	9.73	-
3535	Conveyers and conveying equipment	330.79	319.80	355.63	333.80	-	8.46	8.20	8.59	8.67	-
3537	Industrial trucks and tractors	323.79	317.07	354.02	318.76	-	8.41	8.13	8.94	9.03	-
354	Metalworking machinery	373.15	368.46	393.86	379.89	-	8.97	8.69	9.40	9.45	-
3541	Machine tools, metal cutting types	386.13	387.19	413.05	396.58	-	9.15	8.84	9.74	9.72	-
3542	Machine tools, metal forming types	364.31	351.75	382.98	370.88	-	9.27	8.75	9.82	9.89	-
3544	Special dies, tools, jigs, and fixtures	404.18	403.62	427.12	410.94	-	9.51	9.30	9.91	9.95	-
3545	Machine tool accessories	334.56	325.07	345.14	332.73	-	8.18	7.89	8.48	8.62	-
3546	Power driven hand tools	284.47	266.66	320.74	298.38	-	7.22	6.82	7.71	7.71	-
355	Special industry machinery	337.02	327.89	365.43	336.77	-	8.22	7.92	8.68	8.77	-
3561	Food products machinery	349.46	343.10	379.89	353.45	-	8.65	8.43	9.11	9.15	-
3562	Textile machinery	265.72	258.56	274.62	222.13	-	6.61	6.40	6.90	6.92	-
3565	Printing trades machinery	359.97	353.81	391.09	364.84	-	8.45	8.19	8.97	9.19	-
356	General industrial machinery	355.31	346.01	376.74	355.16	-	8.73	8.46	9.10	9.13	-
3561	Pumps and pumping equipment	354.31	348.75	384.40	358.59	-	8.88	8.59	9.33	9.29	-
3562	Ball and roller bearings	361.57	354.48	374.31	349.44	-	8.65	8.40	8.87	8.78	-
3563	Air and gas compressors	390.35	372.73	422.26	391.02	-	9.25	8.77	9.82	10.00	-
3564	Blowers and fans	319.60	309.94	341.53	331.96	-	7.97	7.71	8.33	8.60	-
3568	Speed changers, drives, and gears	395.52	381.89	400.66	381.43	-	9.60	9.18	9.82	9.83	-
3568	Power transmission equipment, nec	340.70	332.00	358.48	344.27	-	8.33	8.30	8.68	8.76	-
357	Office and computing machines	307.02	292.94	327.89	314.31	-	7.47	7.18	7.77	7.78	-
3573	Electronic computing equipment	307.60	289.27	331.27	318.49	-	7.43	7.09	7.74	7.73	-
358	Refrigeration and service machinery	324.01	310.78	347.75	316.46	-	8.06	7.75	8.42	8.53	-
3585	Refrigeration and heating equipment	330.42	318.38	347.44	322.59	-	8.24	7.92	8.60	8.79	-
359	Misc. machinery, except electrical	345.91	338.60	355.19	341.72	-	8.52	8.34	8.77	8.83	-
3592	Carburetors, pistons, rings, valves	406.22	424.97	414.16	377.41	-	10.08	10.34	10.38	10.34	-
3599	Machinery, except electrical, nec	335.36	324.00	346.72	335.79	-	8.26	8.00	8.54	8.61	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	305.24	297.14	319.58	304.80	\$316.38	7.65	7.41	7.93	8.00	\$8.03
361	Electric distributing equipment	300.13	291.00	312.00	294.34	-	7.56	7.33	7.80	7.87	-
3612	Transformers	298.49	288.15	310.59	284.13	-	7.37	7.15	7.65	7.70	-
3613	Switchgear and switchboard apparatus	302.23	292.43	312.84	301.63	-	7.71	7.46	7.92	8.00	-
362	Electrical industrial apparatus	317.90	309.89	330.08	312.86	-	7.83	7.54	8.13	8.19	-
3621	Motors and generators	317.87	318.72	328.43	315.41	-	7.81	7.68	8.03	8.15	-
3622	Industrial controls	307.63	291.28	331.71	297.85	-	7.71	7.21	8.15	8.05	-
363	Household appliances	296.03	292.08	287.27	283.32	-	7.61	7.47	7.54	7.87	-
3632	Household refrigerators and freezers	348.00	343.07	348.81	346.18	-	8.81	8.45	9.06	9.11	-
3633	Household laundry equipment	344.42	345.93	345.40	327.32	-	9.04	8.87	9.26	9.46	-
3634	Electric housewares and fans	233.53	231.27	231.51	216.43	-	6.05	6.07	6.19	6.48	-
364	Electric lighting and wiring equipment	281.47	273.71	293.33	287.62	-	7.09	6.86	7.37	7.49	-
3641	Electric lamps	321.99	308.83	339.47	342.55	-	7.97	7.74	8.30	8.50	-
3643	Current-carrying wiring devices	269.87	260.18	283.91	275.28	-	6.73	6.44	7.08	7.15	-
3644	Noncurrent-carrying wiring devices	294.52	290.34	301.55	277.14	-	7.29	7.03	7.52	7.47	-
3645	Residential lighting fixtures	213.56	207.69	217.33	217.26	-	5.62	5.48	5.78	5.92	-
365	Radio and TV receiving equipment	283.87	267.96	304.44	284.25	-	7.26	6.96	7.63	7.58	-
3651	Radio and TV receiving sets	291.75	277.59	311.65	291.98	-	7.50	7.21	7.87	7.87	-
366	Communication equipment	356.87	341.47	386.14	359.58	-	8.79	8.39	9.26	9.22	-
3661	Telephone and telegraph apparatus	373.83	358.63	398.26	350.92	-	9.14	8.79	9.69	9.51	-
3662	Radio and TV communication equipment	346.63	330.08	379.32	354.61	-	8.56	8.11	9.01	9.07	-
367	Electronic components and accessories	263.87	256.16	277.67	270.59	-	6.63	6.42	6.89	7.01	-
3671-3	Electronic tubes	335.76	334.36	356.34	343.33	-	8.27	7.98	8.67	8.67	-
3674	Semiconductors and related devices	302.30	292.90	317.97	313.61	-	7.52	7.25	7.89	7.98	-
3679	Electronic components, nec	246.76	236.81	262.34	254.92	-	6.20	5.98	6.43	6.57	-
369	Misc. electrical equipment and supplies	351.75	351.14	354.89	334.36	-	8.75	8.67	8.85	8.94	-
3691	Storage batteries	346.12	350.02	358.57	343.30	-	8.61	8.60	8.81	8.94	-
3694	Engine electrical equipment	384.34	389.61	373.81	352.95	-	9.73	9.62	9.76	9.75	-
37	TRANSPORTATION EQUIPMENT	421.68	407.36	442.57	411.57	427.73	10.31	9.96	10.69	10.69	10.72
371	Motor vehicles and equipment	447.04	430.77	454.51	421.80	-	10.93	10.61	11.14	11.10	-
3711	Motor vehicles and car bodies	503.48	469.64	512.73	485.35	-	12.28	11.80	12.66	12.60	-
3713	Truck and bus bodies	352.48	345.14	376.24	370.27	-	8.79	8.65	9.11	9.28	-
3714	Motor vehicle parts and accessories	426.01	422.42	430.91	396.90	-	10.34	10.13	10.51	10.50	-
3715	Truck trailers	282.00	258.48	319.02	274.53	-	7.48	7.18	7.80	7.69	-
372	Aircraft and parts	425.80	413.40	464.95	440.88	-	10.31	9.89	10.94	10.94	-
3721	Aircraft	443.56	429.73	480.53	458.05	-	10.74	10.33	11.36	11.48	-
3724	Aircraft engines and engine parts	421.61	412.17	460.37	439.79	-	10.41	9.98	11.04	10.94	-
3728	Aircraft equipment, nec	396.02	379.14	437.44	408.20	-	9.34	8.90	10.01	9.86	-
373	Ship and boat building and repairing	363.86	350.92	389.69	335.58	-	8.94	8.58	9.39	9.40	-
3731	Shipbuilding and repairing	381.77	368.26	408.62	347.90	-	9.38	8.96	9.87	9.94	-
3732	Boat building and repairing	301.32	285.73	324.43	293.36	-	7.44	7.09	7.78	7.72	-
374	Railroad equipment	415.22	398.24	424.60	410.30	-	10.87	10.48	11.00	11.00	-

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				
		Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Av ¹ . 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	MACHINERY, EXCEPT ELECTRICAL—Continued										
3531	Construction machinery	39.9	39.6	40.0	38.0	-	1.8	1.8	2.0	1.3	-
3532	Mining machinery	40.0	41.5	40.3	39.6	-	2.2	2.5	2.3	2.1	-
3533	Oil field machinery	45.3	45.7	46.6	43.9	-	6.2	6.2	6.4	6.0	-
3535	Conveyers and conveying equipment	39.1	39.0	41.4	38.5	-	2.9	2.8	3.6	2.8	-
3537	Industrial trucks and tractors	38.5	39.0	39.6	35.3	-	2.3	2.3	2.4	1.5	-
354	Metalworking machinery	41.6	42.4	41.9	40.2	-	4.1	4.7	4.0	3.3	-
3541	Machine tools, metal cutting types	42.2	43.8	42.1	40.8	-	4.5	5.3	4.3	3.3	-
3542	Machine tools, metal forming types	39.3	40.2	39.0	37.5	-	2.8	3.3	3.0	2.3	-
3544	Special dies, tools, jigs, and fixtures	42.5	43.4	43.1	41.3	-	5.0	5.6	4.9	4.3	-
3545	Machine tool accessories	40.9	41.2	40.7	38.6	-	3.3	3.6	2.9	2.1	-
3546	Power driven hand tools	39.4	39.1	41.6	38.7	-	2.0	2.2	2.3	2.0	-
355	Special industry machinery	41.0	41.4	42.1	38.4	-	2.9	3.1	3.4	2.4	-
3551	Food products machinery	40.4	40.7	41.7	38.3	-	2.3	2.4	3.2	2.4	-
3552	Textile machinery	40.2	40.4	39.8	32.1	-	2.0	2.1	1.9	1.0	-
3555	Printing trades machinery	42.6	43.2	43.6	39.7	-	4.0	4.7	4.8	2.8	-
356	General industrial machinery	40.7	40.9	41.4	38.9	-	3.0	3.2	3.2	2.4	-
3561	Pumps and pumping equipment	39.9	40.6	41.2	38.6	-	2.8	2.6	3.5	2.4	-
3562	Ball and roller bearings	41.8	42.2	42.2	39.8	-	3.6	4.4	3.7	2.9	-
3563	Air and gas compressors	42.2	42.5	43.0	39.1	-	3.7	4.3	4.3	2.9	-
3564	Blowers and fans	40.1	40.2	41.0	38.6	-	3.0	3.3	3.0	2.6	-
3566	Speed changers, drives, and gears	41.2	41.6	40.8	38.8	-	3.4	3.0	2.9	1.8	-
3568	Power transmission equipment, nec	40.9	40.0	41.3	39.3	-	3.0	3.0	2.6	2.1	-
357	Office and computing machines	41.1	40.8	42.2	40.4	-	2.7	2.4	3.2	2.6	-
3573	Electronic computing equipment	41.4	40.8	42.8	41.2	-	2.9	2.5	3.6	3.0	-
358	Refrigeration and service machinery	40.2	40.1	41.3	37.1	-	2.3	2.5	2.0	1.3	-
3585	Refrigeration and heating equipment	40.1	40.2	40.4	36.7	-	2.2	2.4	1.8	1.3	-
359	Misc. machinery, except electrical	40.6	40.6	40.5	38.7	-	3.5	3.7	3.4	2.9	-
3592	Carburetors, pistons, rings, valves	40.3	41.1	39.9	36.5	-	2.5	3.4	1.8	1.0	-
3599	Machinery, except electrical, nec	40.6	40.5	40.6	39.0	-	3.7	3.7	3.7	3.2	-
36	ELECTRIC AND ELECTRONIC EQUIPMENT	39.9	40.1	40.3	38.1	39.4	2.2	2.3	2.3	1.7	-
361	Electric distributing equipment	39.7	39.7	40.0	37.4	-	2.5	2.2	2.4	2.1	-
3612	Transformers	40.5	40.3	40.6	36.9	-	2.6	2.3	2.9	2.3	-
3613	Switchgear and switchboard apparatus	39.2	39.2	39.5	37.7	-	2.4	2.1	2.0	2.0	-
362	Electrical industrial apparatus	40.6	41.1	40.6	38.2	-	2.7	2.6	2.4	1.6	-
3621	Motors and generators	40.7	41.5	40.9	38.7	-	2.7	2.8	2.4	1.8	-
3622	Industrial controls	39.9	40.4	40.7	37.0	-	2.3	1.8	2.7	1.0	-
363	Household appliances	38.9	39.1	38.1	36.0	-	1.7	1.7	1.3	1.2	-
3632	Household refrigerators and freezers	39.5	40.6	38.5	38.0	-	1.6	1.2	.5	.5	-
3633	Household laundry equipment	38.1	39.0	37.3	34.6	-	1.0	.9	.5	.5	-
3634	Electric housewares and fans	38.6	38.1	37.4	33.4	-	1.6	1.2	1.4	.7	-
364	Electric lighting and wiring equipment	39.7	39.9	39.8	38.4	-	2.2	2.4	2.0	1.7	-
3641	Electric lamps	40.4	39.9	40.9	40.3	-	1.9	1.9	2.1	2.0	-
3643	Current-carrying wiring devices	40.1	40.4	40.1	38.5	-	2.6	2.7	2.3	1.9	-
3644	Noncurrent-carrying wiring devices	40.4	41.3	40.1	37.1	-	2.5	2.8	1.8	1.3	-
3645	Residential lighting fixtures	38.0	37.9	37.6	36.7	-	1.4	1.2	1.3	1.1	-
365	Radio and TV receiving equipment	39.1	38.5	39.9	37.5	-	1.5	1.2	1.3	.5	-
3651	Radio and TV receiving sets	38.9	38.5	39.6	37.1	-	1.5	1.5	1.5	.7	-
366	Communication equipment	40.6	40.7	41.7	39.0	-	2.3	2.3	2.8	1.9	-
3661	Telephone and telegraph apparatus	40.9	40.8	41.1	36.9	-	2.4	2.3	2.9	1.5	-
3662	Radio and TV communication equipment	40.5	40.7	42.1	40.2	-	2.2	2.3	2.8	2.2	-
367	Electronic components and accessories	39.8	39.9	40.3	38.6	-	2.3	2.4	2.4	2.1	-
3671-3	Electronic tubes	40.6	41.9	41.1	39.6	-	2.0	2.4	2.1	1.7	-
3674	Semiconductors and related devices	40.2	40.4	40.3	39.3	-	2.4	2.7	2.4	2.4	-
3679	Electronic components, nec	39.8	39.6	40.8	38.8	-	2.4	2.4	2.7	2.1	-
389	Misc. electrical equipment and supplies	40.2	40.5	40.1	37.4	-	2.2	2.8	2.0	1.7	-
3891	Storage batteries	40.2	40.7	40.7	38.4	-	2.2	3.1	1.9	2.2	-
3694	Engine electrical equipment	39.5	40.5	38.3	36.2	-	2.0	2.8	1.5	1.3	-
37	TRANSPORTATION EQUIPMENT	40.9	40.9	41.4	38.5	39.9	3.2	3.2	2.8	2.2	-
371	Motor vehicles and equipment	40.9	40.6	40.8	38.0	-	3.0	2.8	1.8	1.5	-
3711	Motor vehicles and car bodies	41.0	39.8	40.5	38.6	-	3.0	2.4	1.5	1.3	-
3713	Truck and bus bodies	40.1	39.9	41.3	39.9	-	2.6	3.1	1.9	2.8	-
3714	Motor vehicle parts and accessories	41.2	41.7	41.0	37.8	-	3.1	3.3	2.1	1.5	-
3715	Truck trailers	37.7	36.0	40.9	35.7	-	1.5	.8	2.4	.7	-
372	Aircraft and parts	41.3	41.8	42.5	40.3	-	3.5	3.7	4.1	3.1	-
3721	Aircraft	41.3	41.6	42.3	39.9	-	3.1	3.2	3.4	3.0	-
3724	Aircraft engines and engine parts	40.5	41.3	41.7	40.2	-	3.5	4.0	4.4	3.0	-
3728	Aircraft equipment, nec	42.4	42.6	43.7	41.4	-	4.4	4.5	5.2	3.6	-
373	Ship and boat building and repairing	40.7	40.9	41.5	35.7	-	3.6	3.9	3.1	2.1	-
3731	Ship building and repairing	40.7	41.1	41.4	35.0	-	3.6	4.1	3.1	2.1	-
3732	Boat building and repairing	40.5	40.3	41.7	38.0	-	3.5	3.2	3.2	2.1	-
374	Railroad equipment	38.2	38.0	38.6	37.3	-	2.1	1.1	2.1	1.2	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	\$411.26	\$400.41	\$448.80	\$427.73	-	\$10.08	\$9.79	\$10.61	\$10.64	-
3761	Guided missiles and space vehicles	419.80	404.78	463.01	438.98	-	10.34	9.97	10.92	10.92	-
379	Miscellaneous transportation equipment	303.96	283.29	359.11	325.78	-	7.58	7.10	8.41	8.44	-
3792	Travel trailers and campers	258.23	236.36	274.90	260.61	-	6.76	6.22	7.37	7.30	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	300.58	291.91	318.68	305.69	\$318.00	7.44	7.19	7.83	7.94	\$7.99
381	Measuring and controlling devices	318.61	305.25	344.38	325.84	-	7.79	7.50	8.18	8.27	-
382	Environmental controls	297.68	288.05	307.49	292.61	-	7.35	7.06	7.63	7.68	-
3822	Process control instruments	269.30	260.25	286.24	276.01	-	6.87	6.49	7.21	7.38	-
3823	Instruments to measure electricity	314.81	302.32	343.39	310.87	-	7.39	7.08	7.84	7.87	-
3825	Optical instruments and lenses	307.53	300.92	303.80	294.05	-	7.65	7.43	7.85	7.84	-
383	Medical instruments and supplies	320.40	320.28	347.34	339.90	-	7.99	7.85	8.27	8.27	-
384	Surgical and medical instruments	254.87	245.39	272.83	256.68	-	6.42	6.15	6.77	6.90	-
3841	Surgical appliances and supplies	255.33	241.38	277.16	256.70	-	6.32	5.96	6.76	7.00	-
3842	Ophthalmic goods	255.98	249.64	269.28	245.92	-	6.53	6.32	6.80	6.85	-
385	Photographic equipment and supplies	223.69	217.95	228.93	231.66	-	5.62	5.49	5.84	5.94	-
386	Watches, clocks, and watchcases	406.29	402.90	441.84	432.48	-	9.79	9.57	10.52	10.60	-
387	Watches, clocks, and watchcases	223.29	217.32	229.70	216.39	-	5.74	5.63	5.92	6.13	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	232.62	224.65	242.42	230.05	241.17	5.98	5.82	6.20	6.32	6.33
391	Jewelry, precious metal	246.40	229.02	261.46	236.58	-	6.40	6.14	6.67	6.59	-
3911	Musical instruments	245.97	226.81	265.38	238.88	-	6.49	6.18	6.77	6.71	-
393	Toys and sporting goods	225.02	212.77	238.62	208.88	-	5.86	5.57	6.15	6.18	-
394	Dolls, games, toys, and children's vehicles	217.01	208.44	224.83	218.22	-	5.55	5.40	5.75	5.93	-
3942.4	Sporting and athletic goods, nec	203.52	196.18	200.26	206.64	-	5.30	5.19	5.27	5.63	-
3949	Pens, pencils, office and art supplies	231.42	218.34	245.39	226.81	-	5.80	5.57	6.15	6.18	-
395	Costume jewelry and notions	244.00	236.01	259.53	248.57	-	6.10	5.93	6.33	6.49	-
396	Costume jewelry	198.79	193.92	204.22	196.20	-	5.15	5.05	5.36	5.45	-
3961	Miscellaneous manufactures	181.34	178.40	179.71	181.86	-	4.81	4.77	4.91	5.01	-
399	Signs and advertising displays	250.39	246.48	259.35	245.75	-	6.47	6.32	6.65	6.77	-
3993	Signs and advertising displays	267.83	260.74	278.46	259.92	-	6.92	6.72	7.14	7.18	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	295.77	288.40	310.68	302.63	300.70	7.45	7.21	7.69	7.82	7.73
201	Meat packing plants	295.07	295.40	308.37	302.21	-	7.47	7.33	7.69	7.87	-
2011	Sausages and other prepared meats	371.77	381.47	385.40	387.32	-	8.98	8.81	9.22	9.20	-
2013	Poultry dressing plants	344.92	335.41	366.06	355.78	-	8.71	8.47	8.95	9.03	-
2016	Dairy products	179.19	172.42	190.51	169.98	-	4.83	4.66	5.04	5.12	-
202	Cheese, natural and processed	309.41	293.13	321.26	318.35	-	7.51	7.22	7.76	7.88	-
2022	Fluid milk	283.22	267.50	290.14	285.70	-	7.17	6.93	7.29	7.44	-
2026	Preserved fruits and vegetables	323.95	308.84	335.65	336.17	-	7.75	7.46	8.03	8.12	-
203	Canned specialties	254.14	249.60	268.25	250.14	-	6.55	6.24	6.74	6.81	-
2032	Frozen fruits and vegetables	301.17	287.12	337.34	301.50	-	7.31	7.16	7.53	7.50	-
2033	Grain mill products	260.74	250.83	267.53	257.33	-	6.72	6.35	6.79	7.05	-
2037	Flour and other grain mill products	234.70	246.79	242.69	251.54	-	6.16	5.89	6.32	6.32	-
204	Prepared feeds, nec	349.78	338.67	372.78	363.32	-	8.23	7.95	8.55	8.63	-
2041	Bakery products	371.25	356.80	386.06	380.58	-	8.25	8.00	8.56	8.63	-
2048	Bread, cake, and related products	285.24	282.94	301.71	293.85	-	6.68	6.58	6.92	7.03	-
205	Cookies and crackers	301.44	288.80	312.58	296.74	-	7.85	7.58	8.14	8.22	-
2051	Sugar and confectionery products	301.34	281.20	314.77	305.16	-	7.93	7.60	8.24	8.27	-
2052	Cane and beet sugar	301.36	311.33	306.94	273.36	-	7.61	7.52	7.85	8.04	-
2061-3	Confectionery products	288.64	276.06	293.87	288.62	-	7.18	6.85	7.15	7.27	-
2065	Fats and oils	356.83	336.49	352.72	342.71	-	8.26	7.70	7.98	7.97	-
207	Beverages	246.65	235.01	249.95	247.69	-	6.39	6.12	6.36	6.57	-
207	Fats and oils	333.33	320.54	346.32	341.85	-	7.77	7.42	7.80	7.95	-
208	Malt beverages	361.26	333.83	387.09	359.26	-	8.92	8.43	9.35	9.42	-
2082	Bottled and canned soft drinks	511.41	462.99	554.55	541.43	-	12.09	11.32	12.69	12.83	-
2086	Misc. foods and kindred products	266.39	247.02	279.00	250.73	-	6.71	6.35	7.01	6.99	-
209	Misc. foods and kindred products	247.00	240.33	258.34	251.08	-	6.50	6.35	6.71	6.86	-
21	TOBACCO MANUFACTURES	342.22	328.10	339.09	329.59	359.64	8.82	8.50	8.90	9.13	9.39
211	Cigarettes	419.33	403.75	410.30	400.73	-	10.67	10.17	11.00	11.07	-
22	TEXTILE MILL PRODUCTS	219.14	213.47	223.79	179.14	216.75	5.52	5.35	5.72	5.76	5.78
221	Weaving mills, cotton	228.57	220.70	233.05	163.46	-	5.70	5.49	5.93	5.88	-
222	Weaving mills, synthetics	238.96	230.74	237.98	190.60	-	5.80	5.56	6.04	6.07	-
223	Weaving and finishing mills, wool	233.45	225.35	238.32	240.35	-	5.68	5.43	5.87	5.92	-
224	Narrow fabric mills	201.10	197.07	210.01	194.39	-	5.04	4.89	5.29	5.34	-
225	Knitting mills	194.29	190.51	193.94	163.79	-	5.14	5.04	5.27	5.37	-

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TRANSPORTATION EQUIPMENT—Continued											
376	Guided missiles, space vehicles, parts	40.8	40.9	42.3	40.2	-	3.2	3.5	3.5	2.8	-
3761	Guided missiles and space vehicles	40.6	40.6	42.4	40.2	-	2.9	2.9	3.2	2.6	-
379	Miscellaneous transportation equipment	40.1	39.9	42.7	38.6	-	2.2	2.1	3.0	3.3	-
3792	Travel trailers and campers	38.2	38.0	37.3	35.7	-	1.7	1.8	1.4	-2.4	-
INSTRUMENTS AND RELATED PRODUCTS											
38	Engineering and scientific instruments	40.4	40.6	40.7	38.5	39.8	2.2	2.4	2.3	1.8	-
381	Measuring and controlling devices	40.9	40.7	42.1	39.4	-	2.9	2.9	3.1	2.3	-
382	Environmental controls	40.5	40.8	40.3	38.1	-	2.0	2.1	2.1	1.5	-
3822	Process control instruments	39.2	40.1	39.7	37.4	-	1.8	2.5	1.5	1.3	-
3823	Instruments to measure electricity	42.6	42.7	43.8	39.5	-	2.9	3.2	3.1	2.1	-
3825	Optical instruments and lenses	40.2	40.5	38.7	37.5	-	1.7	1.6	1.7	1.2	-
383	Medical instruments and supplies	40.1	40.8	42.0	41.1	-	2.7	3.3	2.8	2.1	-
384	Surgical and medical instruments	39.7	39.9	40.3	37.2	-	2.2	2.3	2.5	1.8	-
3841	Surgical appliances and supplies	40.4	40.5	41.0	38.1	-	2.3	2.4	2.6	2.2	-
3842	Ophthalmic goods	39.2	39.5	39.6	35.9	-	2.3	2.4	2.5	1.7	-
385	Photographic equipment and supplies	39.8	39.7	39.2	39.0	-	1.4	1.5	1.2	1.2	-
386	Watches, clocks, and watchcases	41.5	42.1	42.0	40.8	-	2.8	3.5	2.7	2.3	-
387	Watches, clocks, and watchcases	38.9	38.6	38.8	35.3	-	1.4	.7	1.3	.7	-
MISCELLANEOUS MANUFACTURING INDUSTRIES											
39	Jewelry, silverware, and plated ware	38.9	38.6	39.1	36.4	38.1	1.9	1.8	2.0	1.3	-
391	Jewelry, precious metal	38.5	37.3	39.2	35.9	-	2.1	1.6	2.5	1.2	-
3911	Musical instruments	37.9	36.7	39.2	35.6	-	2.3	2.0	2.9	1.2	-
393	Toys and sporting goods	38.4	38.2	38.8	33.8	-	1.1	.8	1.4	.6	-
394	Dolls, games, toys, and children's vehicles	39.1	38.6	39.1	36.8	-	1.9	1.4	1.6	1.1	-
3942, 4	Sporting and athletic goods, nec	38.4	37.8	38.0	36.9	-	1.6	1.1	.9	.8	-
3949	Pens, pencils, office and art supplies	39.9	39.2	39.9	36.7	-	2.2	1.6	2.3	1.4	-
395	Costume jewelry and notions	40.0	39.8	41.0	38.3	-	2.1	2.3	2.1	1.6	-
396	Costume jewelry	38.6	38.4	38.1	36.0	-	2.1	2.1	2.4	1.6	-
3961	Miscellaneous manufactures	37.7	37.4	36.6	36.3	-	1.9	1.9	2.2	1.8	-
399	Signs and advertising displays	38.7	39.0	39.0	36.3	-	1.9	2.2	1.9	1.4	-
3993	Signs and advertising displays	38.7	38.8	39.0	36.2	-	2.4	2.7	2.4	1.6	-
NONDURABLE GOODS											
FOOD AND KINDRED PRODUCTS											
20	Meat products	39.7	40.0	40.4	38.7	38.9	3.7	4.0	3.7	3.7	-
201	Meat packing plants	39.5	40.3	40.1	38.4	-	3.7	4.4	4.0	4.4	-
2011	Sausages and other prepared meats	41.4	43.3	41.8	42.1	-	4.6	6.0	5.2	5.7	-
2013	Poultry dressing plants	39.6	39.6	40.9	39.4	-	3.4	3.4	3.9	4.0	-
2016	Dairy products	37.1	37.0	37.8	33.2	-	2.6	2.8	2.9	2.9	-
202	Cheese, natural and processed	41.2	40.6	41.4	40.4	-	3.9	3.7	3.8	3.6	-
2022	Fluid milk	39.5	38.6	39.8	38.4	-	3.3	3.0	3.1	2.8	-
2026	Preserved fruits and vegetables	41.8	41.4	41.8	41.4	-	4.3	4.1	4.0	4.2	-
203	Canned specialties	38.8	40.0	39.8	38.2	-	3.5	4.1	3.0	2.9	-
2032	Canned fruits and vegetables	41.2	40.1	44.8	40.2	-	4.5	6.4	4.5	3.3	-
2033	Frozen fruits and vegetables	38.8	39.5	39.4	36.5	-	3.6	3.0	2.7	2.2	-
2037	Grain mill products	38.1	41.9	38.4	39.8	-	3.6	6.2	2.9	3.9	-
204	Flour and other grain mill products	42.5	42.6	43.6	42.1	-	5.4	5.7	5.3	5.6	-
2041	Prepared feeds, nec	45.0	44.6	45.1	44.1	-	5.7	5.9	5.1	5.9	-
2048	Bakery products	42.7	43.0	43.6	41.8	-	5.7	6.2	5.8	5.8	-
205	Bread, cake, and related products	38.4	38.1	38.4	36.1	-	3.1	3.0	3.0	2.7	-
2051	Cookies and crackers	38.0	37.0	38.2	36.9	-	3.3	2.9	3.3	3.0	-
2052	Sugar and confectionery products	39.6	41.4	39.1	34.0	-	2.5	3.2	2.2	1.8	-
206	Cane and beet sugar	40.2	40.3	41.1	39.7	-	3.0	2.9	3.2	3.0	-
2061-3	Confectionery products	43.2	43.7	44.2	43.0	-	4.4	4.3	4.7	4.7	-
2066	Fats and oils	38.6	38.4	39.3	37.7	-	2.4	2.2	2.4	2.2	-
207	Beverages	42.9	43.2	44.4	43.0	-	5.3	5.6	6.1	5.7	-
208	Malt beverages	40.5	39.6	41.4	39.2	-	4.1	3.3	3.9	3.5	-
2082	Bottled and canned soft drinks	42.3	40.9	43.7	42.2	-	6.2	5.0	5.9	6.3	-
2086	Misc. foods and kindred products	39.7	38.9	39.8	37.3	-	3.5	2.7	3.3	2.3	-
209	Misc. foods and kindred products	38.0	37.8	38.5	36.6	-	3.3	3.4	2.8	2.6	-
TOBACCO MANUFACTURES											
21	Cigarettes	38.8	38.6	38.1	36.1	38.3	2.0	2.6	1.4	1.0	-
211	Cigarettes	39.3	39.7	37.3	36.2	-	2.3	3.3	1.1	.9	-
TEXTILE MILL PRODUCTS											
22	Weaving mills, cotton	39.7	39.9	38.6	31.1	37.5	3.0	3.2	2.4	1.5	-
221	Weaving mills, synthetics	40.1	40.2	39.3	27.3	-	3.2	3.5	2.7	1.0	-
222	Weaving and finishing mills, wool	41.2	41.5	39.4	31.4	-	3.6	4.0	2.7	1.5	-
223	Narrow fabric mills	41.1	41.5	40.6	40.6	-	3.7	3.3	3.6	3.6	-
224	Knitting mills	39.9	40.3	39.7	36.4	-	2.4	2.4	2.2	1.8	-
225	Knitting mills	37.8	37.8	36.8	30.5	-	2.1	2.3	1.8	1.3	-

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				
		Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	\$181.54	\$176.27	\$195.07	\$161.20	-	\$4.88	\$4.79	\$5.03	\$5.20	-
2252	Hosiery, nec	181.98	175.38	171.47	147.46	-	4.84	4.74	4.97	5.12	-
2253	Knit outerwear mills	188.50	184.88	191.44	156.45	-	5.04	4.97	5.15	5.25	-
2254	Knit underwear mills	177.48	175.81	172.37	140.84	-	4.93	4.83	5.04	5.03	-
2257	Circular knit fabric mills	225.01	219.14	228.51	208.23	-	5.74	5.52	5.92	6.02	-
226	Textile finishing, except wool	239.50	231.99	249.27	207.41	-	5.87	5.70	6.17	6.21	-
2261	Finishing plants, cotton	238.98	232.76	245.57	226.07	-	5.93	5.79	6.17	6.16	-
2262	Finishing plants, synthetics	252.32	245.61	264.92	227.37	-	6.08	5.89	6.43	6.46	-
227	Floor covering mills	222.66	220.00	223.06	164.89	-	5.68	5.50	5.87	5.91	-
228	Yarn and thread mills	204.09	199.90	203.52	173.32	-	5.18	5.01	5.37	5.39	-
2281	Yarn mills, except wool	204.49	200.80	202.83	161.16	-	5.19	5.02	5.38	5.39	-
2282	Throwing and winding mills	194.72	190.48	198.28	184.25	-	4.98	4.81	5.15	5.19	-
229	Miscellaneous textile goods	252.34	245.92	255.15	219.47	-	6.11	5.94	6.30	6.38	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	177.79	172.13	179.28	156.74	\$179.57	4.98	4.89	5.05	5.19	\$5.19
231	Men's and boys' suits and coats	207.27	203.40	212.94	184.53	-	5.71	5.65	5.85	6.07	-
232	Men's and boys' furnishings	165.89	161.53	167.29	134.60	-	4.57	4.55	4.66	4.79	-
2321	Men's and boys' shirts and nightwear	160.92	156.73	166.44	131.88	-	4.47	4.44	4.56	4.71	-
2327	Men's and boys' separate trousers	168.59	164.15	171.23	135.52	-	4.67	4.69	4.73	4.91	-
2328	Men's and boys' work clothing	164.94	160.65	165.60	129.74	-	4.47	4.45	4.60	4.65	-
233	Women's and misses' outerwear	167.15	161.84	167.00	156.06	-	4.96	4.86	5.00	5.10	-
2331	Women's and misses' blouses and waists	158.10	152.21	159.26	144.53	-	4.65	4.53	4.74	4.85	-
2335	Women's and misses' dresses	164.27	156.87	165.38	152.55	-	5.07	4.98	5.12	5.21	-
2337	Women's and misses' suits and coats	184.68	177.02	176.78	153.23	-	5.48	5.30	5.49	5.59	-
2339	Women's and misses' outerwear, nec	166.47	164.50	168.22	152.21	-	4.77	4.70	4.82	4.91	-
234	Women's and children's undergarments	163.62	156.47	164.58	143.05	-	4.52	4.42	4.61	4.69	-
2341	Women's and children's underwear	162.34	154.70	161.62	142.91	-	4.46	4.37	4.54	4.64	-
2342	Brassieres and allied garments	170.77	163.09	176.27	145.24	-	4.77	4.62	4.91	4.94	-
236	Children's outerwear	164.26	162.09	169.26	141.37	-	4.55	4.49	4.65	4.76	-
2361	Children's dresses and blouses	161.36	157.00	164.58	148.94	-	4.52	4.41	4.61	4.64	-
238	Misc. apparel and accessories	180.13	172.79	185.50	157.04	-	4.87	4.76	5.00	5.20	-
239	Misc. fabricated textile products	223.87	212.62	223.87	199.06	-	5.83	5.51	5.83	6.02	-
2391	Curtains and draperies	161.85	151.16	165.07	136.36	-	4.41	4.27	4.51	4.67	-
2392	House furnishing, nec	188.75	179.73	195.67	154.13	-	4.89	4.78	5.03	5.07	-
2396	Automotive and apparel trimmings	390.17	356.17	390.53	372.19	-	9.73	8.86	10.25	10.31	-
26	PAPER AND ALLIED PRODUCTS	365.50	353.13	382.59	373.27	376.26	8.60	8.27	8.96	9.36	8.98
261, 26	Paper and pulp mills	450.69	426.76	463.98	460.51	-	10.06	9.59	10.45	10.49	-
262	Paper mills, except building paper	454.00	429.30	471.57	455.62	-	10.00	9.54	10.41	10.44	-
263	Paperboard mills	453.12	436.10	476.50	478.43	-	10.23	9.80	10.66	10.80	-
264	Misc. converted paper products	310.02	300.03	331.52	318.80	-	7.58	7.30	7.95	8.01	-
2641	Paper coating and glazing	363.80	344.80	395.59	384.93	-	8.54	8.19	8.95	9.10	-
2642	Envelopes	281.99	269.47	303.05	293.38	-	6.98	6.67	7.32	7.39	-
2643	Bags, except textile bags	291.72	282.91	311.86	297.65	-	7.15	6.85	7.39	7.46	-
265	Paperboard containers and boxes	312.91	309.33	324.21	308.87	-	7.54	7.33	7.85	7.94	-
2651	Folding paperboard boxes	320.19	318.07	338.35	298.65	-	7.66	7.46	7.98	7.88	-
2653	Corrugated and solid fiber boxes	329.38	328.42	336.20	333.96	-	7.88	7.62	8.22	8.37	-
2654	Sanitary food containers	299.06	291.02	313.96	290.77	-	7.07	6.88	7.37	7.38	-
27	PRINTING AND PUBLISHING	305.86	293.83	322.15	311.82	318.23	8.20	7.92	8.50	8.59	8.63
271	Newspapers	279.89	265.35	295.41	283.27	-	8.38	8.09	8.74	8.77	-
272	Periodicals	290.94	282.33	316.76	312.85	-	7.80	7.61	8.38	8.41	-
273	Books	285.37	273.51	303.80	287.86	-	7.49	7.16	7.83	7.93	-
2731	Book publishing	274.10	262.71	292.61	278.38	-	7.29	6.95	7.64	7.69	-
2732	Book printing	298.38	286.38	316.37	298.02	-	7.71	7.40	8.05	8.21	-
274	Miscellaneous publishing	258.84	232.90	306.14	280.60	-	7.21	6.81	7.77	7.73	-
275	Commercial printing	328.43	317.68	339.99	335.66	-	8.51	8.23	8.74	8.88	-
2751	Commercial printing, letterpress	306.36	294.89	316.52	316.88	-	8.02	7.74	8.20	8.45	-
2752	Commercial printing, lithographic	339.89	330.33	352.29	348.46	-	8.76	8.47	9.01	9.17	-
276	Manifold business forms	330.08	315.52	362.06	337.45	-	8.15	7.81	8.60	8.50	-
278	Blankbooks and bookbinding	243.57	245.96	257.94	244.94	-	6.31	6.18	6.53	6.62	-
279	Printing trade services	385.56	373.98	404.91	392.54	-	10.20	9.92	10.43	10.44	-
28	CHEMICALS AND ALLIED PRODUCTS	379.39	363.58	397.94	394.54	397.99	9.12	8.74	9.52	9.67	9.66
281	Industrial inorganic chemicals	422.06	402.66	447.20	443.47	-	10.17	9.61	10.75	10.79	-
2819	Industrial inorganic chemicals, nec	420.65	399.92	448.28	445.63	-	10.21	9.66	10.75	10.79	-
282	Plastics materials and synthetics	379.26	360.64	391.46	386.65	-	9.03	8.69	9.41	9.50	-
2821	Plastics materials and resins	419.99	409.40	425.38	427.23	-	9.79	9.39	10.08	10.22	-
2824	Organic fibers, noncellulosic	354.00	328.42	370.87	357.80	-	8.53	8.19	8.98	8.99	-
283	Drugs	341.95	330.37	367.53	361.97	-	8.32	7.98	8.73	8.85	-
2834	Pharmaceutical preparations	323.20	311.48	346.59	342.86	-	8.00	7.71	8.38	8.55	-

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
TEXTILE MILL PRODUCTS—Continued											
2251	Women's hosiery, except socks	37.2	36.8	38.4	31.0	-	2.1	1.8	2.8	1.9	-
2252	Hosiery, nec	37.6	37.0	34.5	28.8	-	2.0	1.8	1.0	.7	-
2253	Knit outerwear mills	37.4	37.2	37.1	29.8	-	2.1	2.3	1.8	.9	-
2254	Knit underwear mills	36.0	36.4	34.2	28.0	-	1.1	1.4	.8	.7	-
2257	Circular knit fabric mills	39.2	39.7	38.6	34.6	-	2.5	3.0	2.1	2.0	-
226	Textile finishing, except wool	40.8	40.7	40.4	33.4	-	3.6	3.7	3.4	2.0	-
2261	Finishing plants, cotton	40.3	40.2	39.8	36.7	-	3.3	3.5	3.0	1.8	-
2262	Finishing plants, synthetics	41.5	41.7	41.2	32.1	-	4.0	4.2	3.6	2.1	-
227	Floor covering mills	39.2	40.0	38.0	27.9	-	3.1	3.5	1.8	1.0	-
228	Yarn and thread mills	39.4	39.9	37.9	31.6	-	2.9	3.2	2.1	1.6	-
2281	Yarn mills, except wool	39.4	40.0	37.7	29.9	-	3.0	3.5	2.0	1.3	-
2282	Throwing and winding mills	39.1	39.6	38.5	35.5	-	3.0	3.1	2.5	2.2	-
229	Miscellaneous textile goods	41.3	41.4	40.5	34.4	-	3.5	3.6	2.9	2.1	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.7	35.2	35.5	30.2	34.6	1.1	.9	1.0	.7	-
231	Men's and boys' suits and coats	36.3	36.0	36.4	30.4	-	.7	.7	.9	.5	-
232	Men's and boys' furnishings	36.3	35.5	35.9	28.1	-	.9	.9	.9	.5	-
2321	Men's and boys' shirts and nightwear	36.0	35.3	36.5	28.0	-	.9	.9	1.0	.6	-
2327	Men's and boys' separate trousers	36.1	35.0	36.2	27.6	-	.9	.8	1.0	.7	-
2328	Men's and boys' work clothing	36.9	36.1	36.0	27.9	-	.9	.9	.9	.4	-
233	Women's and misses' outerwear	33.7	33.3	33.4	30.6	-	.9	.9	.9	.7	-
2331	Women's and misses' blouses and waists	34.0	33.6	33.6	29.8	-	.9	.8	.7	.5	-
2335	Women's and misses' dresses	32.4	31.5	32.3	31.2	-	.9	.8	.8	.8	-
2337	Women's and misses' suits and coats	33.7	33.4	32.2	29.2	-	.8	.8	.9	.5	-
2339	Women's and misses' outerwear, nec	34.9	35.0	34.9	31.0	-	1.1	1.1	1.0	.8	-
234	Women's and children's undergarments	36.2	35.4	35.7	30.5	-	1.3	.9	1.1	.7	-
2341	Women's and children's underwear	36.4	35.4	35.6	30.8	-	1.3	.9	1.1	.7	-
2342	Brassieres and allied garments	35.8	35.3	35.9	29.4	-	1.2	.9	1.0	.5	-
236	Children's outerwear	36.1	36.1	36.4	29.7	-	1.2	1.0	1.0	.8	-
2361	Children's dresses and blouses	35.7	35.6	35.7	32.1	-	1.0	.8	.8	.5	-
238	Misc. apparel and accessories	37.0	36.3	37.1	30.2	-	1.3	.7	1.2	.7	-
239	Misc. fabricated textile products	38.4	37.9	38.4	32.9	-	1.8	1.4	1.6	.9	-
2391	Curtains and draperies	36.7	35.4	36.6	29.2	-	.9	.4	1.1	.6	-
2392	House furnishings, nec	38.6	37.6	38.9	30.4	-	2.0	1.6	2.2	.7	-
2396	Automotive and apparel trimmings	40.1	40.2	38.1	36.1	-	2.0	1.0	.7	.5	-
26	PAPER AND ALLIED PRODUCTS	42.5	42.7	42.7	41.2	41.9	4.5	4.7	4.2	4.3	-
261, 2, 6	Paper and pulp mills	44.8	44.5	44.4	43.9	-	6.5	6.5	5.7	6.2	-
262	Paper mills, except building paper	45.4	45.0	45.3	44.6	-	6.8	6.7	6.0	6.4	-
263	Paperboard mills	44.0	44.5	44.7	44.3	-	7.3	7.3	7.5	8.0	-
264	Misc. converted paper products	40.9	41.1	41.7	39.3	-	2.8	3.0	2.9	2.6	-
2641	Paper coating and glazing	42.6	42.1	44.2	42.3	-	3.1	3.2	3.0	2.7	-
2642	Envelopes	40.4	40.4	41.4	39.7	-	2.3	2.6	2.9	2.5	-
2643	Bags, except textile bags	40.8	41.3	42.2	39.9	-	3.0	3.2	3.3	2.9	-
265	Paperboard containers and boxes	41.5	42.2	41.3	38.9	-	3.4	3.7	3.0	2.9	-
2651	Folding paperboard boxes	41.8	42.1	42.4	37.9	-	3.8	4.0	3.9	3.1	-
2653	Corrugated and solid fiber boxes	41.8	43.1	40.9	39.9	-	3.6	4.0	3.0	3.3	-
2654	Sanitary food containers	42.3	42.3	42.6	39.4	-	3.2	3.5	2.6	2.4	-
27	PRINTING AND PUBLISHING	37.3	37.1	37.9	36.3	37.0	2.4	2.3	2.7	2.2	-
271	Newspapers	33.4	32.8	33.8	32.3	-	1.5	1.1	1.9	1.2	-
272	Periodicals	37.3	37.1	37.8	37.2	-	2.3	1.7	2.8	2.2	-
273	Books	38.1	38.2	38.8	36.3	-	2.3	2.2	2.4	2.1	-
2731	Book publishing	37.6	37.8	38.3	36.2	-	1.5	1.3	1.4	1.0	-
2732	Book printing	38.7	38.7	39.3	36.3	-	3.2	3.2	3.6	3.4	-
274	Miscellaneous publishing	35.9	34.2	39.4	36.3	-	1.6	1.6	3.1	.9	-
275	Commercial printing	38.6	38.6	38.9	37.8	-	3.0	2.8	2.9	2.6	-
2751	Commercial printing, letterpress	38.2	38.1	38.6	37.5	-	2.4	2.3	2.3	1.9	-
2752	Commercial printing, lithographic	38.8	39.0	39.1	38.3	-	3.2	3.1	3.2	3.0	-
276	Manifold business forms	40.5	40.4	42.1	39.7	-	3.1	3.3	4.7	3.1	-
278	Blankbooks and bookbinding	38.6	39.8	39.5	37.0	-	1.7	2.8	1.8	1.6	-
279	Printing trade service	37.8	37.7	38.6	37.6	-	3.5	3.3	3.5	2.9	-
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.6	41.8	40.8	41.2	3.3	3.4	2.9	3.1	-
281	Industrial inorganic chemicals	41.5	41.9	41.6	41.1	-	3.3	3.2	3.3	3.5	-
2819	Industrial inorganic chemicals, nec	41.2	41.4	41.7	41.3	-	3.2	3.1	3.4	3.6	-
282	Plastics materials and synthetics	42.0	41.5	41.6	40.7	-	3.3	3.2	2.5	2.9	-
2821	Plastics materials and resins	42.9	43.6	42.3	41.8	-	4.4	4.7	3.2	3.7	-
2824	Organic fibers, noncellulosic	41.5	40.1	41.3	39.8	-	2.5	2.0	2.0	2.1	-
283	Drugs	41.1	41.4	42.1	40.9	-	2.9	3.1	3.1	2.8	-
2834	Pharmaceutical preparations	40.4	40.4	41.3	40.1	-	2.8	3.0	3.0	2.7	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	\$336.53	\$322.78	\$360.14	\$357.01	-	\$8.33	\$8.11	\$8.72	\$8.97	-
2841	Soap and other detergents	452.38	432.43	484.61	496.06	-	10.72	10.37	11.27	11.43	-
2844	Toilet preparations	259.11	249.60	274.33	266.92	-	6.61	6.50	6.91	7.08	-
2842, 3	Polishing, sanitation, and finishing preparations	330.89	306.43	359.53	339.60	-	8.17	7.68	8.54	8.73	-
285	Paints and allied products	325.62	316.71	327.13	323.17	-	8.06	7.82	8.24	8.46	-
286	Industrial organic chemicals	458.82	432.23	472.34	474.89	-	10.72	10.17	11.14	11.20	-
2865	Cyclic crudes and intermediates	423.61	390.82	447.07	447.32	-	10.11	9.44	10.67	10.60	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	470.65	445.73	481.38	484.50	-	10.92	10.39	11.30	11.40	-
287	Agricultural chemicals	382.27	377.14	398.39	391.94	-	8.89	8.65	9.33	9.49	-
289	Miscellaneous chemical products	349.81	336.96	367.88	355.62	-	8.47	8.10	8.78	9.05	-
29	PETROLEUM AND COAL PRODUCTS	491.18	471.16	493.31	518.49	\$514.74	11.37	11.06	11.58	12.03	\$12.14
291	Petroleum refining	529.40	507.70	528.34	560.40	-	12.17	11.89	12.23	12.65	-
295	Paving and roofing materials	371.09	345.23	363.41	338.68	-	8.63	8.01	9.04	9.08	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	292.90	289.46	299.95	288.04	299.07	7.25	7.06	7.48	7.62	7.51
301	Tires and inner tubes	459.68	461.34	460.08	451.62	-	11.05	10.63	11.36	11.58	-
302	Rubber and plastics footwear	180.78	189.70	192.27	177.00	-	4.77	4.56	4.93	5.00	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	320.90	301.80	328.05	318.67	-	7.77	7.22	8.12	8.15	-
306	Fabricated rubber products, nec	270.27	262.66	278.50	266.21	-	6.74	6.55	6.98	7.06	-
307	Miscellaneous plastics products	263.71	257.99	271.08	256.43	-	6.56	6.37	6.76	6.82	-
31	LEATHER AND LEATHER PRODUCTS	183.63	177.39	187.10	174.54	181.65	4.99	4.86	5.14	5.21	5.25
311	Leather tanning and finishing	260.43	255.76	264.32	254.29	-	6.56	6.41	6.83	6.91	-
314	Footwear, except rubber	175.45	170.97	178.70	163.50	-	4.82	4.71	4.95	5.00	-
3143	Men's footwear, except athletic	188.87	188.12	189.01	170.63	-	5.05	4.99	5.15	5.25	-
3144	Women's footwear, except athletic	165.20	156.80	172.53	156.49	-	4.68	4.48	4.85	4.86	-
316	Luggage	194.48	182.59	192.89	185.47	-	5.20	5.03	5.69	5.76	-
317	Handbags and personal leather goods	170.72	161.98	176.33	167.60	-	4.69	4.55	4.74	4.83	-
-	TRANSPORTATION AND PUBLIC UTILITIES	382.97	367.60	396.14	391.02	400.73	9.72	9.33	10.08	10.13	10.17
	RAILROAD TRANSPORTATION:										
4011	Class I railroads ²	457.95	446.68	466.40	-	-	10.65	10.51	11.00	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	231.18	218.74	230.44	235.89	-	6.74	6.51	6.92	7.17	-
411	Local and suburban transportation	288.41	278.46	293.57	299.83	-	7.32	7.14	7.47	7.61	-
413	Intercity highway transportation	386.64	383.77	383.71	422.10	-	10.77	10.69	10.87	12.06	-
42	TRUCKING AND WAREHOUSING	388.83	372.27	402.83	374.44	-	9.97	9.57	10.25	10.12	-
421, 3	Trucking and trucking terminals	398.04	380.44	411.47	382.58	-	10.18	9.78	10.47	10.34	-
422	Public warehousing	267.96	263.64	277.68	261.65	-	6.96	6.76	7.12	7.11	-
46	PIPE LINES, EXCEPT NATURAL GAS	491.05	492.05	510.84	515.70	-	11.50	11.39	11.88	11.91	-
48	COMMUNICATION	377.70	358.38	396.98	392.17	-	9.49	9.05	10.05	10.03	-
481	Telephone communication	392.98	371.87	413.67	408.46	-	9.80	9.32	10.42	10.42	-
4817	Switchboard operating employees ³	272.46	247.54	283.53	291.51	-	7.99	7.57	8.54	8.65	-
4818	Line construction employees ⁴	496.17	476.10	518.30	503.02	-	11.38	10.97	11.97	11.92	-
483	Radio and television broadcasting	312.30	298.21	331.85	327.56	-	8.24	7.91	8.71	8.62	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	411.10	393.54	426.63	441.42	-	9.93	9.46	10.33	10.51	-
491	Electric services	419.67	402.53	433.68	444.78	-	10.04	9.63	10.45	10.59	-
492	Gas production and distribution	374.64	368.68	392.76	410.86	-	9.16	8.82	9.51	9.69	-
493	Combination utility services	457.60	424.97	477.76	490.65	-	11.08	10.34	11.54	11.71	-
495	Sanitary services	320.62	309.20	326.00	347.32	-	7.82	7.56	8.15	8.43	-
-	WHOLESALE AND RETAIL TRADE	190.35	183.86	193.52	191.89	193.73	5.93	5.80	6.01	6.17	6.15
50, 51	WHOLESALE TRADE	292.59	281.82	303.02	300.93	302.90	7.58	7.32	7.83	7.94	7.95
50	WHOLESALE TRADE-DURABLE GOODS	294.47	284.70	305.37	302.93	-	7.57	7.30	7.81	7.93	-
501	Motor vehicles and automotive equipment	268.73	260.84	274.28	266.32	-	6.98	6.74	7.18	7.14	-
502	Furniture and home furnishings	260.68	251.92	272.46	259.55	-	6.97	6.70	7.17	7.15	-
503	Lumber and construction materials	301.86	289.84	308.51	296.63	-	7.74	7.47	7.85	7.91	-
504	Sporting goods, toys, and hobby goods	300.05	296.40	316.13	321.27	-	7.98	7.80	8.43	8.59	-

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				
		Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	CHEMICALS AND ALLIED PRODUCTS—Cont'd										
284	Soap, cleaners, and toilet goods	40.4	39.8	41.3	39.8	-	2.7	2.8	2.8	2.8	-
2841	Soap and other detergents	42.2	41.7	43.0	43.4	-	3.8	3.9	3.8	4.3	-
2844	Toilet preparations	39.2	38.4	39.7	37.7	-	2.2	2.3	2.4	2.0	-
2842, 3	Polishing, sanitation, and finishing preparations	40.5	39.9	42.1	38.9	-	2.4	2.3	2.4	2.5	-
285	Paints and allied products	40.4	40.5	39.7	38.2	-	2.6	2.6	1.3	1.6	-
286	Industrial organic chemicals	42.8	42.5	42.4	42.4	-	3.8	4.0	3.3	3.7	-
2865	Cyclic crudes and intermediates	41.9	41.4	41.9	42.2	-	3.6	3.9	2.6	3.1	-
2861, 9	Gum, wood, and industrial organic chemicals, nec	43.1	42.9	42.6	42.5	-	3.9	4.0	3.5	3.9	-
287	Agricultural chemicals	43.0	43.6	42.7	41.3	-	4.6	5.1	3.8	4.1	-
289	Miscellaneous chemical products	41.3	41.6	41.9	40.4	-	3.1	3.7	3.0	3.4	-
29	PETROLEUM AND COAL PRODUCTS	43.2	42.6	42.6	43.1	42.4	3.8	3.4	3.0	3.9	-
291	Petroleum refining	43.5	42.7	43.2	44.3	-	3.6	3.2	3.0	4.2	-
295	Paving and roofing materials	43.0	43.1	40.2	37.3	-	5.5	5.5	3.6	2.9	-
30	RUBBER AND MISC. PLASTICS PRODUCTS	40.4	41.0	40.1	37.8	39.3	3.0	3.4	2.6	2.4	-
301	Tires and inner tubes	41.6	43.4	40.5	39.3	-	3.2	4.8	2.2	2.6	-
302	Rubber and plastics footwear	37.9	41.6	39.0	35.4	-	2.0	2.5	1.5	1.3	-
303, 4	Reclaimed rubber, and rubber and plastics hose and belting	41.3	41.8	40.4	39.1	-	2.8	2.5	1.8	1.8	-
306	Fabricated rubber products, nec	40.1	40.1	39.9	37.6	-	2.6	2.8	2.2	1.9	-
307	Miscellaneous plastics products	40.2	40.5	40.1	37.6	-	3.1	3.2	2.8	2.5	-
31	LEATHER AND LEATHER PRODUCTS	36.8	36.5	36.4	33.5	34.6	1.4	1.6	1.3	1.1	-
311	Leather tanning and finishing	39.7	39.9	38.7	36.8	-	2.9	3.1	2.5	2.4	-
314	Footwear, except rubber	36.4	36.3	36.1	32.7	-	1.1	1.3	1.1	.9	-
3143	Men's footwear, except athletic	37.4	37.7	36.7	32.5	-	1.2	1.6	1.1	1.0	-
3144	Women's footwear, except athletic	35.3	35.0	35.5	32.2	-	1.1	1.2	1.2	.8	-
316	Luggage	37.4	36.3	33.9	32.2	-	1.4	1.7	1.2	1.6	-
317	Handbags and personal leather goods	36.4	35.6	37.2	34.7	-	1.7	1.9	1.2	1.0	-
-	TRANSPORTATION AND PUBLIC UTILITIES	39.4	39.4	39.3	38.6	39.4	-	-	-	-	-
	RAILROAD TRANSPORTATION:										
4011	Class 1 railroads ²	43.0	42.5	42.4	-	-	-	-	-	-	-
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	34.3	33.6	33.3	32.9	-	-	-	-	-	-
411	Local and suburban transportation	39.4	39.0	39.3	39.4	-	-	-	-	-	-
413	Intercity highway transportation	35.9	35.9	35.3	35.0	-	-	-	-	-	-
42	TRUCKING AND WAREHOUSING	39.0	38.9	39.3	37.0	-	-	-	-	-	-
421, 3	Trucking and trucking terminals	39.1	38.9	39.3	37.0	-	-	-	-	-	-
422	Public warehousing	38.5	39.0	39.0	36.8	-	-	-	-	-	-
46	PIPE LINES, EXCEPT NATURAL GAS	42.7	43.2	43.0	43.3	-	-	-	-	-	-
48	COMMUNICATION	39.8	39.6	39.5	39.1	-	-	-	-	-	-
481	Telephone communication	40.1	39.9	39.7	39.2	-	-	-	-	-	-
4817	Switchboard operating employees ³	34.1	32.7	33.2	33.7	-	-	-	-	-	-
4818	Line construction employees ⁴	43.6	43.4	43.3	42.2	-	-	-	-	-	-
483	Radio and television broadcasting	37.9	37.7	38.1	38.0	-	-	-	-	-	-
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.4	41.6	41.3	42.0	-	-	-	-	-	-
491	Electric services	41.8	41.8	41.5	42.0	-	-	-	-	-	-
492	Gas production and distribution	40.9	41.8	41.3	42.4	-	-	-	-	-	-
493	Combination utility services	41.3	41.1	41.4	41.9	-	-	-	-	-	-
495	Sanitary services	41.0	40.9	40.0	41.2	-	-	-	-	-	-
-	WHOLESALE AND RETAIL TRADE	32.1	31.7	32.2	31.1	31.5	-	-	-	-	-
50, 51	WHOLESALE TRADE	38.6	38.5	38.7	37.9	38.1	-	-	-	-	-
50	WHOLESALE TRADE-DURABLE GOODS	38.9	39.0	39.1	38.2	-	-	-	-	-	-
501	Motor vehicles and automotive equipment	38.5	38.7	38.2	37.3	-	-	-	-	-	-
502	Furniture and home furnishings	37.4	37.6	38.0	36.3	-	-	-	-	-	-
503	Lumber and construction materials	39.3	38.8	39.3	37.5	-	-	-	-	-	-
504	Sporting goods, toys, and hobby goods	37.6	38.0	37.5	37.4	-	-	-	-	-	-

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

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

1972 SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avj. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
506	Metals and minerals, except petroleum	\$348.17	\$341.70	\$353.33	\$344.28	-	\$8.77	\$8.50	\$8.90	\$9.06	-
506	Electrical goods	312.78	296.77	332.29	339.00	-	8.02	7.59	8.37	8.67	-
507	Hardware, plumbing, and heating equipment	271.74	264.32	280.52	280.77	-	7.04	6.83	7.23	7.35	-
508	Machinery, equipment, and supplies	305.75	294.39	316.79	315.44	-	7.78	7.51	8.02	8.13	-
509	Miscellaneous durable goods	241.15	236.78	249.98	236.16	-	5.28	6.15	6.51	6.56	-
51	WHOLESALE TRADE-NONDURABLE GOODS	288.42	277.45	299.87	298.33	-	7.59	7.34	7.85	7.97	-
511	Paper and paper products	312.65	303.60	316.68	315.24	-	8.45	8.25	8.49	8.52	-
512	Drugs, proprietaries, and sundries	299.03	284.58	310.05	309.02	-	8.06	7.65	8.29	8.56	-
513	Apparel, piece goods, and notions	249.75	241.85	257.89	252.03	-	6.75	6.59	6.97	7.04	-
514	Groceries and related products	293.31	277.43	301.85	302.78	-	7.58	7.32	7.82	8.01	-
516	Chemicals and allied products	350.88	347.70	364.88	349.33	-	9.02	8.87	9.38	9.12	-
517	Petroleum and petroleum products	360.19	357.75	374.80	382.30	-	9.05	8.79	9.37	9.51	-
518	Beer, wine, and distilled beverages	328.56	309.52	352.66	336.50	-	8.88	8.48	9.48	9.27	-
519	Miscellaneous nondurable goods	237.84	228.98	245.63	244.32	-	6.21	6.01	6.43	6.55	-
52-59	RETAIL TRADE	158.33	152.81	161.20	157.22	\$159.05	5.26	5.18	5.32	5.44	\$5.41
52	BUILDING MATERIALS AND GARDEN SUPPLIES	209.76	202.02	215.28	207.09	-	5.70	5.55	5.85	5.90	-
521	Lumber and other building materials	230.06	221.37	231.57	221.43	-	5.96	5.78	6.11	6.10	-
525	Hardware stores	171.20	162.85	178.71	174.77	-	5.05	4.92	5.18	5.28	-
53	GENERAL MERCHANDISE STORES	150.38	142.13	157.12	149.03	-	5.15	5.04	5.22	5.38	-
531	Department stores	155.64	146.92	162.30	155.68	-	5.33	5.21	5.41	5.58	-
533	Variety stores	123.35	117.29	131.27	113.21	-	4.21	4.13	4.29	4.24	-
539	Misc. general merchandise stores	127.20	120.60	132.68	122.64	-	4.24	4.13	4.28	4.38	-
54	FOOD STORES	213.23	205.57	209.92	213.31	-	6.88	6.74	6.86	7.04	-
541	Grocery stores	223.17	213.98	218.28	221.74	-	7.13	6.97	7.11	7.27	-
546	Retail bakeries	139.48	133.00	141.20	134.04	-	4.86	4.75	4.92	4.91	-
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	228.61	219.91	229.50	229.52	-	6.08	5.88	6.12	6.17	-
551, 2	New and used car dealers	269.63	259.29	269.31	265.79	-	7.04	6.77	7.05	7.05	-
553	Auto and home supply stores	227.70	220.40	229.64	231.85	-	5.65	5.51	5.67	5.84	-
554	Gasoline service stations	171.47	167.32	173.04	176.65	-	4.83	4.74	4.93	4.99	-
56	APPAREL AND ACCESSORY STORES	133.28	127.32	141.19	131.65	-	4.66	4.58	4.77	4.84	-
561	Men's and boys' clothing and furnishings	168.01	165.38	174.10	170.29	-	5.30	5.25	5.39	5.62	-
562	Women's ready-to-wear stores	118.76	113.26	124.80	117.19	-	4.35	4.29	4.41	4.58	-
565	Family clothing stores	129.33	121.58	136.83	125.19	-	4.57	4.47	4.67	4.76	-
566	Shoe stores	139.97	129.72	152.28	133.24	-	4.86	4.60	5.11	4.81	-
57	FURNITURE AND HOME FURNISHINGS STORES	205.12	202.12	214.55	209.53	-	5.94	5.91	6.13	6.18	-
571	Furniture and home furnishings stores	206.12	201.14	215.51	208.49	-	5.94	5.83	6.14	6.15	-
572	Household appliance stores	219.13	212.63	222.41	216.41	-	6.19	6.11	6.23	6.46	-
573	Radio, television, and music stores	197.44	197.94	208.04	208.54	-	5.79	5.98	6.03	6.08	-
58	EATING AND DRINKING PLACES ⁵	103.10	98.67	104.75	100.37	-	3.95	3.90	4.06	4.08	-
59	MISCELLANEOUS RETAIL	161.28	157.99	167.89	162.87	-	5.12	5.08	5.15	5.34	-
591	Drug stores and proprietary stores	139.87	133.74	145.63	141.93	-	4.79	4.66	4.92	4.98	-
594	Miscellaneous shopping goods stores	146.44	141.30	154.55	145.82	-	4.77	4.71	4.77	4.96	-
596	Nonstore retailers	195.89	192.47	198.95	191.75	-	5.83	5.85	5.62	6.03	-
598	Fuel and ice dealers	267.63	295.68	283.29	305.78	-	6.88	7.04	7.19	7.44	-
599	Retail stores, nec	170.47	164.96	177.98	171.74	-	5.15	5.06	5.25	5.35	-
-	FINANCE, INSURANCE, AND REAL ESTATE ⁶	228.69	222.04	233.85	238.92	240.31	6.30	6.10	6.46	6.60	6.62
60	BANKING	196.74	190.84	200.56	206.59	-	5.39	5.20	5.51	5.66	-
602	Commercial and stock savings banks	193.98	188.05	197.83	203.31	-	5.30	5.11	5.42	5.57	-
61	CREDIT AGENCIES OTHER THAN BANKS	205.71	199.46	209.35	212.65	-	5.59	5.42	5.72	5.81	-
612	Savings and loan associations	191.30	187.46	192.07	196.20	-	5.27	5.15	5.35	5.45	-
614	Personal credit institutions	206.65	200.88	214.27	215.92	-	5.57	5.40	5.76	5.82	-
63	INSURANCE CARRIERS	261.10	248.34	273.04	277.14	-	7.00	6.64	7.32	7.45	-
631	Life insurance	273.77	259.13	286.09	290.90	-	7.32	6.91	7.67	7.82	-
632	Medical service and health insurance	247.49	236.36	261.59	256.95	-	6.53	6.22	6.83	6.97	-
633	Fire, marine, and casualty insurance	253.13	242.43	263.47	267.18	-	6.86	6.57	7.14	7.28	-

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	WHOLESALE TRADE-DURABLE GOODS—Continued										
505	Metals and minerals, except petroleum	39.7	40.2	39.7	38.0	-	-	-	-	-	
506	Electrical goods	39.0	39.1	39.7	39.1	-	-	-	-	-	
507	Hardware, plumbing, and heating equipment	38.6	38.7	38.8	38.2	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.3	39.2	39.5	38.9	-	-	-	-	-	
509	Miscellaneous durable goods	38.4	38.5	38.4	36.0	-	-	-	-	-	
51	WHOLESALE TRADE-NONDURABLE GOODS ..	38.0	37.8	38.2	37.4	-	-	-	-	-	
511	Paper and paper products	37.0	36.8	37.3	37.0	-	-	-	-	-	
512	Drugs, proprietaries, and sundries	37.1	37.2	37.4	36.1	-	-	-	-	-	
513	Apparel, piece goods, and notions	37.0	36.7	37.0	35.8	-	-	-	-	-	
514	Groceries and related products	38.3	37.9	38.6	37.8	-	-	-	-	-	
516	Chemicals and allied products	38.9	39.2	38.9	38.3	-	-	-	-	-	
517	Petroleum and petroleum products	39.8	40.7	40.0	40.2	-	-	-	-	-	
518	Beer, wine, and distilled beverages	37.0	36.5	37.2	36.3	-	-	-	-	-	
519	Miscellaneous nondurable goods	38.3	38.1	38.2	37.3	-	-	-	-	-	
52-59	RETAIL TRADE	30.1	29.5	30.3	28.9	29.4	-	-	-	-	
52	BUILDING MATERIALS AND GARDEN SUPPLIES	36.8	36.4	36.8	35.1	-	-	-	-	-	
521	Lumber and other building materials	38.6	38.3	37.9	36.3	-	-	-	-	-	
525	Hardware stores	33.9	33.1	34.5	33.1	-	-	-	-	-	
53	GENERAL MERCHANDISE STORES	29.2	28.2	30.1	27.7	-	-	-	-	-	
531	Department stores	29.2	28.2	30.0	27.9	-	-	-	-	-	
533	Variety stores	29.3	28.4	30.6	26.7	-	-	-	-	-	
539	Misc. general merchandise stores	30.0	29.2	31.0	28.0	-	-	-	-	-	
54	FOOD STORES	31.0	30.5	30.6	30.3	-	-	-	-	-	
541	Grocery stores	31.3	30.7	30.7	30.5	-	-	-	-	-	
546	Retail bakeries	28.7	28.0	28.7	27.3	-	-	-	-	-	
55	AUTOMOTIVE DEALERS AND SERVICE STATIONS	37.6	37.4	37.5	37.2	-	-	-	-	-	
551, 2	New and used car dealers	38.3	38.3	38.2	37.7	-	-	-	-	-	
553	Auto and home supply stores	40.3	40.0	40.5	39.7	-	-	-	-	-	
554	Gasoline service stations	35.5	35.3	35.1	35.4	-	-	-	-	-	
56	APPAREL AND ACCESSORY STORES	28.6	27.8	29.6	27.2	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.7	31.5	32.3	30.3	-	-	-	-	-	
562	Women's ready-to-wear stores	27.3	26.4	28.3	25.7	-	-	-	-	-	
565	Family clothing stores	28.3	27.2	29.3	26.4	-	-	-	-	-	
566	Shoe stores	28.8	28.2	29.8	27.7	-	-	-	-	-	
57	FURNITURE AND HOME FURNISHINGS STORES	34.7	34.2	35.0	33.9	-	-	-	-	-	
571	Furniture and home furnishings stores	34.7	34.5	35.1	33.9	-	-	-	-	-	
572	Household appliance stores	35.4	34.8	35.7	33.5	-	-	-	-	-	
573	Radio, television, and music stores	34.1	33.1	34.5	34.3	-	-	-	-	-	
58	EATING AND DRINKING PLACES	26.1	25.3	25.8	24.6	-	-	-	-	-	
59	MISCELLANEOUS RETAIL	31.5	31.1	32.6	30.5	-	-	-	-	-	
591	Drug stores and proprietary stores	29.2	28.7	29.6	28.5	-	-	-	-	-	
594	Miscellaneous shopping goods stores	30.7	30.0	32.4	29.4	-	-	-	-	-	
596	Nonstore retailers	33.6	32.9	35.4	31.3	-	-	-	-	-	
598	Fuel and ice dealers	38.9	42.0	39.4	41.1	-	-	-	-	-	
599	Retail stores, nec.	33.1	32.6	33.9	32.1	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE	36.3	36.4	36.2	36.2	36.3	-	-	-	-	
60	BANKING	36.5	36.7	36.4	36.5	-	-	-	-	-	
602	Commercial and stock savings banks	36.6	36.8	36.5	36.5	-	-	-	-	-	
61	CREDIT AGENCIES OTHER THAN BANKS	36.8	36.8	36.6	36.6	-	-	-	-	-	
612	Savings and loan associations	36.3	36.4	35.9	36.0	-	-	-	-	-	
614	Personal credit institutions	37.1	37.2	37.2	37.1	-	-	-	-	-	
63	INSURANCE CARRIERS	37.3	37.4	37.3	37.2	-	-	-	-	-	
631	Life insurance	37.4	37.5	37.3	37.2	-	-	-	-	-	
632	Medical service and health insurance	37.9	38.0	38.3	38.3	-	-	-	-	-	
633	Fire, marine, and casualty insurance	36.9	36.9	36.9	36.7	-	-	-	-	-	

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				
		Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avq. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
-	SERVICES	\$208.97	\$201.83	\$217.12	\$217.32	\$219.67	\$6.41	\$6.21	\$6.65	\$6.77	\$6.78
701	HOTELS AND OTHER LODGING PLACES: Hotels, motels, and tourist courts	147.80	142.38	152.28	150.02	-	4.83	4.81	5.11	5.12	-
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	162.62	157.51	168.66	152.83	-	4.84	4.73	4.99	5.31	-
723	Beauty shops	140.10	132.16	144.05	130.18	-	4.67	4.48	4.77	4.60	-
73	BUSINESS SERVICES	214.18	205.71	221.43	220.93	-	6.53	6.31	6.71	6.84	-
731	Advertising	314.53	301.11	323.99	321.63	-	8.86	8.53	8.95	9.06	-
734	Services to buildings	147.97	145.24	149.88	145.99	-	5.46	5.32	5.49	5.53	-
737	Computer and data processing services	294.62	275.26	307.80	314.02	-	7.92	7.48	8.23	8.51	-
75	AUTO REPAIR, SERVICES, AND GARAGES ...	244.08	237.25	250.61	247.66	-	6.44	6.26	6.63	5.73	-
753	Automotive repair shops	270.57	262.68	279.82	275.38	-	6.92	6.77	7.12	7.19	-
76	MISCELLANEOUS REPAIR SERVICES	298.74	292.11	310.85	300.95	-	7.66	7.49	7.83	7.92	-
78	MOTION PICTURES	227.16	250.13	261.74	256.52	-	8.54	9.03	9.73	9.68	-
781	Motion picture production and services	485.87	515.20	540.48	534.61	-	12.62	13.01	13.93	13.85	-
79	AMUSEMENT AND RECREATION SERVICES ...	181.50	177.31	184.97	183.13	-	5.99	5.95	6.27	6.25	-
80	HEALTH SERVICES	207.62	199.70	214.83	219.07	-	6.33	6.07	6.59	6.72	-
801	Offices of physicians	210.60	205.68	214.75	213.57	-	6.52	6.29	6.69	6.78	-
802	Offices of dentists	179.27	176.03	184.23	185.08	-	6.29	6.07	6.51	6.54	-
805	Nursing and personal care facilities	141.19	138.26	143.99	148.20	-	4.54	4.46	4.63	4.75	-
806	Hospitals	231.54	220.32	242.05	247.13	-	6.81	6.48	7.14	7.29	-
81	LEGAL SERVICES	277.49	268.41	286.75	288.08	-	8.09	7.78	8.24	8.35	-
89	MISCELLANEOUS SERVICES	359.87	344.32	373.84	373.81	-	9.37	8.99	9.71	9.76	-
891	Engineering and architectural services	392.89	379.08	411.99	412.06	-	10.10	9.77	10.51	10.62	-
893	Accounting, auditing, and bookkeeping	301.78	287.96	310.13	311.50	-	7.90	7.46	8.14	8.07	-

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 non-supervisory 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 non-supervisory employees in establishments reporting hours and earnings data.

⁵ Money payments only; tips, not included.

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

- Data not available.

p = preliminary.

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

**ESTABLISHMENT DATA
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				
		Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P	Avg. 1981	Jan. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	SERVICES	32.6	32.5	32.6	32.1	32.4	-	-	-	-	-
	HOTELS AND OTHER LODGING PLACES:										
701	Hotels, motels, and tourist courts	30.6	29.6	29.8	29.3	-	-	-	-	-	
	PERSONAL SERVICES:										
721	Laundry, cleaning, and garment services	33.6	33.3	33.8	32.5	-	-	-	-	-	
723	Beauty shops	30.0	29.5	30.2	28.3	-	-	-	-	-	
	BUSINESS SERVICES	32.8	32.6	33.0	32.3	-	-	-	-	-	
731	Advertising	35.5	35.3	36.2	35.5	-	-	-	-	-	
734	Services to buildings	27.1	27.3	27.3	26.4	-	-	-	-	-	
737	Computer and data processing services	37.2	36.8	37.4	36.9	-	-	-	-	-	
	AUTO REPAIR, SERVICES, AND GARAGES	37.9	37.9	37.8	36.8	-	-	-	-	-	
753	Automotive repair shops	39.1	38.8	39.3	38.3	-	-	-	-	-	
76	MISCELLANEOUS REPAIR SERVICES	39.0	39.0	39.7	38.0	-	-	-	-	-	
	MOTION PICTURES	26.6	27.7	26.9	26.5	-	-	-	-	-	
781	Motion picture production and services	38.5	39.6	38.8	38.6	-	-	-	-	-	
79	AMUSEMENT AND RECREATION SERVICES	30.3	29.8	29.5	29.3	-	-	-	-	-	
	HEALTH SERVICES	32.8	32.9	32.6	32.6	-	-	-	-	-	
801	Offices of physicians	32.3	32.7	32.1	31.5	-	-	-	-	-	
802	Offices of dentists	28.5	29.0	28.3	28.3	-	-	-	-	-	
805	Nursing and personal care facilities	31.1	31.0	31.1	31.2	-	-	-	-	-	
806	Hospitals	34.0	34.0	33.9	33.9	-	-	-	-	-	
81	LEGAL SERVICES	34.3	34.5	34.8	34.5	-	-	-	-	-	
	MISCELLANEOUS SERVICES	38.3	38.3	38.5	38.3	-	-	-	-	-	
891	Engineering and architectural services	38.9	38.8	39.2	38.8	-	-	-	-	-	
893	Accounting, auditing, and bookkeeping	38.2	38.6	38.1	38.6	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

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

Major industry group	Average hourly earnings excluding overtime				
	Avq. 1981	Feb. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
MANUFACTURING	\$7.71	\$7.48	\$7.99	\$8.16	\$8.11
DURABLE GOODS	8.23	7.98	8.54	8.67	8.65
Lumber and wood products	6.78	6.53	5.97	7.19	-
Furniture and fixtures	5.76	5.60	5.97	6.15	-
Stone, clay, and glass products	7.91	7.56	8.22	8.39	-
Primary metal industries	10.42	10.16	10.78	10.90	-
Fabricated metal products	7.93	7.65	8.27	8.33	-
Machinery, except electrical	8.50	8.23	8.85	8.91	-
Electric and electronic equipment	7.44	7.23	7.72	7.82	-
Transportation equipment	9.93	9.57	10.34	10.40	-
Instruments and related products	7.24	7.03	7.61	7.76	-
Miscellaneous manufacturing industries	5.83	5.69	6.05	6.21	-
NONDURABLE GOODS	6.94	6.74	7.21	7.43	7.34
Food and kindred products	7.12	6.93	7.36	7.47	-
Tobacco manufactures	8.60	8.29	8.74	9.00	-
Textile mill products	5.32	5.15	5.55	5.63	-
Apparel and other textile products	4.91	4.81	4.98	5.14	-
Paper and allied products	8.17	7.87	8.54	8.62	-
Printing and publishing	7.94	7.72	8.21	8.34	-
Chemicals and allied products	8.77	8.46	9.20	9.31	-
Petroleum and coal products	10.89	10.86	11.18	11.51	-
Rubber and misc. plastics products	6.99	6.79	7.24	7.39	-
Leather and leather products	4.89	4.79	5.05	5.12	-

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

p = preliminary.

NOTE: The spendable earnings series shown below will be discontinued with this issue. See page 6 in this issue.

C-4. Gross and spendable average weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, in current and constant (1977) dollars

Industry	Gross average weekly earnings			Spendable average weekly earnings ²					
	Avq. 1981	Dec. 1981	Jan. 1982P	Worker with no dependents			Married worker with 3 dependents		
				Avq. 1981	Dec. 1981	Jan. 1982P	Avq. 1981	Dec. 1981	Jan. 1982P
TOTAL PRIVATE:									
Current dollars	\$255.20	\$262.24	\$255.19	\$202.00	\$208.34	-	\$220.57	\$226.60	-
Constant (1977) dollars	170.13	169.30	164.21	134.67	134.53	-	147.05	146.29	-
MINING:									
Current dollars	438.62	466.22	456.68	318.48	338.76	-	353.64	375.19	-
Constant (1977) dollars	292.41	300.98	293.67	212.32	218.70	-	235.76	242.21	-
CONSTRUCTION:									
Current dollars	395.60	414.03	383.46	292.75	306.90	-	323.68	338.41	-
Constant (1977) dollars	263.73	267.29	246.76	195.17	198.13	-	215.79	218.47	-
MANUFACTURING:									
Current dollars	317.60	329.57	312.01	244.09	253.83	-	267.36	277.25	-
Constant (1977) dollars	211.73	212.76	200.78	162.73	163.87	-	178.24	178.99	-
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	382.97	396.14	391.02	285.21	295.97	-	314.82	325.79	-
Constant (1977) dollars	255.31	255.74	251.62	190.14	191.37	-	209.88	210.32	-
WHOLESALE AND RETAIL TRADE:									
Current dollars	190.35	193.52	191.89	155.74	158.91	-	171.15	173.64	-
Constant (1977) dollars	126.90	124.93	123.48	103.83	102.59	-	114.10	112.10	-
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	228.69	233.85	238.92	183.53	188.31	-	200.53	204.95	-
Constant (1977) dollars	152.46	150.97	153.75	122.35	121.57	-	133.69	132.31	-
SERVICES:									
Current dollars	208.97	217.12	217.32	169.26	176.24	-	185.35	192.08	-
Constant (1977) dollars	139.31	140.17	139.85	112.84	113.78	-	123.57	124.00	-

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.

p=preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division and major manufacturing group

(1977=100)

Industry division and group	Avq. 1981	Feb. 1981	Dec. 1981	Jan. 1982 ^p	Feb. 1982 ^p
	Hours				
TOTAL PRIVATE	108.5	105.0	108.8	101.3	103.5
GOODS-PRODUCING	101.7	97.5	98.8	87.6	91.6
MINING	132.0	126.2	142.7	133.9	133.4
CONSTRUCTION	111.9	94.1	107.2	83.1	87.7
MANUFACTURING	98.3	96.8	95.1	86.3	90.4
DURABLE GOODS	98.2	97.1	94.2	85.9	89.4
Lumber and wood products	89.0	87.9	78.5	67.0	75.7
Furniture and fixtures	98.9	97.8	98.4	80.4	91.2
Stone, clay, and glass products	92.4	86.7	85.9	75.4	78.0
Primary metal industries	92.3	93.9	83.1	79.1	79.7
Fabricated metal products	95.8	94.9	92.0	83.8	86.4
Machinery, except electrical	110.3	110.0	110.0	101.7	105.0
Electric and electronic equipment	107.2	105.7	104.7	98.1	101.4
Transportation equipment	87.5	85.8	82.6	74.6	77.5
Instruments and related products	111.7	111.4	111.6	104.6	107.7
Miscellaneous manufacturing industries	91.9	87.7	90.8	80.4	83.8
NONDURABLE GOODS	98.3	96.4	96.3	86.8	91.8
Food and kindred products	98.7	94.0	98.5	90.9	91.3
Tobacco manufactures	99.3	97.1	102.0	95.4	96.2
Textile mill products	90.1	90.9	84.8	66.5	80.0
Apparel and other textile products	95.1	92.9	91.7	75.6	87.5
Paper and allied products	99.8	98.3	97.9	93.4	94.4
Printing and publishing	108.8	107.3	112.3	106.6	110.1
Chemicals and allied products	101.3	100.5	99.6	96.2	98.1
Petroleum and coal products	101.7	98.1	95.3	91.6	90.4
Rubber and misc. plastics products	101.2	99.5	97.2	90.6	92.8
Leather and leather products	89.6	88.0	85.0	76.2	77.8
SERVICE-PRODUCING	112.3	109.1	114.3	109.0	110.2
TRANSPORTATION AND PUBLIC UTILITIES	105.2	104.1	104.7	100.6	102.7
WHOLESALE AND RETAIL TRADE	107.3	103.0	111.5	103.3	103.7
WHOLESALE TRADE	111.4	109.2	111.9	108.0	108.5
RETAIL TRADE	105.6	100.7	111.3	101.5	101.9
FINANCE, INSURANCE, AND REAL ESTATE	117.9	116.4	117.8	117.0	116.9
SERVICES	119.3	116.1	123.2	116.6	118.7

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

^p preliminary.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-5. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers' on private nonagricultural payrolls by industry division and major manufacturing group—Continued

(1977=100)

Industry division and group	Avq. 1981	Feb. 1981	Dec. 1981	Jan. 1982P	Feb. 1982P
	Payrolls				
TOTAL PRIVATE	149.9	141.2	154.4	145.7	148.7
GOODS-PRODUCING	142.6	131.8	143.6	129.2	133.6
MINING	191.2	179.2	214.4	205.7	205.9
CONSTRUCTION	148.4	120.9	148.1	118.4	120.9
MANUFACTURING	138.2	132.1	138.2	127.7	133.0
DURABLE GOODS	138.1	132.3	137.0	126.1	131.2
Lumber and wood products	122.3	117.5	110.4	97.0	110.0
Furniture and fixtures	134.5	129.2	138.6	115.9	129.8
Stone, clay, and glass products	131.5	117.7	126.6	112.9	116.4
Primary metal industries	134.7	134.0	124.5	119.8	120.1
Fabricated metal products	133.0	127.1	132.9	121.3	126.0
Machinery, except electrical	155.7	150.4	161.7	149.6	155.0
Electric and electronic equipment	152.2	145.7	154.0	145.7	151.0
Transportation equipment	123.8	116.9	121.3	109.4	114.0
Instruments and related products	157.0	151.5	165.1	156.9	162.7
Miscellaneous manufacturing industries	125.9	117.2	129.2	116.4	121.6
NONDURABLE GOODS	138.5	131.7	140.5	130.6	136.1
Food and kindred products	136.9	126.7	141.0	132.4	131.4
Tobacco manufactures	158.1	149.9	163.9	157.1	162.9
Textile mill products	124.8	121.9	121.8	96.1	115.9
Apparel and other textile products	130.8	125.0	127.8	108.3	125.4
Paper and allied products	144.0	136.6	147.3	142.0	142.3
Printing and publishing	145.7	139.4	156.0	149.6	154.6
Chemicals and allied products	143.6	137.4	147.4	144.7	147.3
Petroleum and coal products	147.7	142.0	141.0	140.7	140.2
Rubber and misc. plastics products	141.8	135.5	140.6	133.4	136.6
Leather and leather products	123.9	119.1	121.1	110.0	113.2
SERVICE-PRODUCING	155.0	147.8	162.0	157.4	159.3
TRANSPORTATION AND PUBLIC UTILITIES	146.3	140.7	151.0	145.8	149.3
WHOLESALE AND RETAIL TRADE	148.6	140.6	156.7	148.8	149.1
WHOLESALE TRADE	156.7	149.4	162.5	159.1	160.0
RETAIL TRADE	144.2	135.8	153.6	143.3	143.2
FINANCE, INSURANCE, AND REAL ESTATE	163.6	159.3	167.6	170.1	170.4
SERVICES	164.4	156.6	172.2	159.7	173.1

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

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

Industry	1981											1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. P	Feb. P
TOTAL PRIVATE	35.2	35.3	35.4	35.3	35.2	35.3	35.2	34.9	35.0	35.0	34.9	34.2	34.9
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
CONSTRUCTION	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
MANUFACTURING	39.8	39.9	40.2	40.3	40.1	40.0	40.0	39.3	39.5	39.3	39.0	37.3	39.1
<i>Overtime hours</i>	2.8	2.8	2.9	3.2	3.0	3.0	3.0	2.7	2.7	2.5	2.4	2.3	2.3
DURABLE GOODS	40.1	40.4	40.8	40.8	40.5	40.5	40.5	39.7	39.9	39.7	39.3	37.9	39.5
<i>Overtime hours</i>	2.8	2.8	3.0	3.2	3.0	3.0	3.0	2.6	2.6	2.4	2.4	2.2	2.2
Lumber and wood products	39.1	39.1	39.6	39.8	39.0	38.8	38.6	37.3	37.6	37.5	37.6	34.7	38.2
Furniture and fixtures	38.6	38.6	38.8	39.0	38.9	38.5	38.6	37.5	38.1	37.7	37.7	32.9	37.6
Stone, clay, and glass products	40.6	40.7	41.2	41.0	40.8	40.9	40.8	40.3	40.0	40.0	39.5	38.2	39.9
Primary metal industries	40.7	41.0	41.2	41.0	40.8	40.5	40.7	40.6	39.8	39.7	39.2	38.4	39.1
Fabricated metal products	40.2	40.4	40.9	40.9	40.7	40.5	40.5	39.5	40.0	39.6	39.2	37.9	39.3
Machinery, except electrical	40.8	40.9	41.3	41.4	41.1	41.1	41.2	40.3	40.7	40.6	40.3	39.0	40.4
Electric and electronic equipment	39.6	40.0	40.2	40.4	40.2	40.5	40.4	39.6	39.9	39.3	39.2	38.1	39.4
Transportation equipment	40.5	40.9	42.0	41.8	41.4	41.2	41.3	39.9	40.5	40.3	39.4	38.8	40.3
Instruments and related products	40.5	40.5	40.1	40.4	40.4	40.5	40.8	40.5	40.4	40.3	39.9	38.5	39.8
Miscellaneous manufacturing and	38.6	38.7	38.9	39.2	39.1	39.2	39.1	38.4	39.0	39.0	38.4	36.6	38.3
NONDURABLE GOODS	39.2	39.2	39.3	39.6	39.4	39.3	39.3	38.9	39.0	38.8	38.6	36.4	38.5
<i>Overtime hours</i>	2.9	2.8	2.9	3.1	3.0	2.9	2.9	2.8	2.8	2.7	2.4	2.4	2.5
Food and kindred products	39.9	39.7	40.1	40.0	39.8	39.4	39.4	39.2	39.5	39.6	39.8	39.0	39.5
Tobacco manufactures	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products	40.0	39.9	39.8	40.5	40.2	40.4	40.3	38.9	39.3	38.8	37.8	31.2	37.5
Apparel and other textile products	35.6	35.7	35.5	36.0	36.1	35.9	36.1	35.2	35.7	35.6	35.1	30.9	34.8
Paper and allied products	42.4	42.4	42.6	42.8	42.7	42.7	42.7	43.1	42.4	41.9	41.8	41.1	42.1
Printing and publishing	37.3	37.1	37.3	37.6	37.4	37.3	37.3	37.1	37.1	36.9	37.2	36.6	37.4
Chemicals and allied products	41.6	41.5	41.5	41.7	41.7	41.8	41.7	42.3	41.5	41.3	41.3	40.8	41.3
Petroleum and coal products	43.8	43.5	44.1	43.8	43.4	43.1	42.8	43.3	42.1	42.3	42.6	44.3	43.7
Rubber and misc. plastics products	40.3	40.5	40.7	41.3	41.0	40.5	40.6	39.6	40.0	39.6	39.4	37.7	39.4
Leather and leather products	37.0	37.1	36.6	37.1	37.4	36.5	36.9	36.1	36.8	36.7	36.1	33.8	34.8
TRANSPORTATION AND PUBLIC UTILITIES	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
WHOLESALE AND RETAIL TRADE	32.2	32.2	32.3	32.1	32.1	32.2	32.1	32.1	31.9	32.0	31.9	31.5	31.9
WHOLESALE TRADE	38.6	38.6	38.6	38.5	38.5	38.7	38.6	38.5	38.5	38.6	38.4	38.1	38.4
RETAIL TRADE	30.2	30.2	30.3	30.1	30.1	30.1	30.1	30.1	29.9	29.9	29.9	29.5	29.9
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
SERVICES	32.8	32.8	32.8	32.7	32.5	32.5	32.4	32.4	32.5	32.6	32.7	32.3	32.5

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

P preliminary.

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

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

(1977=100)

Industry division and group	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
TOTAL PRIVATE	107.9	108.4	108.9	108.9	108.7	109.4	109.2	108.6	108.4	108.0	106.9	104.1	106.5	
GOODS-PRODUCING	100.9	102.4	102.8	103.1	102.6	103.5	103.4	101.1	100.8	99.3	96.8	90.8	95.4	
MINING	128.6	128.2	112.0	113.3	128.0	136.5	139.8	139.0	140.1	141.1	143.0	137.4	136.9	
CONSTRUCTION	109.1	116.6	115.8	112.9	109.3	110.9	110.0	105.2	109.8	111.0	108.4	98.6	105.8	
MANUFACTURING	98.0	98.4	99.9	100.7	100.2	100.5	100.4	98.5	97.2	95.1	92.4	87.2	91.4	
DURABLE GOODS	97.8	98.6	100.7	101.1	100.6	100.9	100.9	98.6	96.9	94.1	90.8	86.2	89.9	
Lumber and wood products	91.7	91.9	94.5	96.1	92.9	92.5	89.8	85.5	82.7	79.6	77.5	70.4	78.9	
Furniture and fixtures	97.4	97.4	100.5	102.6	102.6	102.3	102.3	98.4	98.4	95.1	93.6	80.1	90.6	
Stone, clay, and glass products	92.8	92.7	94.8	94.5	93.9	94.5	94.6	92.5	90.0	88.2	84.9	79.9	83.4	
Primary metal industries	94.0	94.7	95.7	94.8	94.6	93.5	94.4	93.6	89.0	86.4	82.3	78.9	79.8	
Fabricated metal products	95.3	96.2	98.2	98.7	98.4	98.8	98.4	95.5	94.3	91.3	88.0	83.8	86.5	
Machinery, except electrical	108.7	109.1	110.5	111.8	111.5	111.7	112.9	110.9	111.3	109.1	105.1	100.7	103.7	
Electric and electronic equipment	105.3	107.0	108.4	109.6	109.2	110.9	110.5	108.2	107.8	103.1	100.5	97.5	101.1	
Transportation equipment	86.8	88.7	93.3	92.2	91.9	91.1	91.6	88.8	84.7	82.4	76.4	74.2	78.3	
Instruments and related products	111.2	111.5	110.9	112.0	111.7	113.3	113.9	113.0	112.0	110.4	109.0	104.4	107.4	
Miscellaneous manufacturing ind	90.7	90.6	92.0	92.4	92.2	95.4	92.8	91.4	92.2	92.2	90.2	84.0	86.4	
NONDURABLE GOODS	98.3	98.1	98.7	100.1	99.5	99.8	99.5	98.5	97.8	96.4	94.8	88.6	93.6	
Food and kindred products	100.4	99.0	100.5	100.8	98.1	99.4	96.8	96.3	97.8	98.0	97.8	95.3	97.5	
Tobacco manufactures	98.1	96.5	96.5	98.4	98.3	103.2	110.1	103.3	98.1	95.8	93.3	95.2	99.4	
Textile mill products	90.9	90.7	93.7	92.6	92.1	93.7	92.7	89.6	88.7	86.1	82.6	66.6	79.7	
Apparel and other textile products	94.0	94.3	94.1	96.0	96.8	97.6	97.2	95.0	95.2	94.1	91.4	78.9	88.4	
Paper and allied products	99.2	99.1	99.9	100.8	100.7	100.9	101.1	103.0	99.2	97.3	95.8	93.6	95.3	
Printing and publishing	108.2	107.8	108.5	109.5	108.8	109.8	109.3	109.3	109.3	108.4	109.1	107.5	110.9	
Chemicals and allied products	101.1	101.0	101.2	102.0	102.5	102.4	102.2	103.8	101.0	99.6	98.8	96.6	98.6	
Petroleum and coal products	104.6	103.9	105.3	105.4	102.9	102.2	100.7	101.1	97.6	97.3	95.4	96.3	95.8	
Rubber and misc. plastics products	99.3	100.1	102.2	105.3	104.7	103.6	105.0	131.7	100.1	97.0	94.8	90.1	92.4	
Leather and leather products	89.5	89.3	88.5	90.6	91.4	91.4	91.5	89.5	90.8	89.2	84.6	78.0	78.6	
SERVICE-PRODUCING	111.7	111.8	112.3	112.0	112.1	112.6	112.5	112.8	112.7	112.8	112.4	111.4	112.7	
TRANSPORTATION AND PUBLIC UTILITIES	105.4	105.1	105.4	104.9	106.2	106.0	105.2	105.5	104.0	104.7	103.2	102.4	104.3	
WHOLESALE AND RETAIL TRADE	106.8	106.9	107.2	106.9	107.0	107.8	107.9	108.0	107.7	107.3	106.5	105.7	107.3	
WHOLESALE TRADE	111.1	111.1	111.4	111.4	111.3	112.3	112.1	111.8	111.6	111.8	110.8	109.3	110.2	
RETAIL TRADE	105.2	105.4	105.6	105.2	105.3	106.0	106.2	106.6	106.2	105.5	104.9	104.3	106.2	
FINANCE, INSURANCE, AND REAL ESTATE	117.4	117.5	117.8	117.4	117.6	118.1	118.7	118.3	118.5	118.2	118.2	118.0	117.8	
SERVICES	118.2	118.4	119.3	119.2	118.7	119.3	119.0	119.5	120.1	120.8	121.2	119.6	120.8	

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

p=preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED

C-8. Hourly Earnings Index and average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1981												1982	
	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan. p	Feb. p	
Hourly Earnings Index ² (1977=100)														
TOTAL PRIVATE (In current dollars)	135.0	135.8	136.7	137.7	138.4	139.0	140.7	141.5	141.9	143.2	143.5	145.0	145.1	
MINING ³	143.2	144.0	145.7	145.6	147.2	148.9	149.4	151.5	151.3	153.3	153.2	155.9	156.4	
CONSTRUCTION	128.0	128.6	129.0	129.4	130.4	131.8	132.5	132.9	134.3	135.4	136.2	140.6	136.9	
MANUFACTURING	137.5	138.5	139.9	140.7	141.6	142.5	143.6	144.8	145.5	146.4	147.0	148.8	149.3	
TRANSPORTATION AND PUBLIC UTILITIES	135.4	136.1	137.3	138.9	139.8	139.3	141.8	141.7	142.0	144.0	144.4	145.5	146.2	
WHOLESALE AND RETAIL TRADE	135.0	135.8	136.4	137.4	137.8	138.4	140.0	141.2	140.5	141.5	141.9	142.2	142.7	
FINANCE, INSURANCE, AND REAL ESTATE	135.0	136.0	135.4	136.8	137.1	137.4	140.4	140.3	140.9	143.2	141.8	144.0	143.7	
SERVICES	133.2	134.0	134.8	136.0	136.6	136.9	139.4	139.8	140.7	142.6	142.7	143.5	144.0	
TOTAL PRIVATE (In 1977 dollars) ⁴	92.8	92.8	93.1	93.0	92.9	92.2	92.6	92.1	92.3	92.5	92.3	93.0	-	
Average hourly earnings														
TOTAL PRIVATE	\$7.04	\$7.09	\$7.14	\$7.18	\$7.23	\$7.26	\$7.34	\$7.37	\$7.39	\$7.45	\$7.45	\$7.51	\$7.52	
MINING	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
CONSTRUCTION	10.44	10.49	10.52	10.57	10.69	10.77	10.85	10.88	11.01	11.09	11.16	11.52	11.20	
MANUFACTURING	7.74	7.80	7.90	7.95	7.99	8.02	8.08	8.14	8.15	8.18	8.19	8.37	8.34	
TRANSPORTATION AND PUBLIC UTILITIES	9.44	9.48	9.57	9.67	9.74	9.71	9.88	9.88	9.89	9.99	10.03	10.13	10.16	
WHOLESALE AND RETAIL TRADE	5.78	5.81	5.84	5.89	5.91	5.93	5.99	6.05	6.02	6.05	6.08	6.08	6.08	
FINANCE, INSURANCE, AND REAL ESTATE	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	
SERVICES	6.20	6.24	6.27	6.32	6.38	6.42	6.51	6.52	6.58	6.64	6.65	6.70	6.70	
Average weekly earnings														
TOTAL PRIVATE:														
Current dollars	247.81	250.28	252.76	253.45	254.50	256.28	258.37	257.21	258.65	260.75	260.01	256.84	262.45	
1977 dollars ⁴	170.32	171.07	172.18	171.25	170.92	169.95	170.09	167.56	167.74	168.33	167.21	164.75	-	

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

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

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

⁴ The deflator for these series is derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W). Data revised, see page 120.

⁵ See footnote 2, table C-6.

⁶ See footnote 2, table C-4.
p=preliminary.

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

Industry division	Millions of hours (Annual rate) ²			Percent change		
	December r1981	January r1981	February p1982	Feb. 1981 to Feb. 1982	Dec. 1981 to Jan. 1982	Jan. 1982 to Feb. 1982
TOTAL	169,940	165,847	170,018	-0.9	-2.4	2.5
PRIVATE SECTOR	138,717	136,474	138,856	-0.8	-1.6	1.7
MINING	2,775	2,708	2,702	7.2	-2.4	-0.2
CONSTRUCTION	8,141	7,675	7,965	-4.7	-5.7	3.8
MANUFACTURING	40,525	39,099	40,169	-4.8	-3.5	2.7
DURABLE GOODS	24,344	23,600	24,144	-5.6	-3.1	2.3
NONDURABLE GOODS	16,181	15,499	16,026	-3.5	-4.2	3.4
TRANSPORTATION AND PUBLIC UTILITIES	10,440	10,399	10,539	-0.7	-0.4	1.3
WHOLESALE AND RETAIL TRADE	34,612	34,625	35,084	0.8	0.0	1.3
FINANCE, INSURANCE, AND REAL ESTATE	10,132	10,124	10,150	1.2	-0.1	0.3
SERVICES	32,092	31,844	32,247	2.5	-0.8	1.3
GOVERNMENT	31,223	29,373	31,162	-1.5	-5.9	6.1

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

(1977 = 100)

Item	Annual average		Quarterly indexes										
			1979			1980				1981			
	1980	1981	II	III	IV	I	II	III	IV	I	II	III	IV
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	99.3	100.4	99.7	99.4	99.1	99.5	99.1	99.4	99.1	100.3	101.2	100.9	r99.2
Output	106.8	108.9	107.1	107.7	108.2	108.7	105.4	105.7	107.5	109.5	109.5	109.4	r107.5
Hours	107.5	108.5	107.4	108.4	109.1	109.2	106.4	106.3	108.4	109.2	108.2	108.4	108.4
Compensation per hour	131.5	144.6	118.1	120.7	123.2	126.4	130.1	133.1	135.9	139.8	143.3	146.5	148.5
Real compensation per hour	96.7	96.4	100.3	99.2	98.0	96.7	96.6	96.9	96.0	96.1	96.9	96.3	95.8
Unit labor costs	132.4	r144.0	118.5	121.4	124.3	127.0	131.3	133.9	137.1	139.4	141.6	145.2	r149.7
Unit nonlabor payments	118.3	r130.5	110.4	111.5	112.2	115.2	116.0	119.7	122.7	127.6	129.3	132.4	r132.5
Implicit price deflator	127.6	r139.4	115.8	118.1	120.2	123.0	126.1	129.1	132.2	135.4	137.5	140.9	r143.9
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	98.8	99.7	99.1	98.9	98.8	98.9	98.2	99.0	99.0	100.0	100.4	99.9	r98.2
Output	106.8	r108.8	107.1	107.8	108.2	108.5	105.1	105.8	107.7	109.7	109.4	109.0	r106.9
Hours	108.1	109.1	108.0	109.0	109.4	109.7	107.0	106.9	108.8	109.7	109.0	109.1	108.8
Compensation per hour	130.8	143.9	117.7	120.2	123.0	126.0	129.4	132.3	135.4	139.2	142.4	145.7	r147.9
Real compensation per hour	96.2	95.9	100.0	98.8	97.8	96.4	96.0	96.3	95.7	95.7	96.3	95.8	r95.4
Unit labor costs	132.4	r144.3	118.7	121.5	124.4	127.4	131.8	133.6	136.8	139.1	141.9	145.8	r150.6
Unit nonlabor payments	117.6	r130.3	107.7	109.2	110.1	113.9	115.1	119.2	122.0	127.8	128.7	132.2	r132.7
Implicit price deflator	127.4	139.6	115.1	117.4	119.7	122.9	126.3	128.8	131.9	135.3	137.5	141.2	r144.6
MANUFACTURING:													
Output per hour of all persons	101.7	104.5	102.3	102.0	102.1	102.0	100.7	100.7	103.2	104.2	105.2	105.5	r102.5
Output	103.6	106.3	108.5	108.5	108.2	108.0	101.6	99.9	105.1	107.0	107.8	107.8	102.4
Hours	101.9	101.7	106.1	106.4	106.0	r105.8	100.9	99.2	101.8	102.7	102.5	102.2	r99.9
Compensation per hour	131.6	146.2	118.6	119.8	122.3	125.4	130.0	133.9	137.3	141.1	144.8	148.0	150.7
Real compensation per hour	96.8	97.4	100.7	98.5	97.2	96.0	96.5	97.5	97.0	97.1	97.9	97.3	97.2
Unit labor costs	129.4	140.0	115.9	117.5	119.8	122.9	129.0	133.0	133.0	135.5	137.6	140.3	r147.0
DURABLE GOODS													
Output per hour of all persons	99.7	102.8	101.6	100.1	100.3	99.9	99.0	98.4	101.2	102.5	103.8	103.9	r100.7
Output	102.9	105.7	110.4	109.5	109.1	108.4	100.7	98.1	104.2	106.4	107.7	107.4	101.2
Hours	103.2	102.8	108.6	109.3	108.7	r108.4	101.8	99.7	103.0	103.9	103.7	103.3	r100.5
Compensation per hour	131.7	146.9	118.4	119.3	121.5	125.2	130.0	134.2	137.8	141.7	145.3	148.7	r151.4
Real compensation per hour	96.9	97.9	100.6	98.1	96.6	95.8	96.5	97.7	97.4	97.4	98.3	97.7	97.7
Unit labor costs	132.1	r142.8	116.6	119.2	121.1	125.2	131.4	136.4	136.2	138.3	140.0	143.0	r150.4
NONDURABLE GOODS													
Output per hour of all persons	104.9	106.9	103.5	105.0	104.9	105.3	103.4	104.3	106.4	106.9	107.4	108.0	105.2
Output	104.8	107.1	105.9	107.0	107.0	107.4	102.9	102.6	106.3	107.8	108.0	108.5	104.3
Hours	99.9	100.2	102.2	101.9	102.0	102.0	99.5	98.4	99.9	100.9	100.6	100.5	99.1
Compensation per hour	130.9	144.7	118.2	119.9	122.9	125.0	129.6	133.3	136.0	139.7	143.3	146.4	r149.2
Real compensation per hour	96.3	96.4	100.3	98.5	97.7	95.7	96.2	97.1	96.1	96.1	96.9	96.2	96.2
Unit labor costs	124.8	135.3	114.1	114.2	117.2	118.7	125.3	127.8	127.8	130.7	133.5	135.6	r141.8
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	101.0	p103.5	100.7	100.5	99.9	100.2	100.1	101.8	101.8	103.3	103.9	103.8	N.A.
Output	108.5	p112.2	109.0	109.4	109.3	109.9	106.8	107.7	109.7	112.8	112.8	112.8	N.A.
Hours	107.5	p108.5	108.3	108.9	109.4	109.6	106.7	105.8	107.8	109.1	108.6	108.7	N.A.
Compensation per hour	130.7	p143.9	117.6	120.1	122.7	125.7	129.3	132.5	135.5	139.2	142.3	145.5	N.A.
Real compensation per hour	96.2	p 95.9	99.9	98.7	97.5	96.2	95.9	96.5	95.7	95.7	96.2	95.6	N.A.
Total unit costs	129.7	p140.9	115.3	118.2	121.3	124.2	129.2	131.1	134.1	136.0	138.7	142.2	N.A.
Unit labor costs	129.4	p139.1	116.8	119.5	122.8	125.4	129.1	130.2	133.1	134.7	137.0	140.2	N.A.
Unit nonlabor costs	130.2	p146.1	111.2	114.6	117.2	120.9	129.3	133.8	136.9	139.5	143.6	147.7	N.A.
Unit profits	90.2	p103.4	100.7	97.5	92.2	95.5	83.4	89.1	92.4	106.8	102.8	106.7	N.A.
Implicit price deflator	125.2	p136.7	113.7	115.9	118.1	121.0	124.1	126.4	129.5	132.7	134.7	138.2	N.A.

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

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

Item	Quarterly percent change						Annual percent change					
	II 1980 to	III 1980 to	IV 1980 to	I 1981 to	II 1981 to	III 1981 to	III 1979 to	IV 1979 to	I 1980 to	II 1980 to	III 1980 to	IV 1980 to
	II 1980	IV 1980	I 1981	II 1981	III 1981	IV 1981	III 1980	IV 1980	I 1981	II 1981	III 1981	IV 1981
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	1.3	-1.1	4.7	3.5	-1.1	r-6.5	0.0	0.0	0.8	2.1	1.5	r0.0
Output	1.1	6.9	7.9	-0.1	-0.3	r-6.8	-1.9	-0.7	0.8	3.9	3.5	r0.0
Hours	-0.2	8.1	3.0	r-3.5	0.8	-0.2	-1.9	-0.7	0.0	1.7	2.0	0.0
Compensation per hour	9.5	8.6	11.9	10.4	9.3	r 5.5	10.3	10.3	10.6	10.1	10.1	9.3
Real compensation per hour	1.6	-3.8	0.5	3.2	-2.3	r-2.1	-2.3	-2.0	-0.6	0.3	-0.6	-0.2
Unit labor costs	8.1	9.8	6.9	6.6	10.6	r12.9	10.3	10.3	9.7	7.8	8.5	r9.2
Unit nonlabor payments	13.7	10.2	17.1	5.3	10.1	r0.0	7.4	9.3	10.8	11.5	10.6	r8.0
Implicit price deflator	9.8	9.9	10.0	6.2	10.4	r8.7	9.4	10.0	10.1	9.0	9.1	r8.8
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	3.6	-0.2	4.4	1.4	r-1.7	r-6.8	0.2	0.2	1.2	2.3	0.9	r-0.8
Output	2.9	7.1	7.9	-1.1	-1.4	r-7.7	-1.8	-0.5	1.1	4.1	3.0	r-0.7
Hours	-0.7	7.3	3.4	-2.5	0.4	r-1.0	-1.9	-0.6	-0.1	1.8	2.1	0.1
Compensation per hour	9.0	9.8	11.7	9.6	9.5	r6.2	10.1	10.1	10.5	10.0	10.2	r9.2
Real compensation per hour	1.2	-2.7	0.3	2.5	-2.2	r-1.5	-2.5	-2.2	-0.7	0.3	-0.6	-0.2
Unit labor costs	5.3	10.1	7.0	8.1	11.5	r14.0	9.9	9.9	9.2	7.6	9.2	r10.1
Unit nonlabor payments	15.0	9.9	r20.2	3.0	11.3	r1.6	9.1	10.8	12.2	11.8	10.9	r8.8
Implicit price deflator	8.2	10.0	11.0	6.5	11.4	r10.0	9.6	10.2	10.1	8.9	9.7	r9.7
MANUFACTURING:												
Output per hour of all persons	- 0.1	10.3	3.8	r4.0	1.2	r-11.0	-1.2	1.1	2.1	4.5	4.8	r-0.7
Output	-6.6	22.4	7.5	3.3	- 0.1	-18.5	-7.9	-2.9	-0.9	6.1	7.9	-2.5
Hours	r-6.6	11.0	3.6	-0.8	-1.2	r-8.5	-6.8	-4.0	-3.0	1.6	3.0	r-1.8
Compensation per hour	12.7	10.5	11.6	10.8	9.3	r 7.4	11.8	12.3	12.5	11.4	10.5	9.8
Real compensation per hour	r4.6	-2.2	0.2	3.5	-2.4	r-0.4	-1.0	-0.2	1.1	1.5	-0.2	0.2
Unit labor costs	12.8	0.1	7.5	6.5	8.0	r20.7	13.2	11.0	10.2	6.6	5.5	r10.5
DURABLE GOODS												
Output per hour of all persons	-2.5	11.9	5.2	5.5	0.4	r-11.9	-1.8	0.8	2.5	4.9	5.7	-0.5
Output	-10.2	27.7	8.7	5.0	-1.3	-21.1	-10.5	-4.5	-1.8	6.9	9.5	-2.9
Hours	-8.0	14.1	3.4	-0.5	-1.7	r-10.5	-8.8	-5.2	-4.2	1.9	3.6	r-2.5
Compensation per hour	13.4	11.2	11.8	10.7	9.5	r 7.6	12.4	13.4	13.2	11.8	10.8	r9.9
Real compensation per hour	5.2	-1.4	0.3	3.5	-2.1	r-0.2	-0.4	0.8	1.7	1.9	0.0	r0.3
Unit labor costs	16.3	-0.6	6.3	4.9	9.1	r22.1	14.5	12.5	10.4	6.5	4.9	r10.4
NONDURABLE GOODS												
Output per hour of all persons	3.4	8.2	1.8	1.9	2.3	r-9.8	-0.6	1.4	1.5	3.8	3.5	-1.1
Output	-1.1	15.2	5.8	0.7	1.7	r-14.6	-4.1	-0.6	0.4	5.0	5.7	-1.9
Hours	-4.3	6.4	3.9	r-1.1	-0.6	r-5.3	-3.5	-2.1	-1.0	1.1	2.1	-0.8
Compensation per hour	11.9	8.2	11.4	r10.7	8.9	r 7.8	11.2	10.6	11.7	10.5	9.8	r9.7
Real compensation per hour	3.8	-4.2	0.0	3.5	-2.7	r0.0	-1.5	-1.7	0.4	0.7	-0.9	r0.2
Unit labor costs	8.3	-0.1	9.4	8.7	6.5	r19.6	11.9	9.0	10.1	6.5	6.1	10.9
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	6.7	0.0	6.3	2.2	-0.5	N.A.	1.3	1.9	3.1	3.8	2.0	N.A.
Output	3.4	7.9	11.5	0.1	-0.1	N.A.	-1.6	0.4	2.6	5.6	4.7	N.A.
Hours	-3.1	7.9	4.8	-2.0	0.4	N.A.	-2.8	-1.5	-0.5	1.8	2.7	N.A.
Compensation per hour	10.2	9.4	11.4	9.3	9.2	N.A.	10.3	10.4	10.8	10.1	9.8	N.A.
Real compensation per hour	2.2	-3.1	0.0	2.1	-2.5	N.A.	-2.2	-1.9	-0.5	0.3	-0.9	N.A.
Total unit costs	6.2	9.4	5.6	8.4	10.3	N.A.	11.0	10.5	9.5	7.4	8.4	N.A.
Unit labor costs	3.2	9.4	4.8	7.0	9.7	N.A.	8.9	8.4	7.4	6.1	7.7	N.A.
Unit nonlabor costs	14.7	9.5	7.9	12.3	11.8	N.A.	16.8	16.8	15.4	11.1	10.4	N.A.
Unit profits	30.3	15.7	77.9	-13.9	15.7	N.A.	-8.6	0.3	11.8	23.3	19.7	N.A.
Implicit price deflator	7.9	9.9	10.4	6.2	10.7	N.A.	9.1	9.6	9.7	8.6	9.3	N.A.

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p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
ALABAMA ¹	\$274.00	\$286.80	\$228.05	40.0	40.0	29.2	\$6.85	\$7.17	\$7.81
Birmingham	313.24	332.00	(*)	39.6	40.0	(*)	7.01	8.30	(*)
Mobile	343.44	375.46	315.02	40.5	40.9	33.2	8.48	9.18	9.46
ALASKA	394.23	430.19	(*)	32.5	33.9	(*)	12.13	12.69	(*)
ARIZONA ¹	311.25	352.46	336.21	39.7	40.7	38.6	7.84	9.66	9.71
Phoenix	310.95	343.88	324.43	40.7	40.6	38.9	7.64	8.47	9.34
Tucson	289.71	340.57	322.79	37.0	40.4	38.2	7.83	8.43	8.45
ARKANSAS ¹	240.77	255.84	229.47	39.6	39.3	34.3	6.08	6.51	6.69
Fayetteville—Springdale	218.20	229.90	228.38	39.6	38.0	37.5	5.51	6.05	6.09
Fort Smith	233.02	248.71	224.79	38.2	38.5	33.5	6.10	6.46	6.71
Little Rock—North Little Rock	274.87	298.62	257.96	39.1	39.5	33.2	7.03	7.56	7.77
Pine Bluff	312.83	345.02	328.56	41.6	42.7	38.7	7.52	8.08	8.49
CALIFORNIA ¹	322.34	364.50	356.80	39.6	40.5	39.6	8.14	9.00	9.01
Anaheim—Santa Ana—Garden Grove	314.11	344.35	(*)	40.9	40.8	(*)	7.68	8.44	(*)
Bakersfield	354.55	370.64	(*)	40.8	40.2	(*)	8.69	9.22	(*)
Fresno	288.04	304.72	(*)	38.0	37.9	(*)	7.58	9.04	(*)
Los Angeles—Long Beach	309.25	343.92	(*)	39.8	40.7	(*)	7.77	8.45	(*)
Modesto	310.42	348.25	(*)	38.9	40.4	(*)	7.98	8.62	(*)
Oxnard—Simi Valley—Ventura	276.36	319.56	(*)	39.2	40.4	(*)	7.05	7.91	(*)
Riverside—San Bernardino—Ontario	324.00	341.68	(*)	40.0	39.5	(*)	8.10	8.65	(*)
Sacramento	336.40	359.04	(*)	38.8	38.4	(*)	8.67	9.35	(*)
Salinas—Seaside—Monterey	280.55	308.47	(*)	36.2	37.3	(*)	7.75	8.27	(*)
San Diego	301.82	351.01	(*)	38.4	40.3	(*)	7.86	8.71	(*)
San Francisco—Oakland	291.05	419.89	(*)	39.5	39.5	(*)	9.90	10.62	(*)
San Jose	335.36	385.40	(*)	39.5	41.8	(*)	8.49	9.22	(*)
Santa Barbara—Santa Maria—Lompoc	281.47	312.39	(*)	38.4	39.0	(*)	7.33	8.01	(*)
Santa Rosa	280.44	303.78	(*)	38.0	38.6	(*)	7.38	7.87	(*)
Stockton	340.81	362.48	(*)	39.4	39.4	(*)	8.65	9.20	(*)
Vallejo—Fairfield—Napa	332.63	404.64	(*)	37.5	38.5	(*)	8.87	10.51	(*)
COLORADO ¹	318.00	331.50	327.41	39.8	39.7	39.4	7.99	8.35	8.31
Denver—Boulder	317.59	334.27	328.94	39.6	39.7	39.3	8.02	8.42	8.37
CONNECTICUT ¹	314.91	331.52	(*)	42.1	41.7	(*)	7.48	7.95	(*)
Bridgeport	327.17	342.98	(*)	42.6	42.5	(*)	7.68	8.07	(*)
Hartford	338.44	352.80	(*)	42.2	41.9	(*)	8.02	8.42	(*)
New Britain	328.02	331.23	(*)	42.6	41.3	(*)	7.70	9.02	(*)
New Haven—West Haven	285.20	308.43	(*)	40.0	39.9	(*)	7.13	7.73	(*)
Stamford	285.89	304.47	(*)	40.9	41.2	(*)	6.99	7.39	(*)
Waterbury	270.30	271.17	(*)	42.3	41.4	(*)	6.39	6.55	(*)
DELAWARE ¹	317.94	328.89	302.37	39.3	39.2	37.1	8.09	8.39	8.15
Wilmington	366.00	380.63	377.51	40.0	39.2	38.6	9.15	9.71	9.78
DISTRICT OF COLUMBIA ¹									
Washington SMSA	340.29	359.83	343.60	39.8	38.9	37.8	8.55	9.25	9.09
FLORIDA ¹	259.15	281.54	277.26	41.2	41.1	40.3	6.29	6.85	6.88
Fort Lauderdale—Hollywood	236.81	269.42	259.53	39.8	41.9	40.3	5.95	6.43	6.44
Jacksonville	309.64	341.06	(*)	41.9	42.9	(*)	7.39	7.95	(*)
Lakeland—Winter Haven	308.98	308.96	293.18	47.1	43.7	42.8	6.56	7.07	6.85
Miami	217.60	231.49	227.55	40.0	40.4	39.3	5.44	5.73	5.79
Orlando	275.76	319.12	309.67	42.1	44.2	43.8	6.55	7.22	7.07
Pensacola	316.99	355.15	336.19	41.6	43.9	41.2	7.62	8.00	8.15
Tampa—St. Petersburg	261.62	277.16	271.60	41.2	41.0	40.0	6.35	6.76	6.79
West Palm Beach—Boca Raton	286.45	314.08	320.74	42.5	42.5	41.6	6.74	7.29	7.71
GEORGIA	249.24	264.67	(*)	40.2	39.8	(*)	6.20	6.65	(*)
Atlanta	288.95	315.19	(*)	39.8	39.3	(*)	7.26	8.02	(*)
Savannah	338.87	365.59	(*)	43.5	44.1	(*)	7.79	8.29	(*)
HAWAII ¹	(*)	299.86	298.68	(*)	39.3	38.0	(*)	7.63	7.86
Honolulu	(*)	298.36	301.18	(*)	38.9	37.6	(*)	7.67	8.01
IDAHO ¹	305.52	324.53	311.54	38.0	39.1	37.0	8.04	8.30	8.42
Boise City	260.63	306.78	330.00	36.3	38.3	40.0	7.18	8.01	8.25

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
ILLINOIS	\$345.66	\$371.33	\$357.44	40.1	40.1	38.6	\$9.62	\$9.26	\$9.26
Bloomington—Normal.....	292.50	347.76	338.52	39.0	41.4	39.5	7.50	8.40	8.57
Champaign—Urbana—Rantoul.....	289.11	329.73	339.29	38.6	39.3	40.2	7.49	8.39	8.44
Chicago SMSA.....	310.85	333.59	318.47	39.1	39.2	37.6	7.95	8.51	8.47
Davenport—Rock Island—Moline.....	409.60	442.73	422.78	40.0	38.7	38.4	10.24	11.44	11.01
Decatur.....	381.23	445.90	441.83	39.1	39.6	39.1	9.75	11.26	11.30
Kankakee.....	296.21	292.30	293.09	40.3	37.0	37.1	7.35	7.90	7.90
Peoria.....	420.79	492.50	479.62	39.4	39.4	38.4	10.68	12.50	12.49
Rockford.....	332.52	379.32	366.52	40.7	40.7	39.2	8.17	9.32	9.35
Springfield.....	343.85	411.25	410.80	40.5	40.2	40.0	8.49	10.23	10.27
INDIANA	369.05	384.64	374.60	40.6	39.9	38.5	9.09	9.64	9.73
Gary—Hammond—East Chicago.....	494.21	498.07	(*)	41.6	38.7	(*)	11.88	12.87	(*)
Indianapolis.....	364.27	393.57	(*)	40.7	40.7	(*)	8.95	9.67	(*)
IOWA ¹	375.44	399.59	359.27	40.5	39.8	36.4	9.27	10.04	9.87
Cedar Rapids ¹	369.46	408.59	364.79	40.6	40.9	37.3	9.10	9.99	9.78
Des Moines ¹	381.64	420.68	413.70	40.3	39.5	38.7	9.47	10.65	10.69
Dubuque ¹	421.45	438.20	335.25	40.1	39.8	37.5	10.51	11.01	8.94
Sioux City ¹	340.70	295.16	299.41	40.9	37.6	37.9	8.33	7.85	7.90
Waterloo—Cedar Falls ¹	501.43	499.32	450.23	40.9	38.0	34.5	12.26	13.14	13.05
KANSAS ¹	315.75	344.29	345.06	40.9	40.6	40.5	7.72	8.48	8.52
Topeka ¹	322.58	328.10	350.35	39.1	37.2	38.5	8.25	8.82	9.10
Wichita ¹	355.63	389.51	386.88	41.4	42.2	41.6	8.59	9.23	9.30
KENTUCKY ¹	303.20	308.41	307.73	40.0	38.6	37.3	7.58	7.99	8.25
Lexington—Fayette.....	290.32	317.99	(*)	38.0	39.6	(*)	7.64	8.33	(*)
Louisville.....	364.18	396.73	(*)	40.6	40.9	(*)	8.97	9.70	(*)
LOUISIANA ¹	341.55	381.92	326.18	41.4	43.4	34.7	8.25	8.80	9.40
Baton Rouge ¹	439.10	461.07	434.33	41.7	42.2	37.9	10.53	10.90	11.46
New Orleans ¹	343.20	363.17	302.58	41.2	41.6	34.9	8.33	8.73	8.67
Shreveport ¹	289.14	344.37	294.00	39.5	43.1	33.6	7.32	7.99	8.75
MAINE ¹	260.58	281.07	276.71	40.4	40.5	39.7	6.45	6.94	6.97
Lewiston—Auburn ¹	205.09	217.74	214.64	37.7	38.0	37.2	5.44	5.72	5.77
Portland ¹	246.64	265.67	265.34	39.4	39.3	38.4	6.26	6.76	6.91
MARYLAND ¹	323.59	346.98	330.33	39.9	40.3	38.1	8.11	8.61	8.67
Baltimore ¹	339.25	367.28	348.81	40.1	40.9	38.5	8.46	9.98	9.06
MASSACHUSETTS	272.92	290.56	(*)	39.9	40.3	(*)	6.84	7.21	(*)
Boston.....	295.42	314.34	(*)	39.6	40.3	(*)	7.46	7.80	(*)
Brockton.....	220.00	224.64	(*)	40.0	39.0	(*)	5.50	5.76	(*)
Fall River.....	(*)	209.16	(*)	(*)	36.0	(*)	(*)	5.81	(*)
Lawrence—Haverhill.....	285.31	295.60	(*)	40.7	39.1	(*)	7.01	7.56	(*)
Lowell.....	250.43	273.24	(*)	39.5	41.4	(*)	6.34	6.60	(*)
New Bedford.....	227.40	235.01	(*)	37.9	36.1	(*)	6.00	6.51	(*)
Springfield—Chicopee—Holyoke.....	277.16	296.61	(*)	41.0	41.6	(*)	6.76	7.13	(*)
Worcester.....	274.92	294.78	(*)	39.5	39.2	(*)	6.96	7.52	(*)
MICHIGAN	417.41	437.78	(*)	41.1	40.2	(*)	10.16	10.89	(*)
Ann Arbor.....	439.73	474.38	(*)	41.5	41.7	(*)	10.60	11.37	(*)
Battle Creek.....	408.75	454.91	(*)	41.2	41.4	(*)	9.92	10.96	(*)
Bay City.....	372.89	378.09	(*)	41.4	40.9	(*)	9.01	9.24	(*)
Detroit.....	446.82	476.68	(*)	41.3	41.2	(*)	10.82	11.57	(*)
Flint.....	479.91	479.67	(*)	41.8	38.6	(*)	11.48	12.39	(*)
Grand Rapids.....	249.20	361.48	(*)	40.9	40.0	(*)	8.54	9.02	(*)
Jackson.....	389.36	393.34	(*)	44.0	41.8	(*)	8.85	9.41	(*)
Kalamazoo—Portage.....	385.32	397.40	(*)	41.0	39.7	(*)	9.40	10.01	(*)
Lansing—East Lansing.....	441.71	457.47	(*)	39.5	38.0	(*)	11.47	12.04	(*)
Muskegon—Norton Shores—Muskegon Heights.....	365.79	384.07	(*)	41.3	40.7	(*)	8.86	9.43	(*)
Saginaw.....	449.41	499.19	(*)	41.1	39.9	(*)	12.15	12.50	(*)
MINNESOTA	320.36	352.08	346.04	39.6	40.1	39.1	8.09	8.78	8.85
Duluth—Superior.....	300.29	354.38	350.92	38.4	41.4	40.9	7.82	8.56	8.58
Minneapolis—St. Paul.....	335.81	372.37	364.95	39.6	40.3	39.2	8.48	9.24	9.31
St. Cloud.....	237.40	266.08	262.67	36.3	36.4	35.4	6.54	7.31	7.42

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1981	DEC. 1981	JAN. 1982 P	JAN. 1981	DEC. 1981	JAN. 1982 P	JAN. 1981	DEC. 1981	JAN. 1982 P
MISSISSIPPI	\$226.39	\$241.34	\$178.75	39.1	38.8	28.6	\$5.79	\$6.22	\$6.25
Jackson.....	254.00	271.17	198.12	40.0	40.9	31.2	6.35	6.63	6.25
MISSOURI ¹	301.65	321.93	317.57	39.1	39.5	38.4	7.72	8.15	8.27
Kansas City ¹	349.20	360.99	358.94	40.0	39.8	39.1	8.73	9.07	9.18
St. Joseph ¹	291.53	297.21	297.89	40.1	38.3	37.9	7.27	7.76	7.86
St. Louis ¹	339.78	373.33	361.82	39.1	40.1	39.2	8.69	9.31	9.23
Springfield ¹	286.80	294.49	300.05	40.0	38.8	39.9	7.17	7.59	7.52
MONTANA ¹	369.14	357.76	326.55	41.9	38.1	33.7	8.81	9.39	9.69
NEBRASKA ¹	326.68	326.84	334.54	41.3	40.5	40.6	7.91	9.07	8.24
Lincoln ¹	280.06	319.37	312.91	38.0	38.9	37.7	7.37	8.21	8.37
Omaha ¹	318.00	352.56	341.35	39.8	40.9	39.6	7.99	8.62	8.62
NEVADA	294.89	339.39	322.61	38.1	39.1	37.6	7.74	8.68	8.58
Las Vegas.....	376.11	(*)	(*)	30.8	(*)	(*)	9.45	(*)	(*)
NEW HAMPSHIRE ¹	(*)	269.07	263.93	(*)	40.1	39.1	(*)	6.71	6.75
Manchester ¹	(*)	249.48	245.94	(*)	39.6	39.1	(*)	6.30	6.29
Nashua ¹	(*)	312.08	293.57	(*)	41.5	39.3	(*)	7.52	7.47
NEW JERSEY	314.98	336.19	329.57	40.8	41.2	39.9	7.72	8.16	8.26
Atlantic City.....	229.04	247.36	226.08	35.9	36.7	34.1	6.39	6.74	6.63
Camden ²	323.87	351.10	350.38	41.1	41.6	40.6	7.88	8.44	8.63
Hackensack ²	282.49	305.12	286.30	41.3	41.4	38.9	6.84	7.37	7.36
Jersey City ³	308.73	319.60	318.27	41.0	39.9	39.1	7.53	8.01	8.14
New Brunswick—Perth Amboy—Sayreville.....	373.58	396.03	387.69	42.5	43.0	41.2	8.79	9.21	9.41
Newark ²	326.72	348.59	341.60	41.2	41.4	40.0	7.93	8.42	8.54
Paterson—Clifton—Passaic ²	308.90	319.37	301.79	41.7	42.3	40.4	4.22	7.55	7.47
Trenton.....	316.29	326.70	310.48	39.0	38.8	36.7	8.11	8.42	8.46
NEW MEXICO ¹	247.38	279.86	261.21	39.9	40.5	38.3	6.20	6.91	6.82
Albuquerque ¹	250.92	291.10	261.46	41.0	40.6	34.0	6.12	7.17	7.69
NEW YORK	303.76	322.34	310.90	39.5	39.6	38.1	7.69	8.14	8.15
Albany—Schenectady—Troy.....	322.80	342.74	330.51	40.0	40.9	39.3	8.07	8.38	8.41
Binghamton.....	284.69	306.08	295.47	41.2	41.7	40.8	6.91	7.34	7.34
Buffalo.....	395.20	418.18	382.13	40.0	40.6	37.1	9.88	10.30	10.30
Elmira.....	296.68	318.35	323.20	40.2	39.4	40.4	7.38	8.08	8.00
Monroe County.....	433.93	450.84	421.86	42.5	41.9	39.5	10.21	10.76	10.68
Nassau—Suffolk ²	288.72	315.46	306.54	40.1	40.6	39.0	7.20	7.77	7.86
New York—Northeastern New Jersey.....	287.56	(*)	(*)	39.5	(*)	(*)	7.28	(*)	(*)
New York and Nassau—Suffolk ²	260.37	281.53	275.65	37.9	38.2	37.1	6.87	7.37	7.43
New York SMSA ⁴	252.89	271.88	266.81	37.3	37.5	36.6	6.78	7.25	7.29
New York City ⁴	249.75	267.81	265.36	37.0	37.3	36.4	6.75	7.18	7.29
Poughkeepsie.....	308.48	342.42	335.38	41.8	43.9	42.4	7.39	7.80	7.91
Rochester.....	406.81	416.66	395.53	42.2	41.5	39.2	9.54	10.04	10.09
Rockland County ⁵	290.50	323.21	309.24	40.8	40.3	38.8	7.12	9.02	7.97
Syracuse.....	339.46	361.27	346.42	41.6	41.1	39.5	8.16	8.79	8.77
Utica—Rome.....	280.10	305.88	306.11	39.9	40.3	39.6	7.02	7.59	7.73
Westchester County ²	275.32	296.06	263.30	39.5	38.6	37.4	6.97	7.67	7.04
NORTH CAROLINA ¹	223.68	238.70	193.98	38.9	38.5	30.5	5.75	6.20	6.36
Asheville ¹	218.40	234.00	199.70	39.0	39.0	32.9	5.60	6.00	6.07
Charlotte—Gastonia ¹	232.18	241.30	184.44	40.1	39.3	29.0	5.79	6.14	6.36
Greensboro—Winston-Salem—High Point ¹	249.85	261.12	215.68	39.1	38.4	30.9	6.39	6.80	6.98
Raleigh—Durham ¹	256.11	287.43	236.84	39.1	40.2	30.6	6.55	7.15	7.74
NORTH DAKOTA ¹	260.60	286.21	273.70	38.1	39.1	37.7	6.84	7.32	7.26
Fargo—Moorhead ¹	278.55	307.28	285.22	36.7	39.7	38.7	7.59	7.74	7.37
OHIO	376.89	398.21	390.46	41.1	40.8	39.6	9.17	9.76	9.86
Akron.....	385.98	411.70	394.79	42.0	42.4	40.7	9.19	9.71	9.70
Canton.....	368.02	405.62	395.79	39.7	40.2	39.5	9.27	10.09	10.02
Cincinnati.....	355.28	374.83	367.72	41.7	41.1	40.1	8.52	9.12	9.17
Cleveland.....	381.51	395.76	389.27	41.2	40.8	39.6	9.26	9.70	9.83
Columbus.....	331.63	362.39	353.92	40.1	40.4	39.5	8.27	8.97	8.96
Dayton.....	388.64	412.23	398.00	41.7	41.1	39.8	9.32	10.03	10.00
Toledo.....	388.82	429.52	419.20	40.8	41.3	40.0	9.53	10.40	10.48
Youngstown—Warren.....	470.61	451.61	455.39	41.5	39.1	39.5	11.24	11.55	11.63

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
OKLAHOMA ¹	\$315.17	\$344.97	\$336.40	40.2	40.3	38.8	\$7.84	\$8.56	\$8.67
Oklahoma City ¹	323.21	352.23	351.30	40.1	39.8	39.0	8.06	8.85	9.01
Tulsa ¹	334.92	375.50	363.92	40.4	41.4	39.6	8.29	9.07	9.19
OREGON	342.00	358.56	(*)	37.5	36.7	(*)	9.12	9.77	(*)
Eugene—Springfield	375.65	377.94	(*)	39.5	39.7	(*)	9.51	9.52	(*)
Jackson County	323.76	(*)	(*)	36.5	(*)	(*)	8.87	(*)	(*)
Portland	336.87	375.29	(*)	37.1	38.1	(*)	9.08	9.85	(*)
Salem	332.33	329.57	(*)	36.6	35.4	(*)	9.08	9.31	(*)
PENNSYLVANIA ¹	317.52	332.67	326.14	39.2	39.0	38.1	8.10	8.53	8.56
Allentown—Bethlehem—Easton ¹	321.98	346.24	348.00	38.7	38.6	38.2	8.32	8.97	9.11
Altoona ¹	269.37	274.90	277.40	38.1	37.3	38.0	7.07	7.37	7.33
Delaware Valley ¹	323.16	345.14	329.84	39.7	39.9	38.0	8.14	8.65	8.68
Erie ¹	336.20	367.42	348.10	40.9	41.8	39.2	8.22	8.79	8.88
Harrisburg ¹	309.14	319.80	321.14	41.0	39.0	39.5	7.54	8.20	8.13
Johnstown	313.66	309.88	300.67	36.6	35.7	34.8	8.57	8.68	8.64
Lancaster	278.40	286.14	286.88	40.0	38.0	37.5	6.96	7.53	7.65
Northeast Pennsylvania	223.46	251.66	244.35	36.1	37.9	36.8	6.19	6.64	6.64
Philadelphia SMSA ¹	321.99	346.52	333.03	39.9	40.2	38.5	8.07	8.62	8.65
Pittsburgh ¹	396.77	412.91	421.37	40.2	39.4	40.4	9.87	10.48	10.43
Reading	302.00	320.76	310.73	40.0	39.6	38.5	7.55	8.10	8.07
Scranton ²	224.72	255.82	(*)	36.9	39.6	(*)	6.09	6.46	(*)
Wilkes-Barre—Hazleton ²	220.98	232.76	(*)	35.3	35.7	(*)	6.26	6.52	(*)
Williamsport ¹	300.60	327.64	317.85	39.5	40.4	39.0	7.61	8.11	8.15
York ¹	280.68	315.46	313.56	39.7	40.6	40.2	7.07	7.77	7.83
RHODE ISLAND ¹	233.05	238.26	241.02	36.5	38.0	37.6	5.90	6.27	6.41
Providence—Warwick—Pawtucket ¹	232.45	236.36	239.89	39.6	38.0	37.6	5.87	6.22	6.38
SOUTH CAROLINA ¹	240.35	258.73	210.24	40.6	40.3	32.0	5.92	6.42	6.57
Charleston—North Charleston ¹	273.78	284.72	274.86	40.5	39.6	37.6	6.76	7.19	7.31
Columbia ¹	232.43	252.53	230.26	39.8	40.6	32.3	5.84	6.22	6.23
Greenville—Spartanburg ¹	231.67	254.52	184.25	39.4	40.4	29.2	5.88	6.30	6.31
SOUTH DAKOTA ¹	299.38	311.54	311.32	43.2	42.1	41.9	6.93	7.40	7.43
Rapid City ¹	258.25	(*)	(*)	37.7	(*)	(*)	6.85	(*)	(*)
Sioux Falls ¹	442.76	464.58	476.72	50.2	48.8	52.1	8.82	9.52	9.15
TENNESSEE	257.51	274.22	(*)	39.8	39.8	(*)	6.47	6.89	(*)
Chattanooga	261.29	277.38	(*)	40.7	41.9	(*)	6.42	6.62	(*)
Knoxville	298.08	304.15	(*)	40.5	39.5	(*)	7.36	7.70	(*)
Memphis	300.51	325.26	(*)	43.5	41.7	(*)	7.42	7.80	(*)
Nashville—Davidson	277.49	314.93	(*)	40.1	40.9	(*)	6.92	7.70	(*)
TEXAS ¹	314.77	344.45	315.55	41.2	41.6	37.7	7.64	8.28	8.27
Abilene	209.16	229.15	(*)	42.0	42.2	(*)	4.98	5.43	(*)
Amarillo	309.58	319.39	(*)	42.7	41.0	(*)	7.25	7.79	(*)
Austin	245.74	267.12	(*)	41.3	42.0	(*)	5.95	6.36	(*)
Beaumont—Port Arthur—Orange	448.58	465.21	(*)	42.6	42.1	(*)	10.53	11.05	(*)
Corpus Christi	331.93	347.94	(*)	42.5	40.6	(*)	7.81	8.57	(*)
Dallas—Fort Worth ¹	293.35	330.03	306.71	43.8	41.1	38.1	7.19	8.03	8.35
El Paso	202.75	258.83	(*)	39.6	49.3	(*)	5.12	5.25	(*)
Galveston—Texas City	466.57	487.47	(*)	42.3	41.7	(*)	11.03	11.69	(*)
Houston ¹	405.15	445.21	444.71	43.8	44.7	43.9	9.25	9.96	10.13
Longview—Marshall	312.83	331.29	(*)	41.0	40.5	(*)	7.63	8.18	(*)
Lubbock	244.61	270.58	(*)	40.7	41.5	(*)	6.01	6.52	(*)
San Angelo	212.22	233.38	(*)	40.5	40.1	(*)	5.24	5.82	(*)
San Antonio ¹	231.29	249.64	246.62	41.9	41.4	40.1	5.52	6.03	6.15
Sherman—Denison	272.34	300.25	(*)	39.7	39.3	(*)	6.86	7.64	(*)
Waco	250.51	289.76	(*)	39.7	42.3	(*)	6.31	6.85	(*)
Wichita Falls	287.04	315.12	(*)	41.6	41.3	(*)	6.90	7.63	(*)
UTAH ¹	287.54	321.59	317.46	38.7	40.3	39.0	7.42	7.98	8.14
Salt Lake City—Ogden ¹	280.28	315.06	315.22	39.2	40.6	39.7	7.15	7.76	7.94
VERMONT ¹	266.34	281.06	282.30	40.6	39.2	39.1	6.56	7.17	7.22
Burlington ¹	288.81	314.64	321.51	42.1	41.4	41.7	6.86	7.60	7.71
Springfield ¹	303.42	317.99	311.12	42.2	40.1	40.3	7.19	7.93	7.72

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

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

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	JAN. 1981	DEC. 1981	JAN. 1982 P	JAN. 1981	DEC. 1981	JAN. 1982 P	JAN. 1981	DEC. 1981	JAN. 1982 P
VIRGINIA ¹	\$260.79	\$283.14	\$254.16	39.5	39.6	35.3	\$6.60	\$7.15	\$7.20
Bristol ¹	220.17	231.72	210.74	37.7	38.3	34.1	5.84	6.05	6.18
Lynchburg ¹	264.14	280.90	242.79	40.7	40.0	34.1	6.49	7.00	7.12
Norfolk—Virginia Beach—Portsmouth ¹	287.82	321.48	275.21	41.0	42.3	37.7	7.02	7.60	7.30
Northern Virginia ^{1, 10}	289.26	302.40	280.02	40.4	40.0	36.7	7.16	7.56	7.63
Petersburgh—Colonial Heights—Hopewell ¹	313.47	343.42	337.59	40.5	38.5	36.3	7.74	9.92	9.20
Richmond ¹	343.40	374.83	292.05	40.4	41.1	33.0	8.50	9.12	8.85
Roanoke ¹	243.72	263.59	224.70	39.5	39.4	32.1	6.17	6.69	7.00
WASHINGTON ¹	(*)	428.15	426.27	(*)	39.1	39.0	(*)	10.95	10.93
Seattle—Everett.....	401.80	(*)	(*)	39.2	(*)	(*)	10.25	(*)	(*)
Spokane.....	349.33	(*)	(*)	38.3	(*)	(*)	9.12	(*)	(*)
Tacoma.....	380.16	457.47	(*)	38.4	41.4	(*)	9.90	11.05	(*)
WEST VIRGINIA ¹	339.95	355.39	356.33	39.9	39.4	39.2	8.52	9.02	9.09
Charleston ¹	374.47	421.31	453.17	41.7	42.3	43.7	9.10	9.96	10.37
Huntington—Ashland ¹	402.38	402.38	370.50	42.4	42.4	39.0	9.49	9.49	9.50
Parkersburg—Marietta ¹	365.62	400.98	387.87	41.5	41.0	40.7	8.81	9.78	9.53
Wheeling ¹	377.26	432.28	406.55	38.3	40.1	38.5	9.85	13.78	10.57
WISCONSIN ¹	345.51	372.90	360.11	40.3	40.4	39.0	8.57	9.23	9.24
Appleton—Oshkosh ¹	342.06	368.24	365.93	41.6	42.1	41.3	8.21	8.75	8.86
Eau Claire ¹	334.23	346.81	350.97	40.8	40.8	40.5	8.19	8.50	8.66
Green Bay ¹	350.13	398.15	396.52	40.8	42.0	42.1	8.59	9.48	9.41
Janeville—Beloit ¹	366.29	375.68	339.81	39.8	40.5	39.0	9.21	9.28	8.72
Kenosha ¹	386.72	434.64	376.19	39.9	39.6	35.1	9.69	10.99	10.73
La Crosse ¹	298.29	328.94	324.24	40.0	39.3	39.0	7.47	8.37	8.32
Madison ¹	331.98	346.76	358.17	39.5	38.6	38.2	8.42	9.00	9.38
Milwaukee ¹	382.23	413.34	400.79	40.6	40.7	39.2	9.41	10.16	10.22
Racine ¹	363.09	388.45	363.23	40.2	39.6	.....	.....	.....	.....
WYOMING ¹	300.98	329.27	291.96	40.4	40.6	34.0	7.45	9.11	8.11
VIRGIN ISLAND	353.32	397.59	(*)	44.0	43.0	(*)	8.03	9.14	(*)

¹ Revised to 1981 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.

p= preliminary.

*Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

ESTABLISHMENT DATA LABOR TURNOVER

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

(Per 100 employees)

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

p=preliminary.

NOTE: This table will be discontinued with this issue. See page 6 in this issue.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981
	MANUFACTURING	3.2	1.7	2.0	0.9	1.0	0.7	3.6	4.1	1.3	0.7	1.6	2.8
24, 25, 32-39	DURABLE GOODS	2.9	1.5	1.7	.7	.9	.6	3.4	4.2	1.1	.6	1.6	3.1
20-23, 26-31	NONDURABLE GOODS	3.8	2.0	2.5	1.1	1.1	.7	4.0	4.0	1.7	.9	1.6	2.5
	DURABLE GOODS												
24	LUMBER AND WOOD PRODUCTS	4.4	2.7	2.7	.9	1.5	1.6	5.7	6.3	2.1	1.0	2.7	4.5
212	Sawmills and planing mills	3.9	2.6	2.3	1.1	1.5	1.3	5.5	6.2	1.8	1.0	2.8	4.3
2421	Sawmills and planing mills, general	3.7	2.4	2.0	1.0	1.5	1.1	5.3	5.5	1.6	.9	2.9	3.6
243	Millwork, plywood, and structural members	3.9	2.6	2.5	.9	1.2	1.6	5.3	4.8	1.9	.8	2.6	3.3
2431	Millwork	3.4	1.8	2.3	.7	1.1	1.1	5.3	6.7	1.7	.7	2.8	5.1
244	Wood containers	5.3	2.7	3.8	1.2	1.3	1.2	6.4	7.5	3.0	1.7	2.5	5.2
245	Wood buildings and mobile homes	7.1	2.3	5.5	1.2	1.5	1.1	8.7	8.8	4.3	2.0	3.0	6.0
2451	Mobile homes	8.4	2.2	6.7	1.4	1.7	.8	9.6	8.0	5.2	2.5	2.7	4.6
249	Miscellaneous wood products	3.9	1.8	2.8	.7	.9	1.0	4.4	4.9	1.9	.9	1.5	3.4
25	FURNITURE AND FIXTURES	3.7	1.8	2.7	.9	.8	.8	4.1	4.0	1.9	.9	1.4	2.5
251	Household furniture	3.8	2.0	2.8	.9	.8	1.0	4.5	4.3	2.1	.9	1.4	2.8
2511	Wood household furniture	3.8	2.0	3.0	.9	.7	1.0	4.5	4.7	2.3	1.0	1.3	3.0
2512	Upholstered household furniture	3.3	1.1	2.6	.8	.6	.2	3.7	2.7	2.0	.8	.8	1.3
2515	Mattresses and bedsprings	3.3	1.6	2.5	.7	.7	.9	4.1	3.9	1.6	1.0	1.5	2.2
252	Office furniture	2.5	1.0	1.9	.8	.4	.2	2.4	1.8	1.2	.5	.6	1.0
254	Partitions and fixtures	4.3	1.4	3.0	.9	1.1	.4	4.7	4.9	1.8	1.1	2.1	3.3
32	STONE, CLAY, AND GLASS PRODUCTS	3.4	1.5	1.8	.6	1.4	.7	4.1	6.5	1.1	.6	2.2	5.3
322	Glass and glassware, pressed or blown	2.9	1.0	1.2	.3	1.4	.5	3.5	4.2	.7	.3	1.8	3.4
3221	Glass containers	2.7	.7	1.3	.2	1.2	.3	3.4	3.0	.8	.2	1.8	2.4
3229	Pressed and blown glass, nec	3.0	1.5	1.0	.3	1.6	.7	3.6	5.7	.6	.3	1.9	4.6
323	Products of purchased glass	3.1	1.3	1.6	.7	1.2	.4	4.0	9.9	.9	.5	2.2	9.0
324	Cement, hydraulic	2.0	.4	.7	.2	1.2	.1	3.1	8.0	.4	.1	2.1	7.3
325	Structural clay products	4.5	2.0	2.3	.7	2.0	1.1	5.9	7.9	1.8	1.0	3.1	6.2
326	Pottery and related products	3.0	2.3	1.6	.5	1.2	1.7	3.7	6.2	1.2	.6	1.7	4.9
327	Concrete, gypsum, and plaster products	4.5	2.0	2.8	1.1	1.6	.7	5.2	8.4	1.7	1.0	2.7	6.7
329	Misc. nonmetallic mineral products	2.6	1.3	1.3	.5	1.1	.6	3.1	3.7	.8	.4	1.6	2.7
33	PRIMARY METAL INDUSTRIES	2.6	1.8	.9	.3	1.4	1.4	3.4	5.5	.6	.3	2.1	4.7
331	Blast furnace and basic steel products	2.7	2.5	.6	.1	1.9	2.2	3.7	6.9	.3	.1	2.5	6.3
3312	Blast furnaces and steel mills	2.8	2.6	.4	.1	2.0	2.4	3.8	7.2	.2	.1	2.6	6.6
332	Iron and steel foundries	2.8	1.3	1.3	.4	1.3	.8	3.8	5.4	.9	.6	2.1	4.3
3321	Gray iron foundries	2.7	1.5	1.3	.4	1.1	.9	3.8	5.5	1.0	.6	2.1	4.5
3325	Steel foundries, nec	3.3	1.1	1.5	.5	1.5	.5	4.0	5.1	.9	.6	2.1	4.0
333	Primary nonferrous metals	1.1	.7	.6	.2	.3	.4	2.0	1.9	.4	.2	1.2	1.1
335	Nonferrous rolling and drawing	2.0	1.1	1.0	.3	.8	.7	2.5	4.0	.5	.2	1.3	3.3
3351	Copper rolling and drawing	2.1	.3	1.3	.1	.7	.2	2.4	3.2	.6	.3	1.1	2.4
3353	Aluminum sheet, plate, and foil	1.5	.8	.5	.1	.9	.7	2.2	5.0	.3	.1	1.5	4.7
3357	Nonferrous wire drawing and insulating	2.0	1.6	1.0	.5	.8	.9	2.4	3.0	.5	.2	1.2	2.5
336	Nonferrous foundries	3.3	1.9	1.8	.5	1.3	1.0	4.1	4.2	1.1	.4	2.2	3.3
3361	Aluminum foundries	3.6	1.9	1.7	.4	1.6	1.0	4.6	5.6	1.0	.3	2.7	4.8
34	FABRICATED METAL PRODUCTS	3.2	1.5	1.9	.7	1.0	.6	3.8	4.4	1.2	.6	1.9	3.2
341	Metal cans and shipping containers	3.9	3.1	.9	.3	2.7	2.7	5.2	9.6	.6	.3	3.6	8.4
3411	Metal cans	4.1	3.7	.7	.2	3.0	3.2	5.6	11.2	.5	.2	4.1	9.9
342	Cutlery, hand tools, and hardware	2.8	1.5	1.4	.5	.9	.7	3.5	3.9	1.0	.5	1.9	2.9
3423, 5	Hand and edge tools, and hand saws and blades	2.3	1.2	1.4	.5	.8	.6	3.0	1.9	.9	.4	1.5	1.1
3429	Hardware, nec	3.1	1.7	1.4	.4	.9	.7	3.9	5.1	1.0	.5	2.2	4.1
343	Plumbing and heating, except electric	2.8	1.5	1.6	.7	1.0	.4	3.6	3.7	1.1	.5	1.9	2.7
344	Fabricated structural metal products	3.4	1.6	2.3	1.0	.9	.5	4.0	3.9	1.5	.8	1.7	2.3
3441	Fabricated structural metal	4.0	2.2	2.7	1.4	1.2	.8	4.7	4.9	1.6	1.0	2.0	3.1
3442	Metal doors, sash, and trim	4.0	1.1	2.8	.7	1.1	.1	5.0	3.8	1.9	.9	2.2	2.1
3443	Fabricated plate work (boiler shops)	2.1	1.3	1.5	.7	.5	.3	2.7	2.4	1.0	.5	1.1	1.3
3444	Sheet metal work	3.7	1.6	2.6	1.1	1.0	.4	4.3	5.5	1.6	1.2	1.9	3.7
345	Screw machine products, bolts, etc.	2.5	1.1	1.7	.6	.7	.5	3.3	4.2	1.3	.6	1.4	3.1
3451	Screw machine products	2.9	1.1	2.1	.7	.7	.3	3.6	3.2	1.6	.8	1.4	1.9
3452	Bolts, nuts, rivets, and washers	2.2	1.1	1.3	.4	.8	.6	3.1	5.2	1.0	.5	1.3	4.1
346	Metal forgings and stampings	3.4	1.4	1.4	.5	1.5	.6	4.2	5.2	.9	.4	2.6	4.4
3462	Iron and steel forgings	2.5	1.1	1.2	.6	1.1	.4	3.1	4.3	.7	.3	1.6	3.6
3465	Automotive stampings	4.3	1.3	.7	.3	2.3	.7	5.9	8.2	.7	.3	4.6	7.6
3469	Metal stampings, nec	3.1	1.5	2.1	.8	.9	.5	3.5	3.7	1.3	.6	1.5	2.5
347	Metal services, nec	4.1	1.6	3.0	.8	1.0	.5	5.0	6.7	1.9	1.0	2.1	5.1
348	Ordinance and accessories, nec	1.9	.7	1.1	.4	.5	.2	1.8	1.2	.6	.3	.7	.4
349	Misc. fabricated metal products	2.9	1.1	1.9	.5	.9	.4	3.2	3.6	1.1	.5	1.4	2.7
3494	Valves and pipe fittings	2.3	.9	1.5	.4	.7	.3	2.3	2.2	.8	.4	.9	1.3
3496	Misc. fabricated wire products	4.1	1.2	2.5	.7	1.3	.5	4.5	5.6	1.5	.5	2.2	4.7

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981
35	MACHINERY, EXCEPT ELECTRICAL	2.3	1.3	1.5	0.7	0.6	0.4	2.6	2.5	0.9	0.5	1.0	1.5
351	Engines and turbines	2.7	1.1	.7	.2	1.4	.6	2.6	2.7	.4	.2	1.3	2.0
3511	Turbines and turbine generator sets	1.5	.7	.7	.4	.1	.2	1.6	.7	.3	.1	.4	.3
3519	Internal combustion engines, nec	3.3	1.3	.7	.1	2.0	.8	3.0	3.6	.4	.2	1.7	2.7
352	Farm and garden machinery	2.5	1.9	.9	.4	1.3	1.2	3.5	3.2	.7	.3	2.0	2.3
3523	Farm machinery and equipment	2.3	1.5	.9	.4	1.1	1.0	3.4	3.2	.7	.3	2.0	2.3
353	Construction and related machinery	2.3	1.2	1.7	.8	.5	.2	2.3	1.9	.9	.4	.8	1.0
3531	Construction machinery	1.6	.7	.8	.3	.7	.3	1.9	2.4	.4	.2	1.0	1.8
3533	Oil field machinery	3.5	2.1	3.3	1.8	.1	.1	2.3	1.4	1.5	.8	.1	.1
354	Metalworking machinery	2.0	.9	1.3	.5	.5	.3	2.6	2.5	.9	.4	1.1	1.5
3541	Machine tools, metal cutting types	1.0	.3	.8	.3	.1	.1	1.6	1.6	.6	.3	.6	.8
3544	Special dies, tools, jigs, and fixtures	2.8	1.5	1.9	.6	.6	.5	3.1	2.7	1.2	.5	1.1	1.5
3545	Machine tool accessories	1.7	.9	1.1	.6	.4	.2	2.3	2.0	.8	.4	.8	1.0
355	Special industry machinery	1.8	.8	1.3	.6	.4	.1	2.3	2.2	.8	.5	1.0	1.2
3551	Food products machinery	1.8	.8	1.2	.5	.5	.2	2.5	2.1	.8	.7	1.2	1.0
3552	Textile machinery	2.1	1.0	1.4	.6	.6	.3	2.9	3.1	1.0	.4	1.4	2.1
356	General industrial machinery	2.1	1.0	1.2	.5	.6	.4	2.3	2.4	.8	.4	1.0	1.4
3561	Pumps and pumping equipment	1.9	.9	1.3	.7	.4	.2	1.9	1.2	.8	.4	.5	.3
3562	Ball and roller bearings	1.7	.9	.8	.3	.5	.4	2.3	3.7	.5	.2	1.2	3.0
3564	Blowers and fans	2.4	1.0	1.7	.4	.5	.5	2.9	2.1	1.1	.6	1.2	1.0
357	Office and computing machines	2.4	1.7	1.9	1.2	.2	.2	2.0	2.1	.9	.6	.3	1.1
3573	Electronic computing equipment	2.5	1.7	2.1	1.3	.2	.2	1.8	1.2	.9	.5	.2	.2
358	Refrigeration and service machinery	2.6	1.2	1.5	.6	.8	.5	3.2	2.6	.8	.3	1.5	1.7
3585	Refrigeration and heating equipment	2.4	1.3	1.3	.4	.7	.5	3.2	2.9	.7	.3	1.5	1.9
359	Misc. machinery, except electrical	3.1	1.6	2.1	1.0	.8	.5	3.5	3.3	1.3	.7	1.4	2.0
36	ELECTRIC AND ELECTRONIC EQUIPMENT	2.6	1.5	1.6	.7	.6	.4	2.9	3.3	1.0	.5	1.1	2.0
361	Electric distributing equipment	2.6	1.2	1.7	.7	.5	.3	2.9	3.7	1.0	.5	.9	2.6
3612	Transformers	2.9	1.4	1.7	.8	.6	.4	3.0	3.8	1.1	.6	.8	2.6
3613	Switchgear and switchboard apparatus	2.4	1.1	1.7	.5	.4	.3	2.8	3.5	1.0	.4	.9	2.7
362	Electrical industrial apparatus	2.2	1.0	1.3	.4	.6	.2	2.5	2.2	.8	.4	.9	1.1
3621	Motors and generators	2.5	1.0	1.4	.4	.7	.3	2.8	2.6	.8	.3	1.2	1.6
3622	Industrial controls	2.0	1.1	1.2	.5	.4	.2	2.2	1.5	.8	.5	.7	.3
363	Household appliances	4.0	3.0	1.3	.3	1.9	1.9	5.7	13.2	.8	.4	3.4	11.5
3632	Household refrigerators and freezers	7.7	4.0	1.3	(1)	4.9	2.3	9.9	23.2	.6	.2	7.1	21.7
3633	Household laundry equipment	2.3	2.2	.8	.1	.8	1.3	4.7	12.0	.3	.2	3.4	10.8
3634	Electric housewares and fans	3.7	2.7	1.8	.4	1.5	1.9	4.3	5.6	1.4	.7	1.8	3.8
364	Electric lighting and wiring equipment	2.8	1.7	1.7	.7	.7	.9	3.3	4.4	1.1	.5	1.4	3.3
3641	Electric lamps	1.8	.8	.7	.3	.6	.2	2.4	3.9	.5	.2	1.1	3.2
3643	Current-carrying wiring devices	2.4	1.3	1.7	.7	.4	.4	2.6	3.3	1.0	.5	.8	2.2
365	Radio and TV receiving equipment	3.5	2.3	1.4	.6	1.0	.8	4.4	4.3	1.0	.5	2.1	2.7
3651	Radio and TV receiving sets	3.1	1.3	1.3	.5	.5	.3	4.2	4.2	.9	.4	1.8	2.4
366	Communication equipment	1.8	1.3	1.3	.7	.2	.1	1.8	1.4	.8	.4	.3	.2
3661	Telephone and telegraph apparatus	.8	.4	.5	.3	.2	(1)	1.4	1.1	.4	.4	.5	.1
3662	Radio and TV communication equipment	2.2	1.6	1.6	.9	.2	.1	1.9	1.5	.9	.4	.3	.3
367	Electronic components and accessories	2.8	1.5	2.2	1.1	.4	.2	2.9	2.3	1.4	.8	.7	.8
3671-3	Electronic tubes	1.9	1.0	1.0	.4	.4	.2	2.7	2.7	.8	.6	1.1	1.4
3674	Semiconductors and related devices	1.9	1.1	1.6	.7	.2	.2	2.2	1.9	1.1	.7	.4	.6
3679	Electronic components, nec	3.5	1.9	2.8	1.6	.4	.2	3.3	2.2	1.8	1.0	.8	.7
369	Misc. electrical equipment and supplies	2.6	1.5	1.4	.5	1.0	.7	3.4	4.3	.8	.4	1.7	3.1
3694	Engine electrical equipment	2.8	2.0	1.2	.4	1.3	1.4	3.8	5.0	.7	.4	2.1	3.4
37	TRANSPORTATION EQUIPMENT	2.8	1.4	1.2	.5	1.2	.7	3.6	5.8	.8	.4	2.0	5.0
371	Motor vehicles and equipment	3.2	1.3	.7	.2	1.8	.7	4.5	7.0	.6	.3	2.9	6.2
3711	Motor vehicles and car bodies	3.4	1.3	.5	.1	2.0	.9	4.9	7.2	.6	.2	3.3	6.5
3713	Truck and bus bodies	2.9	1.1	1.5	.7	1.2	.4	6.1	6.2	1.2	.3	4.3	5.6
3714	Motor vehicle parts and accessories	3.0	1.2	.7	.2	1.6	.6	4.0	6.9	.6	.3	2.5	5.9
3715	Truck trailers	4.8	2.2	2.6	1.6	2.0	.6	5.4	8.1	1.5	.8	3.0	6.8
372	Aircraft and parts	1.4	.7	1.0	.5	.2	.1	1.8	1.4	.7	.3	.6	.7
3721	Aircraft	1.2	.7	.8	.5	.2	.1	1.5	1.2	.6	.3	.5	.6
3724	Aircraft engines and engine parts	1.1	.6	.7	.3	.1	.1	1.7	1.3	.5	.2	.6	.6
3728	Aircraft equipment, nec	2.3	.9	1.9	.7	.3	.1	2.5	1.8	1.1	.5	.7	.8
373	Ship and boat building and repairing	5.2	3.7	2.9	1.2	2.3	2.4	5.5	4.6	1.6	.7	2.9	3.3
3731	Ship building and repairing	5.3	3.9	2.5	1.0	2.7	2.8	5.5	4.5	1.3	.5	3.2	3.3
3732	Boat building and repairing	5.0	3.1	4.1	2.0	.8	.9	5.7	4.8	2.8	1.1	1.8	3.0
374	Railroad equipment	2.7	.9	.4	.1	1.8	.8	4.2	4.6	.4	.1	2.9	3.8
376	Guided missiles, space vehicles, parts	1.8	1.3	1.5	1.0	.1	(1)	1.2	.7	.6	.2	.2	.1
3761	Guided missiles and space vehicles	1.9	1.4	1.6	1.1	.1	.1	1.1	.7	.6	.2	.1	(1)
379	Miscellaneous transportation equipment	4.8	1.4	3.6	.9	1.0	.4	4.5	3.3	2.0	.8	1.5	2.0
38	INSTRUMENTS AND RELATED PRODUCTS	2.2	1.2	1.8	.9	.3	.1	2.3	2.1	1.1	.9	.6	.7
381	Engineering and scientific instruments	2.1	1.3	1.8	1.0	.1	.2	1.9	1.7	1.1	.6	.4	.6
382	Measuring and controlling devices	2.2	1.2	1.7	.7	.3	.2	2.2	1.6	1.1	.7	.5	.4
3822	Environmental controls	1.9	.9	1.3	.4	.4	.3	2.4	1.7	.8	.5	1.0	.7
3823	Process control instruments	2.2	1.1	1.8	.7	.3	.3	2.2	1.8	1.1	.7	.4	.5
3825	Instruments to measure electricity	2.3	1.3	1.8	.8	.1	(1)	1.8	1.2	1.1	.9	.2	(1)

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981
	INSTRUMENTS AND RELATED PRODUCTS—Con'd												
383	Optical instruments and lenses	2.3	0.7	2.0	0.6	0.2	0.1	2.1	1.5	1.3	0.8	0.3	0.2
384	Medical instruments and supplies	2.4	1.1	1.9	.8	.3	.1	2.6	1.7	1.3	.7	.6	.6
3841	Surgical and medical instruments	2.6	1.3	2.2	1.1	.2	(1)	2.8	1.6	1.4	.7	.7	.4
3842	Surgical appliances and supplies	2.3	1.0	1.6	.6	.5	.3	2.6	2.0	1.2	.6	.7	.9
385	Ophthalmic goods	2.7	1.5	2.0	1.2	.4	.2	3.6	3.9	1.7	1.0	1.2	2.5
386	Photographic equipment and supplies	1.9	1.5	1.7	1.3	.1	(1)	1.5	2.5	.8	1.5	.2	.4
387	Watches, clocks, and watchcases	3.2	.6	1.7	.2	1.1	.4	5.0	7.6	1.2	.3	2.9	6.1
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.4	2.0	2.8	1.2	1.3	.7	4.9	6.6	1.7	.9	2.2	5.0
391	Jewelry, silverware, and plated ware	4.0	1.7	2.7	1.1	1.2	.4	4.1	4.2	1.5	1.0	1.9	2.5
393	Musical instruments	3.0	.9	1.9	.6	.8	.3	4.3	4.3	1.6	.7	2.0	3.0
394	Toys and sporting goods	6.1	2.7	3.6	1.3	2.1	1.0	6.5	11.4	2.2	1.1	3.1	9.6
3942.4	Dolls, games, toys, and children's vehicles	7.3	2.4	4.3	1.1	2.6	1.2	7.6	17.9	2.4	.9	3.8	16.2
3949	Sporting and athletic goods, nec	4.8	2.9	2.9	1.6	1.4	.9	5.3	4.9	1.9	1.3	2.3	3.0
395	Pens, pencils, office and art supplies	2.8	1.6	2.1	1.1	.5	.3	2.8	2.3	1.3	.8	.7	1.0
396	Costume jewelry and notions	4.4	1.7	2.9	1.1	1.4	.5	5.6	7.3	1.8	1.0	2.7	5.4
399	Miscellaneous manufactures	3.9	2.0	2.6	1.1	1.1	.7	4.2	5.2	1.5	.8	1.9	3.7
	NONOURABLE GOODS												
	FOOD AND KINDRED PRODUCTS	5.6	2.9	3.3	1.6	2.1	1.1	5.8	5.4	2.1	1.2	2.9	3.5
20	Meat products	5.5	3.4	3.8	2.0	1.3	1.0	5.8	5.4	3.2	1.8	1.7	2.6
2011	Meat packing plants	4.1	3.1	2.1	1.4	1.5	1.1	4.5	4.5	1.6	1.0	2.0	2.2
2013	Sausages and other prepared meats	4.3	3.3	2.3	1.3	1.7	1.9	4.5	4.3	1.5	.8	2.2	2.8
2016	Poultry dressing plants	8.2	4.2	7.0	3.2	.7	.3	8.3	7.1	6.2	3.5	.8	2.7
202	Dairy products	3.0	1.7	2.1	1.0	.7	.5	3.3	3.2	1.5	.8	1.2	1.7
203	Preserved fruits and vegetables	13.4	5.1	6.8	2.1	6.5	2.9	13.4	13.4	3.1	1.3	9.3	11.2
204	Grain mill products	3.0	2.1	2.0	1.2	.9	.8	3.9	3.7	1.4	.9	1.8	2.2
205	Bakery products	2.6	1.7	1.9	1.1	.6	.5	2.7	2.7	1.3	.8	.8	1.4
2051	Bread, cake, and related products	2.4	1.6	2.0	1.2	.3	.4	2.5	2.3	1.4	.9	.5	.9
2052	Cookies and crackers	3.2	2.1	1.4	.8	1.6	1.1	3.4	4.1	.9	.3	1.9	3.5
206	Sugar and confectionery products	5.6	2.1	2.3	.9	3.2	1.1	5.9	6.3	1.2	1.1	3.9	4.6
207	Fats and oils	3.1	1.8	2.2	1.4	.8	.3	3.3	3.1	1.4	1.3	1.3	1.3
208	Beverages	4.1	2.8	2.3	1.3	1.6	1.5	4.3	4.0	1.5	.9	2.1	2.3
2082	Malt beverages	4.9	5.0	1.0	.4	3.6	4.4	5.3	6.0	.4	.2	4.1	5.1
2086	Bottled and canned soft drinks	3.6	2.1	3.0	1.6	.4	.4	3.5	2.3	2.1	1.3	.6	.3
209	Misc. foods and kindred products	6.3	3.4	3.9	2.6	2.1	.7	6.4	4.5	2.5	1.4	3.0	2.5
21	TOBACCO MANUFACTURES	3.9	3.0	1.5	1.0	1.7	1.5	3.9	3.5	.6	.5	2.4	2.5
211	Cigarettes	1.7	.8	.7	.2	.2	.2	1.4	1.5	.3	.1	.1	.9
22	TEXTILE MILL PRODUCTS	3.2	1.5	2.4	.8	.6	.7	3.7	3.6	1.8	.8	1.1	2.2
221	Weaving mills, cotton	2.6	.8	1.8	.5	.3	.1	3.1	2.2	1.5	.6	.6	1.0
222	Weaving mills, synthetics	2.8	.9	2.0	.7	.6	.2	3.2	2.3	1.6	.7	.8	1.1
223	Weaving and finishing mills, wool	3.8	2.4	2.8	1.3	.9	1.1	4.1	2.5	1.7	1.1	1.4	.9
224	Narrow fabric mills	4.1	2.0	3.1	1.2	.8	.7	3.8	4.1	1.8	.9	1.2	2.3
225	Knitting mills	3.7	1.5	2.7	.8	.8	.6	4.2	3.9	2.1	.8	1.3	2.5
2251	Women's hosiery, except socks	3.1	1.5	2.6	1.3	.3	.1	3.2	1.6	2.1	.8	.4	.3
2252	Hosiery, nec	3.9	.9	3.5	.6	.3	.3	3.9	3.2	2.6	.9	.5	1.9
2253	Knit outerwear mills	3.9	1.7	2.8	.9	.9	.8	4.2	6.0	2.1	1.0	1.3	4.0
2254	Knit underwear mills	3.0	.6	2.5	.5	.4	.1	3.6	1.3	2.2	.8	.7	.2
2257	Circular knit fabric mills	3.8	1.8	2.4	.6	1.3	1.1	5.7	3.4	2.0	.8	2.7	2.4
226	Textile finishing, except wool	2.9	1.2	2.3	.9	.4	.2	3.4	2.4	1.6	.9	.9	1.0
227	Floor covering mills	2.7	1.1	1.9	.6	.5	.3	3.3	2.8	1.4	.7	1.1	1.7
228	Yarn and thread mills	3.7	1.5	2.9	1.1	.6	.3	4.2	3.8	2.4	1.1	.9	2.2
229	Miscellaneous textile goods	3.5	5.0	2.0	.7	1.2	4.2	4.1	9.0	1.3	.7	2.0	7.6
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.1	2.6	3.3	1.3	1.6	1.2	5.4	5.9	2.5	1.3	2.1	3.9
231	Men's and boys' suits and coats	3.8	1.9	2.7	1.1	.8	.6	3.5	2.9	1.7	.8	1.1	1.6
232	Men's and boys' furnishings	4.5	1.6	3.2	1.1	1.1	.4	4.8	4.6	2.8	1.3	1.4	2.7
2321	Men's and boys' shirts and nightwear	4.0	1.4	2.8	.7	.9	.5	4.1	3.7	2.5	1.1	1.0	2.2
2327	Men's and boys' separate trousers	4.3	1.6	3.5	1.2	.6	.2	4.1	2.3	3.1	1.2	.5	.6
2328	Men's and boys' work clothing	4.6	1.5	3.6	1.4	.8	.1	5.0	4.2	3.3	1.7	1.1	2.0
233	Women's and misses' outerwear	5.9	3.7	3.3	1.5	2.4	2.0	6.2	7.4	2.3	1.3	3.0	5.4
234	Women's and children's undergarments	5.1	1.9	3.9	1.2	1.0	.6	4.8	4.1	3.0	1.6	1.1	1.9
2341	Women's and children's underwear	5.0	1.7	3.8	1.0	1.1	.6	4.9	4.3	3.1	1.6	1.1	2.1
2342	Brassieres and allied garments	5.3	2.6	4.2	1.7	.9	.8	4.8	3.4	2.5	1.4	1.5	1.5
236	Children's outerwear	5.2	3.4	3.5	1.7	1.4	1.6	5.4	4.4	2.7	1.3	2.0	2.8
238	Misc. apparel and accessories	5.1	2.0	3.3	.9	1.6	1.0	5.7	6.4	2.6	1.2	2.3	4.7
239	Misc. fabricated textile products	5.2	2.8	3.3	1.3	1.5	1.2	5.7	7.6	2.3	1.3	2.4	5.4
26	PAPER AND ALLIED PRODUCTS	2.3	1.2	1.5	.5	.7	.6	2.7	2.9	.9	.4	1.1	1.9
261,2,6	Paper and pulp mills	1.6	1.1	.9	.3	.4	.5	1.7	2.0	.5	.2	.7	1.4
262	Paper mills, except building paper	1.5	1.0	.9	.3	.4	.5	1.6	1.8	.5	.2	.6	1.3

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

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

(Per 100 employees)

1972 SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981	AVG. 1981	DEC. 1981
PAPER AND ALLIED PRODUCTS—Continued													
263	Paperboard mills	1.5	0.6	0.9	0.3	0.4	0.2	1.7	1.3	0.6	0.2	0.7	0.7
264	Misc. converted paper products	3.0	1.6	2.0	.8	.8	.7	3.3	3.2	1.2	.6	1.3	1.9
265	Paperboard containers and boxes	2.7	1.3	1.7	.5	.9	.6	3.3	3.9	1.1	.5	1.4	2.8
2651	Folding paperboard boxes	2.8	1.9	1.8	.8	1.0	1.1	3.2	4.3	1.0	.7	1.4	3.2
2653	Corrugated and solid fiber boxes	2.1	.9	1.5	.5	.5	.3	2.6	3.0	1.0	.5	1.0	2.0
PRINTING AND PUBLISHING													
27	Newspapers	3.1	2.2	2.5	1.6	.5	.4	3.0	2.6	1.7	1.3	.7	.8
271	Periodicals	3.4	2.9	3.1	2.6	.1	.2	3.2	2.8	2.5	2.2	.1	.1
272	Books	3.0	2.0	2.7	1.7	.3	.2	2.5	2.1	1.7	1.4	.3	.1
273	Miscellaneous publishing	3.1	2.4	2.1	1.4	.8	.8	3.3	2.3	1.5	1.0	1.2	.6
274	Commercial printing, letterpress	2.6	1.2	2.2	1.0	.3	.2	2.5	1.7	1.5	.8	.4	.4
275	Commercial printing, lithographic	2.9	1.7	2.0	1.0	.7	.6	2.9	2.8	1.2	.7	1.0	1.6
2751	Blankbooks and bookbinding	3.1	1.3	2.0	.6	1.0	.7	3.2	3.5	1.3	.6	1.3	2.5
2752		2.7	1.9	2.1	1.3	.6	.5	2.7	2.4	1.1	.7	.9	1.0
278		3.4	1.9	2.6	.7	.7	1.2	3.4	2.3	1.6	.7	1.1	1.2
CHEMICALS AND ALLIED PRODUCTS													
28	Industrial inorganic chemicals	1.6	.8	1.2	.5	.3	.2	1.7	1.5	.7	.3	.5	.7
281	Industrial inorganic chemicals, nec	1.3	.8	1.0	.6	.2	.2	1.3	1.4	.5	.3	.3	.6
2819	Plastics materials and synthetics	1.3	.7	1.0	.5	.2	.2	1.2	1.4	.5	.3	.3	.5
282	Plastics materials and resins	1.1	.6	.7	.2	.2	.2	1.4	1.8	.5	.3	.5	1.0
2821	Organic fibers, noncellulosic	1.3	.5	1.0	.4	.2	.1	1.5	1.7	.6	.5	.3	.7
2824	Drugs	.6	.3	.4	.1	.1	.1	1.1	1.1	.4	.1	.3	.5
283	Pharmaceutical preparations	1.6	.9	1.3	.7	.2	.1	1.5	1.2	.6	.4	.3	.2
2834	Soap, cleaners, and toilet goods	2.3	1.1	1.7	.5	.5	.5	2.3	1.8	1.0	.4	.7	1.0
284	Soap and other detergents	1.6	.8	1.0	.1	.6	.6	1.9	1.3	.5	.1	.7	.8
2844	Toilet preparations	2.9	1.1	2.1	.4	.5	.6	2.7	2.3	1.2	.4	.8	1.5
285	Paints and allied products	2.1	.6	1.7	.5	.2	.1	2.2	2.0	1.0	.4	.5	1.0
286	Industrial organic chemicals	1.1	.5	.8	.3	.1	.1	1.2	1.0	.5	.2	.2	.4
287	Agricultural chemicals	2.1	1.1	1.4	.5	.5	.5	2.4	1.7	.9	.4	.9	.8
289	Miscellaneous chemical products	2.0	1.0	1.5	.6	.4	.2	2.2	1.8	.8	.4	.7	.9
PETROLEUM AND COAL PRODUCTS													
29	Petroleum refining	2.0	1.2	1.6	.9	.3	.2	2.2	3.1	.6	.4	.8	2.1
291	Paving and roofing materials	1.7	1.0	1.5	.9	.1	.1	1.6	1.3	.5	.3	.5	.5
295		3.9	2.3	2.1	1.5	1.7	.8	5.6	15.8	1.5	.9	3.2	13.6
RUBBER AND MISC. PLASTICS PRODUCTS													
30	Tires and inner tubes	3.6	1.7	2.4	.8	.9	.7	4.0	4.3	1.5	.7	1.5	3.0
301	Rubber and plastics footwear	1.4	.8	.5	.1	.5	.5	1.7	2.4	.3	.1	.7	1.9
302	Reclaimed rubber, and rubber and plastics hose and belting	5.3	2.7	3.0	1.1	1.9	1.5	5.9	3.7	2.4	1.1	2.4	1.9
303,4	Fabricated rubber products, nec	2.5	.7	1.4	.5	.8	.1	3.0	2.8	.9	.4	1.5	2.0
306	Miscellaneous plastics products	3.2	1.3	1.8	.5	1.0	.6	3.7	4.1	1.1	.5	1.7	2.8
307		4.2	2.0	3.0	1.0	.9	.8	4.6	5.0	1.9	.9	1.7	3.5
LEATHER AND LEATHER PRODUCTS													
31	Leather tanning and finishing	5.6	2.6	3.8	1.2	1.5	1.2	6.2	9.1	2.8	1.4	2.5	6.9
311	Footwear, except rubber	4.3	2.6	2.7	.4	1.5	2.2	4.9	7.0	1.6	.5	2.5	6.1
314	Men's footwear, except athletic	5.5	2.8	3.7	1.5	1.4	1.1	6.0	6.9	2.9	1.4	2.2	4.9
3143	Women's footwear, except athletic	4.5	2.1	3.6	1.5	.4	.3	4.7	5.3	2.9	1.5	.9	3.0
3144		5.9	3.1	3.4	1.2	2.3	1.8	6.8	5.9	2.6	1.1	3.3	4.1
NONMANUFACTURING:													
MINING													
-	Mining	5.2	3.9	4.1	2.8	.8	.7	4.6	4.5	3.0	2.4	.6	1.1
METAL MINING													
10	Iron ores	2.2	2.9	1.0	.4	.9	2.3	3.0	4.7	.8	.4	1.5	3.8
101	Copper ores	4.6	11.6	.4	(1)	3.4	10.9	5.1	3.5	.2	.1	3.8	2.7
102		1.2	.4	.9	.4	.2	(1)	1.8	6.5	.5	.3	.9	5.9
BITUMINOUS COAL AND LIGNITE MINING													
12	Crude petroleum, natural gas, and natural gas liquids	1.6	.6	.9	.4	.5	.1	1.3	1.2	.5	.3	.4	.6
13	Oil and gas field services	7.3	5.5	6.1	4.3	.7	.6	6.1	5.4	4.5	3.7	.3	.3
131, 2		2.8	1.8	2.3	1.3	.2	.2	1.9	1.2	1.2	.7	.1	.1
138		10.2	7.9	8.6	6.2	1.0	.8	8.8	8.1	6.5	5.7	.3	.5
NONMETALLIC MINERALS, EXCEPT FUELS													
14	Crushed and broken stone	3.2	1.8	1.6	.9	1.4	.9	3.5	6.4	1.1	.8	1.8	5.1
142	Sand and gravel	3.9	3.2	1.6	1.2	2.2	2.0	4.3	8.2	1.2	1.0	2.5	6.7
144		4.2	1.9	1.9	.9	2.0	1.0	4.9	11.2	1.3	.9	2.9	9.7
COMMUNICATION:													
481	Telephone communication	.9	.4	.8	.3	(1)	(1)	.8	.6	.3	.2	.1	.1

¹ Less than 0.05.

p = preliminary.

NOTE: This table will be discontinued with this issue. See page 6 in this issue.

ESTABLISHMENT DATA SEASONALLY ADJUSTED LABOR TURNOVER

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

[Per 100 employees]

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

p = preliminary.

NOTE: This table will be discontinued with this issue. See page 6 in this issue.

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
ALABAMA	1,645.9	1,665.5	1,673.4	172.5	182.5	245.1	10.5	11.0	14.7
Birmingham	370.0	375.6	376.5	40.3	37.6	50.0	10.6	10.0	13.3
Huntsville	140.1	142.9	144.0	16.0	13.4	18.2	11.4	9.4	12.6
Mobile	184.4	187.5	185.8	16.3	19.0	22.6	8.8	10.1	12.2
Montgomery	110.6	121.1	120.3	10.8	11.1	13.5	9.1	9.2	11.2
Tuscaloosa	55.2	54.8	54.9	5.4	5.0	7.4	9.8	9.0	13.5
ALASKA	178.2	191.6	189.6	19.7	19.2	19.6	11.1	10.0	10.3
ARIZONA	1,246.3	1,295.3	1,287.4	82.7	82.9	100.1	6.6	6.4	7.8
Phoenix	762.2	790.7	789.4	43.8	41.9	49.4	5.7	5.3	6.3
Tucson	227.2	237.1	232.4	12.7	13.5	17.1	5.6	5.7	7.4
ARKANSAS	984.6	996.9	999.6	96.4	96.0	122.7	9.8	9.6	12.3
Fayetteville-Springdale	70.9	82.2	80.5	5.2	5.1	6.7	6.5	6.2	8.3
Fort Smith ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Little Rock—North Little Rock	194.1	197.4	192.7	13.8	14.9	16.8	7.1	7.5	8.7
Pine Bluff	39.6	39.8	39.4	3.9	3.8	4.7	9.8	9.6	11.9
CALIFORNIA ²	11,713.5	11,884.9	11,906.6	931.0	1,021.4	1,117.1	7.9	8.6	9.4
Anaheim—Santa Ana—Garden Grove	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bakersfield	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Fresno	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Los Angeles—Long Beach ³	3,716.0	3,745.0	3,716.0	234.0	281.0	331.0	6.3	7.5	8.9
Modesto	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Oxnard—Simi Valley—Ventura	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Riverside—San Bernardino—Ontario	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Sacramento	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Salinas—Seaside—Monterey	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
San Diego	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
San Francisco—Oakland	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
San Jose	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Santa Barbara—Santa Maria—Lompoc	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Santa Rosa	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Stockton	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Vallejo—Fairfield—Napa	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
COLORADO	1,488.8	1,538.3	1,529.7	92.4	86.2	99.9	6.2	5.6	6.5
Denver—Boulder	888.9	921.8	915.8	49.4	46.1	51.2	5.6	5.0	5.6
CONNECTICUT	1,580.1	1,600.4	1,602.3	106.6	102.6	124.2	6.7	6.4	7.7
Bridgeport	191.4	194.9	195.1	13.4	12.5	16.3	7.0	6.4	8.4
Hartford	383.0	387.9	389.8	22.8	24.0	28.1	6.0	6.2	7.2
New Britain	75.3	75.8	75.4	5.5	6.5	7.2	7.3	8.5	9.5
New Haven—West Haven	198.8	199.7	198.7	14.2	12.7	15.4	7.2	6.4	7.8
Stamford	171.4	173.4	172.6	5.4	4.7	5.3	4.4	3.8	4.3
Waterbury	107.0	106.8	108.5	9.9	8.7	10.2	9.2	7.7	9.4
DELAWARE	277.9	287.5	N.A.	24.3	22.2	N.A.	8.7	7.7	N.A.
Wilmington ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
DISTRICT OF COLUMBIA	314.9	313.4	305.0	23.5	29.3	28.2	7.5	9.4	9.2
Washington SMSA ¹	N.A.	N.A.	1,665.3	N.A.	N.A.	97.4	N.A.	N.A.	5.8
FLORIDA ²	4,254.4	4,568.9	4,510.9	272.8	333.3	345.8	6.4	7.3	7.7
Bradenton	62.8	70.3	69.4	3.6	4.6	4.6	5.7	6.5	6.6
Daytona Beach	100.7	108.6	107.5	6.8	7.9	8.3	6.8	7.3	7.8
Fort Lauderdale—Hollywood	461.5	482.7	478.5	21.9	28.6	31.0	4.7	5.9	6.5
Fort Myers—Cape Coral	90.1	96.8	96.6	5.6	6.5	7.3	6.2	6.7	7.6
Gainesville	73.4	79.7	78.1	3.2	3.4	3.6	4.4	4.3	4.7
Jacksonville	315.9	341.7	335.4	19.4	21.3	26.2	6.1	6.2	7.8
Lakeland—Winter Haven	142.7	150.4	153.9	12.9	18.8	20.2	9.0	12.5	13.1
Melbourne—Titusville—Cocoa	113.4	123.3	120.7	8.9	9.4	10.1	7.8	7.6	8.4
Miami	774.3	819.6	806.5	52.6	59.3	55.8	6.8	7.2	6.9
Orlando	339.4	370.0	365.5	20.8	25.0	27.5	6.1	6.7	7.5
Panama City	38.2	43.8	42.9	4.4	5.1	5.4	11.5	11.6	12.5
Pensacola	112.4	123.4	118.8	6.1	9.8	8.4	5.4	7.9	7.1
Sarasota	74.3	79.9	79.1	3.7	5.6	5.7	4.9	7.0	7.2
Tallahassee	80.7	87.5	83.3	3.2	3.8	4.4	3.9	4.3	5.3
Tampa—St. Petersburg	657.5	710.3	703.6	19.1	49.1	50.2	5.9	6.9	7.1
West Palm Beach—Boca Raton	260.0	282.0	280.1	14.7	18.0	18.8	5.7	6.4	6.7

See footnotes at end of table

STATE AND AREA UNEMPLOYMENT DATA

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

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
GEORGIA	2,548.7	2,611.4	2,603.5	165.2	187.2	217.7	6.5	7.2	8.4
Albany	52.2	53.5	52.6	4.4	4.1	4.3	8.5	7.7	8.2
Atlanta	1,047.2	1,082.4	1,070.8	56.8	61.8	72.2	5.4	5.7	6.7
Augusta	130.2	132.4	131.3	9.7	9.0	10.2	7.4	6.8	7.8
Columbus ¹	88.0	92.0	87.4	6.7	10.2	9.2	7.7	11.1	10.5
Macon	104.8	107.4	107.4	6.6	7.5	7.7	6.3	7.0	7.1
Savannah	94.2	98.3	98.5	6.0	6.5	6.5	6.4	6.6	6.6
HAWAII	437.9	451.8	445.0	21.7	24.2	25.2	5.0	5.3	5.7
Honolulu	337.6	348.1	343.1	15.5	17.0	17.9	4.6	4.9	5.2
IDAHO	414.5	419.9	416.8	36.1	38.3	51.0	8.7	9.1	12.2
Boise City	N.A.	N.A.	86.6	N.A.	N.A.	7.7	N.A.	N.A.	8.9
ILLINOIS²	5,508.2	5,503.4	5,518.1	547.0	482.3	558.2	9.9	8.8	10.1
Bloomington—Normal	60.8	62.4	62.3	4.8	3.9	4.5	7.9	6.2	7.3
Champaign—Urbana—Rantoul	81.3	84.7	84.0	5.8	4.7	5.5	7.1	5.5	6.5
Chicago	3,462.0	3,463.6	3,470.5	317.7	287.0	323.6	9.2	8.3	9.3
Davenport—Rock Island—Moline ¹	N.A.	N.A.	196.4	N.A.	N.A.	29.8	N.A.	N.A.	15.2
Decatur	61.4	62.3	62.6	7.9	7.2	8.1	12.9	11.5	12.9
Kankakee	40.8	40.9	41.3	5.6	5.7	6.7	13.7	13.9	16.3
Peoria	173.0	172.8	175.9	18.7	14.6	16.9	10.8	8.4	9.6
Rockford	135.1	135.3	135.1	16.8	14.3	16.0	12.4	10.6	11.8
Springfield	96.2	98.2	99.1	8.1	6.7	8.1	8.4	6.8	8.2
INDIANA	2,594.6	2,633.2	2,607.6	273.7	320.5	353.7	10.5	12.2	13.6
Anderson	N.A.	N.A.	56.5	N.A.	N.A.	11.6	N.A.	N.A.	20.5
Elkhart	N.A.	N.A.	66.2	N.A.	N.A.	9.4	N.A.	N.A.	14.1
Evansville ¹	N.A.	N.A.	148.5	N.A.	N.A.	17.9	N.A.	N.A.	12.0
Fort Wayne	N.A.	N.A.	191.6	N.A.	N.A.	26.2	N.A.	N.A.	13.7
Gary—Hammond—East Chicago	N.A.	N.A.	292.0	N.A.	N.A.	43.2	N.A.	N.A.	14.8
Indianapolis	N.A.	N.A.	604.8	N.A.	N.A.	61.5	N.A.	N.A.	10.2
Lafayette—West Lafayette	N.A.	N.A.	63.6	N.A.	N.A.	5.5	N.A.	N.A.	8.7
Muncie	N.A.	N.A.	58.4	N.A.	N.A.	9.8	N.A.	N.A.	16.8
South Bend	N.A.	N.A.	135.3	N.A.	N.A.	15.7	N.A.	N.A.	11.6
Terre Haute	N.A.	N.A.	78.2	N.A.	N.A.	11.6	N.A.	N.A.	14.8
IOWA	1,364.9	1,385.4	1,401.0	194.9	109.1	158.6	7.7	7.9	11.3
Cedar Rapids	N.A.	N.A.	88.0	N.A.	N.A.	10.1	N.A.	N.A.	11.5
Des Moines	N.A.	N.A.	184.2	N.A.	N.A.	18.1	N.A.	N.A.	9.8
Dubuque	N.A.	N.A.	45.6	N.A.	N.A.	10.5	N.A.	N.A.	23.0
Sioux City ¹	N.A.	N.A.	54.8	N.A.	N.A.	5.1	N.A.	N.A.	9.3
Waterloo—Cedar Falls	N.A.	N.A.	69.7	N.A.	N.A.	8.1	N.A.	N.A.	11.7
KANSAS	1,158.0	1,183.9	1,151.8	53.5	53.1	58.5	4.6	4.5	5.1
Lawrence	34.0	35.4	34.2	1.7	1.5	1.6	4.9	4.3	4.7
Topeka	94.4	95.6	93.7	5.7	5.4	6.1	6.0	5.7	6.5
Wichita	223.8	229.8	224.0	9.1	10.2	11.1	4.1	4.5	5.0
KENTUCKY	1,632.2	1,666.0	1,611.0	155.5	157.6	184.8	9.5	9.5	11.5
Lexington—Fayette	N.A.	N.A.	174.5	N.A.	N.A.	11.8	N.A.	N.A.	6.8
Louisville ¹	N.A.	N.A.	423.1	N.A.	N.A.	53.1	N.A.	N.A.	12.6
Owensboro	N.A.	N.A.	39.9	N.A.	N.A.	4.3	N.A.	N.A.	10.9
LOUISIANA	1,797.7	1,861.4	1,830.3	156.8	159.7	182.7	8.7	8.6	10.0
Alexandria	N.A.	N.A.	71.7	N.A.	N.A.	8.8	N.A.	N.A.	12.3
Baton Rouge	N.A.	N.A.	222.4	N.A.	N.A.	19.8	N.A.	N.A.	8.9
Lafayette	N.A.	N.A.	92.9	N.A.	N.A.	4.5	N.A.	N.A.	4.8
Lake Charles	N.A.	N.A.	80.5	N.A.	N.A.	10.0	N.A.	N.A.	12.4
Monroe	N.A.	N.A.	54.4	N.A.	N.A.	6.7	N.A.	N.A.	12.4
New Orleans	N.A.	N.A.	504.8	N.A.	N.A.	44.3	N.A.	N.A.	8.8
Shreveport	N.A.	N.A.	161.1	N.A.	N.A.	15.2	N.A.	N.A.	9.4
MAINE	497.1	501.1	492.3	44.8	38.3	40.9	9.0	7.6	8.3
Lewiston—Auburn	N.A.	N.A.	37.0	N.A.	N.A.	3.4	N.A.	N.A.	9.0
Portland	N.A.	N.A.	92.0	N.A.	N.A.	5.2	N.A.	N.A.	5.7
MARYLAND	2,141.1	2,173.5	2,140.5	166.2	173.8	206.7	7.8	8.0	9.7
Baltimore	N.A.	N.A.	1,074.5	N.A.	N.A.	113.3	N.A.	N.A.	10.5

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		
	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
MASSACHUSETTS²	2,894.2	3,038.7	2,992.2	193.9	208.2	238.2	6.4	6.9	8.0
Boston	1,412.5	1,472.1	1,469.1	74.9	85.0	98.4	5.3	5.8	6.7
Brockton	80.9	85.1	87.2	6.3	7.0	7.9	7.8	8.2	9.1
Fall River ¹	N.A.	N.A.	76.2	N.A.	N.A.	8.7	N.A.	N.A.	11.5
Lawrence—Haverhill ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Lowell	123.8	133.9	125.4	6.1	9.0	9.0	4.9	6.7	7.2
New Bedford	83.8	89.5	87.4	7.7	9.4	11.8	9.2	10.5	13.5
Springfield—Chicopee—Holyoke	273.8	290.3	279.2	17.8	21.5	22.9	6.5	7.4	8.2
Worcester	194.7	206.2	200.5	10.8	13.1	15.4	5.6	6.3	7.7
MICHIGAN²	4,209.3	4,260.9	4,227.0	582.4	614.3	677.3	13.8	14.4	16.0
Ann Arbor	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Battle Creek	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Bay City	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Detroit	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Flint	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Grand Rapids	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Jackson	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Kalamazoo—Portage	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Lansing—East Lansing	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Muskegon—Norton Shores—Muskegon Heights	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Saginaw	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MINNESOTA	2,063.4	2,125.1	2,075.1	138.2	132.0	156.7	6.7	6.2	7.5
Duluth—Superior ¹	N.A.	N.A.	109.1	N.A.	N.A.	12.3	N.A.	N.A.	11.3
Minneapolis—St. Paul	N.A.	N.A.	1,140.2	N.A.	N.A.	66.2	N.A.	N.A.	5.8
Rochester	N.A.	N.A.	55.3	N.A.	N.A.	3.3	N.A.	N.A.	6.0
St. Cloud	N.A.	N.A.	72.4	N.A.	N.A.	7.5	N.A.	N.A.	10.4
MISSISSIPPI	1,032.2	1,045.4	1,050.8	88.6	94.4	111.8	8.6	9.0	10.6
Jackson	157.2	160.7	159.2	9.1	10.5	11.4	5.8	6.5	7.2
MISSOURI	2,287.8	2,308.3	2,263.6	190.8	177.6	227.9	8.3	7.7	10.1
Kansas City ¹	680.8	679.0	661.2	47.9	48.6	55.4	7.0	7.2	8.4
St. Joseph	45.2	44.0	43.3	4.1	4.0	5.3	9.1	9.0	12.2
St. Louis ¹	N.A.	N.A.	1,096.8	N.A.	N.A.	111.0	N.A.	N.A.	10.1
Springfield	105.2	105.9	105.2	7.1	6.3	8.0	6.7	5.9	7.6
MONTANA	357.6	382.4	379.0	28.3	25.8	36.9	7.9	6.7	9.7
Billings	N.A.	N.A.	58.9	N.A.	N.A.	3.5	N.A.	N.A.	6.0
Great Falls	N.A.	N.A.	35.4	N.A.	N.A.	3.2	N.A.	N.A.	9.0
NEBRASKA	737.7	772.6	753.5	36.3	36.8	43.6	4.9	4.8	5.8
Lincoln	N.A.	N.A.	109.6	N.A.	N.A.	5.5	N.A.	N.A.	5.0
Omaha ¹	N.A.	N.A.	280.9	N.A.	N.A.	19.6	N.A.	N.A.	7.0
NEVADA	439.7	470.3	476.0	35.0	37.1	39.5	8.0	7.9	8.3
Las Vegas	N.A.	N.A.	268.7	N.A.	N.A.	23.1	N.A.	N.A.	8.6
Reno	N.A.	N.A.	130.1	N.A.	N.A.	9.1	N.A.	N.A.	7.0
NEW HAMPSHIRE	464.2	482.1	N.A.	25.5	24.3	N.A.	5.5	5.0	N.A.
Manchester	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Nashua	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEW JERSEY	3,582.7	3,528.8	3,564.4	287.0	259.2	350.7	8.0	7.3	9.8
Atlantic City	107.5	114.4	113.5	9.5	11.9	13.1	8.8	10.4	11.5
Jersey City	248.3	242.7	247.1	29.5	27.1	35.3	11.9	11.2	14.3
Long Branch—Asbury Park	235.2	238.0	240.0	18.3	16.9	23.7	7.8	7.1	9.9
New Brunswick—Perth Amboy—Sayreville	332.3	323.7	326.5	20.6	19.1	28.4	6.2	5.9	8.7
Newark	974.9	949.7	967.5	74.7	63.6	92.6	7.7	6.7	9.6
Paterson—Clifton—Passaic	211.2	206.2	209.4	20.6	17.5	24.2	9.7	8.5	11.5
Trenton	160.7	154.7	155.9	10.4	8.6	12.4	6.5	5.6	7.9
Vineland—Millville—Bridgeton	60.2	58.2	59.4	8.4	8.5	10.7	14.0	14.6	18.0
NEW MEXICO	559.1	573.9	570.0	44.5	40.8	44.3	8.0	7.1	7.8
Albuquerque	209.1	210.2	208.0	17.0	15.0	15.9	8.1	7.1	7.7
Las Cruces	34.0	36.5	35.4	3.0	2.5	2.6	8.7	6.8	7.4

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					
	JAN. 1981	DEC. 1981	JAN. 1982P	Number			Percent of labor force		
				JAN. 1981	DEC. 1981	JAN. 1982P	JAN. 1981	DEC. 1981	JAN. 1982P
NEW YORK²	8,011.4	7,932.7	7,980.4	669.8	611.8	680.9	8.4	7.7	8.5
Albany—Schenectady—Troy.....	380.1	376.3	380.7	26.9	24.5	27.9	7.1	6.5	7.3
Binghamton ¹	140.3	139.8	144.7	11.1	9.1	11.0	7.9	6.5	7.6
Buffalo.....	575.4	561.0	568.8	63.1	58.8	71.3	11.0	10.5	12.5
Elmira.....	40.4	38.8	39.6	3.5	2.9	3.6	8.7	7.4	9.1
Nassau-Suffolk.....	1,321.6	1,310.1	1,323.0	90.6	71.8	84.3	6.9	5.5	6.4
New York.....	3,630.2	3,608.3	3,605.3	299.8	297.9	309.9	8.3	8.3	8.6
New York City ²	3,012.0	2,991.0	2,987.0	265.0	270.0	277.0	8.8	9.0	9.3
Poughkeepsie.....	109.4	111.5	113.1	7.0	5.8	6.9	6.4	5.2	6.1
Rochester.....	476.3	475.8	482.9	32.7	30.3	34.8	6.9	6.4	7.2
Syracuse.....	306.7	300.0	300.7	26.3	21.2	24.1	8.6	7.1	8.0
Utica—Rome.....	136.6	133.0	137.7	12.5	10.2	12.1	9.2	7.7	8.8
NORTH CAROLINA	2,844.8	2,901.7	2,901.5	206.4	196.8	263.7	7.3	6.8	9.1
Asheville.....	86.2	87.7	87.8	6.5	5.8	7.5	7.5	6.7	8.6
Charlotte—Gastonia.....	363.7	372.5	371.0	18.2	17.9	24.1	5.0	4.8	6.5
Greensboro—Winston-Salem—High Point.....	435.1	446.7	446.4	26.0	23.6	32.5	6.0	5.3	7.3
Raleigh—Durham.....	304.0	312.3	307.6	10.4	11.1	13.9	3.4	3.6	4.5
NORTH DAKOTA	281.7	296.3	289.9	19.2	17.1	18.6	6.8	5.8	6.4
Fargo—Moorehead ¹	68.8	71.3	68.8	4.9	3.6	3.5	7.2	5.0	5.2
OHIO²	4,955.0	5,072.7	5,031.6	521.2	600.1	598.1	10.5	11.8	11.9
Akron.....	N.A.	N.A.	298.7	N.A.	N.A.	34.2	N.A.	N.A.	11.5
Canton.....	N.A.	N.A.	187.7	N.A.	N.A.	23.6	N.A.	N.A.	12.6
Cincinnati ¹	N.A.	N.A.	666.0	N.A.	N.A.	70.9	N.A.	N.A.	10.7
Cleveland.....	N.A.	N.A.	907.3	N.A.	N.A.	84.4	N.A.	N.A.	9.3
Columbus.....	N.A.	N.A.	554.9	N.A.	N.A.	48.8	N.A.	N.A.	8.8
Dayton.....	N.A.	N.A.	388.9	N.A.	N.A.	39.8	N.A.	N.A.	10.2
Toledo ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Youngstown—Warren.....	N.A.	N.A.	233.1	N.A.	N.A.	36.5	N.A.	N.A.	15.7
OKLAHOMA	1,388.2	1,472.4	1,453.3	60.6	56.4	71.7	4.4	3.8	4.9
Enid.....	29.0	30.0	29.6	1.0	.8	1.1	3.6	2.7	3.7
Lawton.....	33.6	35.3	34.0	1.8	1.8	1.5	5.3	5.2	4.4
Oklahoma City.....	425.7	458.1	454.0	16.8	15.1	23.8	3.9	3.3	5.3
Tulsa.....	342.7	364.4	360.8	13.9	12.8	15.5	4.1	3.5	4.3
OREGON	N.A.	N.A.	1,309.0	N.A.	N.A.	165.7	N.A.	N.A.	12.7
Eugene—Springfield.....	N.A.	N.A.	139.1	N.A.	N.A.	19.5	N.A.	N.A.	14.0
Portland ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Salem.....	N.A.	N.A.	121.9	N.A.	N.A.	14.0	N.A.	N.A.	11.5
PENNSYLVANIA²	5,422.4	5,436.7	5,423.0	497.0	506.4	641.9	9.2	9.3	11.8
Allentown—Bethlehem—Easton ¹	315.5	312.2	310.0	32.3	30.9	36.4	10.2	9.9	11.7
Altoona.....	58.1	57.6	58.3	8.8	7.7	10.4	15.2	13.4	17.9
Erie.....	124.3	124.0	122.4	13.3	12.4	15.0	10.7	10.0	12.2
Harrisburg.....	232.9	233.9	235.8	15.7	14.4	20.6	6.7	6.2	8.7
Johnstown.....	109.2	104.8	104.7	16.2	15.4	19.3	14.9	14.7	18.5
Lancaster.....	179.1	183.8	183.7	11.8	12.2	18.3	6.6	6.6	10.0
Northeast Pennsylvania.....	289.8	287.4	285.5	35.5	34.2	38.1	12.2	11.9	13.3
Philadelphia ¹	2,158.2	2,168.3	2,144.1	158.6	174.2	204.7	7.3	8.0	9.5
Pittsburgh.....	1,028.4	1,026.5	1,027.7	84.6	84.7	117.1	8.2	8.3	11.4
Reading.....	158.2	160.5	160.5	13.9	13.4	18.9	8.8	8.3	11.8
Williamsport.....	53.0	53.0	53.3	6.9	6.0	7.7	13.0	11.3	14.4
York.....	178.9	178.5	181.5	16.6	14.5	22.2	9.3	8.1	12.2
RHODE ISLAND	467.4	481.7	472.5	36.8	36.6	45.5	7.9	7.6	9.6
Providence—Warwick—Pawtucket ¹	463.3	476.5	469.0	36.0	36.4	45.3	7.8	7.6	9.7
SOUTH CAROLINA	1,374.2	1,413.7	1,405.8	111.6	130.3	160.5	8.1	9.2	11.4
Charleston—North Charleston.....	165.4	171.5	169.2	12.2	13.2	17.1	7.4	7.7	10.1
Columbia.....	185.0	189.0	184.9	10.3	11.6	13.5	5.5	6.1	7.3
Greenville—Spartanburg.....	279.9	288.3	284.0	19.2	25.8	27.5	6.8	9.0	9.7
SOUTH DAKOTA	315.0	323.3	310.6	20.0	17.6	19.0	6.4	5.4	6.1
Rapid City.....	39.3	39.6	38.1	3.2	2.5	2.5	8.0	6.4	6.5
Sioux Falls.....	61.9	63.8	61.3	3.9	3.4	3.6	6.3	5.3	5.8
TENNESSEE	2,069.6	2,111.8	2,101.5	198.5	216.5	254.1	9.6	10.3	12.1
Chattanooga ¹	N.A.	N.A.	205.0	N.A.	N.A.	25.1	N.A.	N.A.	12.2
Knoxville.....	N.A.	N.A.	226.2	N.A.	N.A.	19.0	N.A.	N.A.	8.4
Memphis ¹	N.A.	N.A.	404.8	N.A.	N.A.	40.0	N.A.	N.A.	9.9
Nashville—Davidson.....	N.A.	N.A.	426.5	N.A.	N.A.	35.5	N.A.	N.A.	8.3

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		
	JAN. 1981	DEC. 1981	JAN. 1982 ^p	JAN. 1981	DEC. 1981	JAN. 1982 ^p	JAN. 1981	DEC. 1981	JAN. 1982 ^p
TEXAS²	6,929.1	7,127.4	7,162.6	395.5	324.9	425.7	5.7	4.6	5.9
Abilene	73.0	77.7	73.8	2.0	3.7	2.8	2.8	4.7	3.7
Amarillo	90.1	95.0	96.5	3.9	4.1	7.0	4.3	4.3	7.2
Austin	274.6	286.2	285.8	10.2	9.4	13.1	3.7	3.3	4.6
Beaumont—Port Arthur—Orange	178.9	175.3	178.5	12.6	9.4	14.0	7.0	5.4	7.8
Corpus Christi	149.4	154.1	159.0	9.3	7.8	10.1	6.2	5.1	6.4
Dallas—Fort Worth	1,625.3	1,670.4	1,678.2	81.0	65.6	90.7	5.0	3.9	5.4
El Paso	186.3	186.4	185.8	19.5	13.4	17.1	10.5	7.2	9.2
Galveston—Texas City	85.6	87.7	88.3	6.9	5.6	7.4	8.0	6.4	8.4
Houston	1,613.6	1,707.3	1,709.7	67.6	67.0	79.7	4.2	3.9	4.7
Longview—Marshall	74.1	74.4	75.5	5.0	3.7	5.0	6.8	4.9	6.6
Lubbock	104.6	106.8	105.2	5.0	3.8	4.6	4.8	3.6	4.4
Midland	56.1	62.1	62.7	2.5	2.1	3.4	4.5	3.3	5.4
Odessa	69.0	74.2	74.5	3.4	3.0	3.4	5.0	4.1	4.6
San Angelo	44.9	48.5	47.5	1.5	2.4	2.0	3.3	4.9	4.2
San Antonio	454.2	457.2	461.9	31.2	24.2	31.9	6.9	5.3	6.9
Sherman—Denison	42.2	41.8	41.7	3.1	3.2	3.0	7.3	7.7	7.3
Waco	83.4	83.1	83.0	4.6	3.0	4.4	5.5	3.6	5.3
Wichita Falls	65.7	67.0	66.7	3.6	2.6	3.0	5.4	3.8	4.5
UTAH	630.7	654.5	661.6	47.3	43.7	57.4	7.5	6.7	8.7
Salt Lake City—Ogden	416.8	430.3	434.9	30.5	28.0	35.8	7.3	6.5	8.2
VERMONT	255.2	260.7	260.6	16.8	15.0	20.6	6.6	5.8	7.9
VIRGINIA	2,536.5	2,614.1	2,607.2	154.5	167.4	202.4	6.1	6.4	7.8
Lynchburg	N.A.	N.A.	74.9	N.A.	N.A.	4.6	N.A.	N.A.	6.1
Newport News—Hampton	N.A.	N.A.	165.1	N.A.	N.A.	12.2	N.A.	N.A.	7.4
Norfolk—Virginia Beach—Portsmouth ¹	N.A.	N.A.	337.4	N.A.	N.A.	28.5	N.A.	N.A.	8.4
Petersburg—Colonial Heights—Hopewell	N.A.	N.A.	59.3	N.A.	N.A.	5.7	N.A.	N.A.	9.6
Richmond	N.A.	N.A.	336.2	N.A.	N.A.	17.9	N.A.	N.A.	5.3
Roanoke	N.A.	N.A.	110.2	N.A.	N.A.	8.4	N.A.	N.A.	7.7
WASHINGTON	1,965.6	1,976.1	1,961.5	188.2	223.6	244.1	9.6	11.3	12.4
Seattle—Everett	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Spokane	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Tacoma	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
WEST VIRGINIA	787.2	774.2	780.6	97.8	77.6	101.2	12.4	10.0	13.0
Charleston	N.A.	N.A.	126.2	N.A.	N.A.	12.7	N.A.	N.A.	10.0
Huntington—Ashland ¹	N.A.	N.A.	126.1	N.A.	N.A.	15.4	N.A.	N.A.	12.3
Parkersburg—Marietta ¹	N.A.	N.A.	72.5	N.A.	N.A.	8.7	N.A.	N.A.	12.0
Wheeling ¹	N.A.	N.A.	83.9	N.A.	N.A.	10.5	N.A.	N.A.	12.5
WISCONSIN	2,314.8	2,367.7	2,322.3	199.8	205.6	227.1	8.6	8.7	9.8
Appleton—Oshkosh	N.A.	N.A.	144.6	N.A.	N.A.	13.5	N.A.	N.A.	9.3
Eau Claire	N.A.	N.A.	56.4	N.A.	N.A.	5.5	N.A.	N.A.	9.8
Green Bay	N.A.	N.A.	88.4	N.A.	N.A.	8.0	N.A.	N.A.	9.0
Janeville—Beloit	N.A.	N.A.	69.1	N.A.	N.A.	11.6	N.A.	N.A.	16.8
Kenosha	N.A.	N.A.	58.7	N.A.	N.A.	7.8	N.A.	N.A.	13.3
La Crosse	N.A.	N.A.	48.7	N.A.	N.A.	4.2	N.A.	N.A.	8.6
Madison	N.A.	N.A.	180.9	N.A.	N.A.	12.0	N.A.	N.A.	6.6
Milwaukee	N.A.	N.A.	701.8	N.A.	N.A.	56.2	N.A.	N.A.	8.0
Racine	N.A.	N.A.	83.1	N.A.	N.A.	11.0	N.A.	N.A.	13.2
WYOMING	233.3	242.5	241.5	10.9	10.8	11.2	4.7	4.5	4.6

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.)

becomes available. Data refer to place of residence.

p = preliminary.

N.A. = not available.

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

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

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

ESTABLISHMENT DATA SEASONALLY ADJUSTED

Revised seasonally adjusted real earnings series of production or nonsupervisory workers¹ on private nonagricultural payrolls

Seasonally adjusted constant dollar earnings series have been revised to reflect seasonal experience in the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) through December 1981. This revision affected constant dollar earnings data from January 1967 through December 1981.

Seasonally adjusted average weekly earnings in constant 1977 dollars appear currently in table C-8. They are also published along with average hourly earnings in 1977 dollars in the Real Earnings press release.

Gross average hourly earnings - 1977 dollars

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$4.54	\$4.56	\$4.57	\$4.58	\$4.59	\$4.59	\$4.61	\$4.65	\$4.65	\$4.61	\$4.64	\$4.65
1965.....	4.64	4.68	4.71	4.69	4.71	4.69	4.72	4.74	4.73	4.76	4.77	4.75
1966.....	4.76	4.75	4.76	4.77	4.78	4.79	4.79	4.77	4.80	4.79	4.81	4.81
1967.....	4.83	4.83	4.84	4.85	4.84	4.86	4.88	4.88	4.86	4.87	4.88	4.88
1968.....	4.90	4.90	4.93	4.95	4.95	4.97	4.96	4.97	4.99	4.98	4.98	5.01
1969.....	5.01	5.03	5.00	5.02	5.03	5.04	5.03	5.04	5.03	5.04	5.05	5.03
1970.....	5.02	5.02	5.03	5.01	5.02	5.03	5.05	5.07	5.05	5.02	5.03	5.04
1971.....	5.08	5.10	5.14	5.14	5.16	5.15	5.15	5.18	5.18	5.19	5.19	5.21
1972.....	5.30	5.29	5.32	5.34	5.34	5.33	5.35	5.38	5.39	5.41	5.40	5.43
1973.....	5.42	5.40	5.39	5.40	5.37	5.38	5.43	5.34	5.35	5.33	5.33	5.31
1974.....	5.27	5.24	5.22	5.20	5.22	5.25	5.23	5.21	5.19	5.18	5.13	5.13
1975.....	5.10	5.10	5.11	5.10	5.11	5.11	5.08	5.11	5.11	5.08	5.10	5.08
1976.....	5.10	5.12	5.14	5.15	5.17	5.18	5.18	5.20	5.20	5.20	5.22	5.23
1977.....	5.22	5.21	5.21	5.22	5.23	5.23	5.25	5.24	5.27	5.29	5.27	5.26
1978.....	5.28	5.28	5.28	5.32	5.30	5.28	5.29	5.29	5.29	5.29	5.26	5.27
1979.....	5.26	5.24	5.22	5.17	5.17	5.16	5.13	5.12	5.09	5.05	5.03	5.02
1980.....	4.96	4.93	4.92	4.90	4.88	4.88	4.89	4.90	4.88	4.88	4.87	4.85
1981.....	4.85	4.84	4.85	4.86	4.85	4.86	4.81	4.83	4.80	4.79	4.81	4.79

Gross average weekly earnings - 1977 dollars

Year	January	February	March	April	May	June	July	August	September	October	November	December
1964.....	\$174.34	\$176.46	\$176.80	\$177.67	\$177.64	\$177.64	\$178.38	\$179.90	\$178.50	\$178.44	\$179.59	\$180.93
1965.....	180.58	181.62	183.20	182.01	182.81	181.65	182.73	182.99	182.18	184.24	184.64	184.41
1966.....	184.33	184.96	184.86	184.43	184.33	184.71	185.07	184.04	184.67	184.35	184.57	184.57
1967.....	185.64	183.85	184.07	183.96	184.10	184.81	185.03	185.53	184.86	184.73	185.58	185.12
1968.....	184.81	185.81	186.33	186.02	187.51	188.18	187.86	188.02	189.17	188.35	187.35	188.31
1969.....	189.32	188.95	188.51	189.13	190.27	189.55	189.75	190.05	189.74	189.53	189.32	189.21
1970.....	187.90	187.89	187.67	186.30	186.88	186.66	187.74	188.10	186.00	185.35	185.63	185.91
1971.....	187.31	188.13	189.53	189.52	190.33	190.03	188.99	191.09	189.54	191.62	192.12	192.90
1972.....	195.61	195.56	196.90	198.23	197.12	197.37	197.33	198.37	199.39	200.67	199.80	199.73
1973.....	199.63	199.83	200.01	200.17	198.76	199.23	200.99	196.93	197.36	196.24	197.20	195.56
1974.....	193.48	192.94	191.63	189.33	191.73	192.05	191.33	190.04	190.02	188.48	185.68	185.13
1975.....	184.26	183.23	182.90	183.19	183.39	184.08	183.03	185.04	185.02	183.99	184.76	184.46
1976.....	185.24	186.02	185.58	185.96	187.23	187.59	187.54	187.57	187.20	187.15	187.88	188.22
1977.....	185.71	187.73	187.51	188.00	188.85	188.80	189.68	189.29	189.60	190.81	189.15	188.93
1978.....	186.74	187.92	189.62	191.43	190.14	190.23	190.33	189.75	189.30	189.89	188.32	188.74
1979.....	186.60	186.40	186.90	182.56	184.40	184.56	183.60	182.61	181.84	179.72	178.99	178.70
1980.....	175.49	174.56	173.70	172.80	171.69	171.86	171.76	172.53	172.17	172.09	171.89	171.19
1981.....	171.24	170.32	171.07	172.18	171.25	170.92	169.95	170.09	167.56	167.74	168.33	167.21

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.

Revised Annual Averages Household Data

HOUSEHOLD DATA HISTORICAL

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

(Numbers in thousands)

Year	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
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.....	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 ¹	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,667	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,272	85,959	61.3	82,771	78,678	3,463	75,215	4,093	4.9	54,315
1971.....	143,033	87,198	61.0	84,382	79,367	3,394	75,972	5,016	5.9	55,834
1972 ²	146,574	89,484	61.1	87,034	82,153	3,484	78,669	4,882	5.6	57,091
1973 ²	149,423	91,756	61.4	89,429	85,064	3,470	81,594	4,365	4.9	57,667
1974.....	152,349	94,179	61.8	91,949	86,794	3,515	83,279	5,156	5.6	58,171
1975.....	155,333	95,955	61.8	93,775	85,846	3,408	82,438	7,929	8.5	59,377
1976.....	158,294	98,302	62.1	96,158	88,752	3,331	85,421	7,406	7.7	59,991
1977.....	161,166	101,142	62.8	99,009	92,017	3,283	88,734	6,991	7.1	60,025
1978 ²	164,027	104,368	63.6	102,251	96,048	3,387	92,661	6,202	6.1	59,659
1979.....	166,951	107,050	64.1	104,962	98,824	3,347	95,477	6,137	5.8	59,900
1980.....	169,848	109,042	64.2	106,940	99,303	3,364	95,938	7,637	7.1	60,806
1981.....	172,272	110,812	64.3	108,670	100,397	3,368	97,030	8,273	7.6	61,460

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.

NOTE: Beginning with data for January 1982, population counts derived from the 1980 census have been incorporated into the estimation procedures used in Current Population Survey. All data for 1981 have been revised based on the new census population counts, and adjustments have been made in the major data series for 1980 back to 1970. For additional information, see "Revisions in the Current Population Survey Beginning in January 1982" in the February 1982 issue of this publication.

**HOUSEHOLD DATA
HISTORICAL**

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

[Numbers in thousands]

Year	Total noninsti- tutional popula- tion	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of popu- lation	Total	Employed			Unemployed		
					Total	Agri- culture	Nonagri- cultural indus- tries	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.....	56,440	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.....	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962 ¹	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,452	54,376	80.6	51,228	48,990	2,862	46,128	2,238	4.4	13,076
1971.....	68,718	54,956	80.0	52,180	49,390	2,795	46,595	2,789	5.3	13,762
1972.....	70,241	55,961	79.7	53,555	50,896	2,849	48,047	2,659	5.0	14,280
1973 ¹	71,567	56,900	79.5	54,624	52,349	2,847	49,502	2,275	4.2	14,667
1974.....	72,971	57,902	79.3	55,739	53,024	2,919	50,105	2,714	4.9	15,069
1975.....	74,383	58,390	78.5	56,299	51,857	2,824	49,032	4,442	7.9	15,993
1976.....	75,798	59,212	78.1	57,174	53,138	2,744	50,394	4,036	7.1	16,585
1977.....	77,211	60,414	78.2	58,396	54,728	2,671	52,057	3,667	6.3	16,797
1978 ¹	78,569	61,613	78.4	59,620	56,479	2,718	53,761	3,142	5.3	16,956
1979.....	79,968	62,676	78.4	60,726	57,607	2,686	54,921	3,120	5.1	17,293
1980.....	81,341	63,396	77.9	61,453	57,186	2,709	54,477	4,267	6.9	17,945
1981.....	82,476	63,939	77.5	61,974	57,397	2,700	54,697	4,577	7.4	18,537
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	1,164	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.....	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 ¹	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,822	31,583	43.4	31,543	29,688	601	29,087	1,855	5.9	41,239
1971.....	74,315	32,243	43.4	32,202	29,976	599	29,377	2,227	6.9	42,072
1972.....	76,333	33,522	43.9	33,479	31,257	635	30,622	2,222	6.6	42,811
1973 ¹	77,855	34,855	44.8	34,804	32,715	622	32,093	2,089	6.0	43,000
1974.....	79,379	36,278	45.7	36,211	33,769	596	33,173	2,441	6.7	43,101
1975.....	80,949	37,565	46.4	37,475	33,989	584	33,404	3,486	9.3	43,386
1976.....	82,496	39,089	47.4	38,983	35,615	588	35,027	3,369	8.6	43,406
1977.....	83,955	40,728	48.5	40,613	37,289	612	36,677	3,324	8.2	43,227
1978 ¹	85,459	42,755	50.0	42,631	39,569	669	38,900	3,061	7.2	42,703
1979.....	86,983	44,375	51.0	44,235	41,217	661	40,556	3,018	6.8	42,608
1980.....	88,507	45,646	51.6	45,487	42,117	656	41,461	3,370	7.4	42,861
1981.....	89,796	46,873	52.2	46,696	43,000	667	42,333	3,696	7.9	42,922

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

NOTE: See note table 1.

HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	63,939	77.5	61,974	57,397	4,577	7.4	18,537	361	3,896	1,617	12,663
16 to 21 years	8,703	68.0	3,054	6,603	1,451	18.0	4,105	23	3,104	32	947
16 to 19 years	5,056	60.4	4,777	3,815	962	20.1	3,316	18	2,556	15	726
16 to 17 years	1,973	48.1	1,957	1,526	431	22.0	2,130	10	1,687	7	427
18 to 19 years	3,082	72.2	2,820	2,289	531	18.8	1,185	7	869	9	299
20 to 64 years	57,017	89.2	55,331	51,770	3,560	6.4	6,919	176	1,340	1,143	4,254
20 to 24 years	9,395	86.5	8,648	7,504	1,144	13.2	1,468	13	953	47	455
25 to 54 years	40,450	94.2	39,513	37,357	2,156	5.5	2,470	98	377	605	1,389
25 to 29 years	3,386	94.2	3,017	8,295	721	8.0	574	15	226	50	272
30 to 34 years	8,725	95.9	8,463	7,971	492	5.8	374	20	81	74	199
35 to 39 years	5,868	96.0	5,685	6,373	312	4.7	289	18	27	81	163
40 to 44 years	5,567	94.8	5,480	5,241	240	4.4	304	13	20	33	179
45 to 49 years	4,976	93.4	4,948	4,741	207	4.2	353	13	17	112	212
50 to 54 years	4,928	89.5	4,920	4,737	183	3.7	575	19	7	185	364
55 to 64 years	7,171	70.6	7,170	6,909	261	3.6	2,981	65	10	495	2,411
55 to 59 years	4,405	81.2	4,404	4,243	161	3.7	1,019	34	6	286	734
60 to 64 years	2,766	58.5	2,766	2,667	100	3.6	1,962	31	4	250	1,677
65 years and over	1,866	18.4	1,866	1,812	55	2.9	8,303	167	1	453	7,683
65 to 69 years	1,080	27.8	1,080	1,046	34	3.2	2,808	43	1	145	2,620
70 years and over	786	12.5	786	766	20	2.6	5,495	124	--	307	5,063
White											
16 years and over	55,409	78.4	54,895	51,315	3,580	6.5	15,585	279	3,008	1,282	11,016
16 to 21 years	7,556	70.6	7,064	5,944	1,120	15.9	3,154	14	2,420	23	697
16 to 19 years	4,440	63.6	4,224	3,469	755	17.9	2,541	11	1,977	12	540
16 to 17 years	1,765	51.7	1,751	1,402	349	19.9	1,650	7	1,308	5	330
18 to 19 years	2,675	75.0	2,473	2,066	406	16.4	891	4	669	7	210
20 to 64 years	53,265	90.1	43,967	46,184	2,783	5.7	5,553	129	1,030	893	3,496
20 to 24 years	9,073	87.8	7,521	6,652	869	11.6	1,124	8	769	33	313
25 to 54 years	35,661	95.1	34,917	33,222	1,694	4.9	1,820	72	255	451	1,041
25 to 29 years	15,830	96.0	15,340	14,398	943	6.1	665	26	214	92	332
30 to 34 years	10,965	96.2	10,740	10,307	433	4.0	431	20	26	134	252
35 to 44 years	3,867	92.5	3,836	8,518	317	3.6	724	26	15	225	458
55 to 64 years	5,531	71.5	6,530	6,309	221	3.4	2,609	50	5	413	2,141
55 to 59 years	3,005	82.3	3,003	3,868	136	3.4	864	24	3	206	631
60 to 64 years	2,527	59.1	2,526	2,441	85	3.4	1,745	25	2	203	1,510
65 years and over	1,704	18.5	1,704	1,662	42	2.4	7,491	139	1	372	6,980
Black and other											
16 years and over	7,530	71.3	7,079	6,083	997	14.1	2,952	82	889	335	1,647
16 to 21 years	1,148	54.7	990	659	331	33.4	951	10	684	3	249
16 to 19 years	616	44.3	553	346	208	37.5	775	7	579	4	186
16 to 17 years	208	30.2	206	123	82	40.1	480	3	379	1	97
18 to 19 years	408	58.1	348	222	125	36.0	295	4	200	2	89
20 to 64 years	6,751	83.2	5,364	5,588	776	12.2	1,366	47	310	250	759
20 to 24 years	1,322	79.3	1,127	853	274	24.4	344	6	183	14	142
25 to 54 years	4,789	88.1	4,597	4,134	462	10.1	650	26	123	154	347
25 to 29 years	2,281	89.0	2,139	1,868	270	12.6	283	8	93	41	140
30 to 34 years	1,470	90.1	1,425	1,307	119	8.3	162	11	20	41	90
35 to 44 years	1,037	83.5	1,032	959	73	7.1	204	6	9	71	118
55 to 64 years	640	63.3	640	600	40	6.2	372	16	5	92	270
55 to 59 years	400	72.0	400	375	25	6.3	155	10	2	40	103
60 to 64 years	240	52.6	240	225	15	6.1	217	6	2	42	167
65 years and over	162	16.7	162	149	13	8.0	812	28	--	81	703

HOUSEHOLD DATA ANNUAL AVERAGES

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

[Numbers in thousands]

Sex, age, and race	1981										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	45,873	52.2	45,696	43,000	3,696	7.9	42,922	31,937	3,893	1,032	6,010
16 to 21 years	7,185	57.4	7,116	5,944	1,172	16.5	5,323	1,315	3,165	15	828
16 to 19 years	4,240	52.0	4,211	3,411	800	19.3	3,910	630	2,622	8	650
16 to 17 years	1,692	42.5	1,691	1,340	350	20.7	2,291	181	1,717	4	389
18 to 19 years	2,548	61.1	2,520	2,070	450	17.9	1,619	448	905	5	262
20 to 64 years	41,458	61.9	41,309	38,457	2,852	6.9	25,508	21,392	1,265	490	2,359
20 to 24 years	7,537	69.8	7,451	6,618	833	11.2	3,254	2,047	825	19	363
25 to 54 years	29,122	65.3	29,059	27,223	1,836	6.3	15,448	13,672	424	242	1,110
25 to 29 years	6,831	67.7	5,788	6,212	575	8.5	3,260	2,822	180	25	232
30 to 34 years	6,139	65.9	6,125	5,702	423	6.9	3,177	2,836	107	27	207
35 to 39 years	4,913	66.4	4,909	4,619	290	5.9	2,488	2,219	70	27	173
40 to 44 years	4,137	67.4	4,136	3,913	223	5.4	1,999	1,796	28	31	145
45 to 49 years	3,628	64.2	3,628	3,449	178	4.9	2,022	1,814	24	51	133
50 to 54 years	3,474	58.1	3,474	3,327	147	4.2	2,501	2,186	16	79	220
55 to 64 years	4,799	41.4	4,799	4,616	184	3.8	6,806	5,574	15	230	887
55 to 59 years	3,003	49.3	3,003	2,883	120	4.0	3,091	2,631	12	113	335
60 to 64 years	1,796	32.6	1,796	1,732	64	3.6	3,715	3,043	3	117	551
65 years and over	1,176	8.0	1,176	1,133	43	3.6	13,504	9,915	6	534	3,000
65 to 69 years	724	14.9	724	694	30	4.1	4,145	3,235	2	111	797
70 years and over	452	4.6	452	439	13	2.8	9,359	6,680	4	472	2,203
White											
16 years and over	41,285	51.9	41,157	37,394	2,762	6.9	37,272	28,355	2,970	847	5,099
16 to 21 years	6,298	60.5	6,250	5,376	874	14.0	4,107	1,040	2,436	13	623
16 to 19 years	3,759	55.5	3,739	3,119	620	16.6	3,013	500	2,012	5	496
16 to 17 years	1,524	46.1	1,523	1,242	281	18.4	1,780	145	1,326	2	307
18 to 19 years	2,235	64.4	2,216	1,877	339	15.3	1,234	355	687	3	189
20 to 64 years	35,477	61.7	35,369	33,262	2,107	6.0	22,015	18,747	953	374	1,942
20 to 24 years	7,167	71.6	6,406	5,826	580	9.1	2,559	1,657	626	14	263
25 to 54 years	28,776	65.0	28,729	23,359	1,370	5.5	13,345	11,938	315	195	907
25 to 29 years	10,909	66.5	10,868	10,153	715	6.6	5,494	4,902	204	44	344
30 to 34 years	7,708	66.4	7,704	7,311	394	5.1	3,902	3,518	78	45	262
35 to 44 years	6,158	60.9	6,157	5,896	261	4.2	3,949	3,519	33	37	300
55 to 64 years	4,235	40.9	4,235	4,077	158	3.7	6,111	5,152	12	175	772
55 to 59 years	2,654	49.1	2,654	2,551	103	3.9	2,752	2,367	9	83	293
60 to 64 years	1,581	32.0	1,581	1,526	55	3.5	3,359	2,785	3	93	479
65 years and over	1,049	7.9	1,049	1,013	36	3.4	12,243	9,108	5	469	2,661
Black and other											
16 years and over	6,588	53.8	6,539	5,606	933	14.3	5,651	3,582	923	235	911
16 to 21 years	886	42.2	866	568	298	34.4	1,216	275	729	5	205
16 to 19 years	481	34.9	472	291	181	38.3	897	129	609	4	154
16 to 17 years	168	24.7	168	98	69	41.4	511	36	392	2	82
18 to 19 years	313	44.8	305	193	111	36.5	386	93	218	2	73
20 to 64 years	5,981	63.1	5,940	5,194	746	12.6	3,492	2,646	312	116	418
20 to 24 years	1,070	60.6	1,045	793	253	24.2	695	390	199	6	100
25 to 54 years	4,346	67.4	4,330	3,863	466	10.8	2,103	1,734	109	57	204
25 to 29 years	2,360	68.6	2,045	1,761	284	13.9	943	756	83	10	95
30 to 34 years	1,342	69.6	1,341	1,221	119	8.9	585	497	20	13	55
35 to 44 years	944	62.2	944	881	64	6.7	574	481	7	33	53
55 to 64 years	565	44.9	565	539	26	4.6	694	522	3	54	115
55 to 59 years	349	50.7	349	333	17	4.7	339	263	3	30	42
60 to 64 years	216	37.8	216	206	9	4.3	355	259	1	24	72
65 years and over	127	9.1	127	120	7	5.7	1,262	807	1	115	338

HOUSEHOLD DATA ANNUAL AVERAGES

4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1980	1981	1980	1981	1980	1981	1980	1981
MALES								
16 years and over	63,396	63,939	77.9	77.5	61,453	61,974	77.4	77.0
16 to 19 years	5,277	5,056	61.8	60.4	4,999	4,777	60.5	59.0
16 to 17 years	2,120	1,973	50.3	48.1	2,102	1,957	50.1	47.9
18 to 19 years	3,157	3,082	73.0	72.2	2,897	2,820	71.3	70.4
20 to 24 years	9,342	9,395	85.8	86.5	8,607	8,648	85.9	85.5
25 to 54 years	39,640	40,450	94.3	94.2	38,712	39,513	94.2	94.1
25 to 34 years	17,587	18,111	95.3	95.0	16,971	17,479	95.2	94.9
35 to 44 years	12,111	12,435	95.5	95.4	11,836	12,166	95.5	95.4
45 to 54 years	9,942	9,904	91.2	91.4	9,905	9,868	91.2	91.4
55 to 64 years	7,243	7,171	72.1	70.6	7,242	7,170	72.1	70.6
55 to 59 years	4,437	4,405	81.8	81.2	4,435	4,404	81.7	81.2
60 to 64 years	2,807	2,766	60.8	58.5	2,807	2,766	60.8	58.5
65 years and over	1,993	1,866	19.0	18.4	1,893	1,866	19.0	18.4
White								
16 years and over	55,979	56,409	78.7	78.4	54,473	54,895	78.2	77.9
16 to 19 years	4,635	4,440	64.8	63.6	4,424	4,224	63.7	62.4
16 to 17 years	1,896	1,765	53.8	51.7	1,881	1,751	53.6	51.5
18 to 19 years	2,739	2,675	75.5	75.0	2,543	2,473	74.1	73.5
20 to 24 years	8,027	8,073	87.9	87.8	7,479	7,521	87.2	87.0
25 to 54 years	34,970	35,661	95.1	95.1	34,224	34,917	95.0	95.0
25 to 34 years	15,378	15,830	96.0	96.0	14,893	15,340	95.9	95.8
35 to 44 years	10,681	10,965	96.3	96.2	10,455	10,740	96.2	96.1
45 to 54 years	8,909	8,867	92.1	92.5	8,877	8,836	92.1	92.4
55 to 64 years	6,619	6,531	73.1	71.5	6,618	6,530	73.1	71.5
55 to 59 years	4,015	4,005	82.9	82.3	4,045	4,003	82.9	82.3
60 to 64 years	2,573	2,527	61.5	59.1	2,573	2,526	61.6	59.1
65 years and over	1,727	1,704	19.1	18.5	1,727	1,704	19.1	18.5
Black and other								
16 years and over	7,417	7,530	72.7	71.8	6,980	7,079	71.5	70.6
16 to 19 years	643	616	46.3	44.3	574	553	43.5	41.7
16 to 17 years	224	208	32.4	30.2	221	206	32.1	30.0
18 to 19 years	419	408	60.1	58.1	354	348	56.0	54.1
20 to 24 years	1,315	1,322	80.8	79.3	1,128	1,127	78.3	76.6
25 to 54 years	4,670	4,789	89.0	88.1	4,488	4,597	88.6	87.6
25 to 34 years	2,209	2,281	90.7	89.0	2,077	2,139	90.2	88.3
35 to 44 years	1,427	1,470	90.1	90.1	1,381	1,425	89.8	89.8
45 to 54 years	1,033	1,037	84.0	83.5	1,028	1,032	83.9	83.5
55 to 64 years	624	640	63.5	63.3	624	640	63.5	63.3
55 to 59 years	390	400	71.5	72.0	390	400	71.5	72.0
60 to 64 years	234	240	53.5	52.6	234	240	53.5	52.6
65 years and over	165	162	17.5	16.7	165	162	17.5	16.7

HOUSEHOLD DATA ANNUAL AVERAGES

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

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1980	1981	1980	1981	1980	1981	1980	1981
FEMALES								
16 years and over	45,646	46,873	51.6	52.2	45,487	46,696	51.5	52.1
16 to 19 years	4,407	4,240	53.0	52.0	4,381	4,211	52.9	51.8
16 to 17 years	1,782	1,692	43.6	42.5	1,781	1,691	43.6	42.5
18 to 19 years	2,625	2,548	62.1	61.1	2,599	2,520	61.9	60.9
20 to 24 years	7,392	7,537	69.1	69.8	7,315	7,451	68.9	69.6
25 to 54 years	27,941	29,122	64.0	65.3	27,888	29,059	64.0	65.3
25 to 34 years	12,305	12,970	65.5	66.8	12,257	12,912	65.5	66.7
35 to 44 years	8,631	9,050	65.5	66.9	8,627	9,045	65.5	66.8
45 to 54 years	7,005	7,102	59.9	61.1	7,004	7,101	59.9	61.1
55 to 64 years	4,742	4,799	41.3	41.4	4,742	4,799	41.3	41.4
55 to 59 years	2,954	3,003	48.5	49.3	2,953	3,003	48.5	49.3
60 to 64 years	1,790	1,796	33.2	32.6	1,790	1,796	33.2	32.6
65 years and over	1,161	1,176	8.1	8.0	1,161	1,176	8.1	8.0
White								
16 years and over	39,245	40,285	51.2	51.9	39,127	40,157	51.2	51.9
16 to 19 years	3,908	3,759	56.4	55.5	3,888	3,739	56.2	55.4
16 to 17 years	1,536	1,524	47.2	46.1	1,605	1,523	47.2	46.1
18 to 19 years	2,303	2,235	65.2	64.4	2,284	2,216	65.1	64.2
20 to 24 years	6,347	6,467	70.8	71.6	6,290	6,406	70.6	71.5
25 to 54 years	23,764	24,776	63.5	65.0	23,723	24,729	63.4	64.9
25 to 34 years	10,325	10,909	64.9	66.5	10,289	10,868	64.8	66.4
35 to 44 years	7,363	7,708	65.0	66.4	7,356	7,704	65.0	66.4
45 to 54 years	6,080	6,158	59.6	60.9	6,079	6,157	59.6	60.9
55 to 64 years	4,194	4,235	40.9	40.9	4,194	4,235	40.9	40.9
55 to 59 years	2,632	2,654	48.0	49.1	2,602	2,654	48.0	49.1
60 to 64 years	1,592	1,581	32.9	32.0	1,592	1,581	32.9	32.0
65 years and over	1,032	1,049	7.9	7.9	1,032	1,049	7.9	7.9
Black and other								
16 years and over	6,431	6,588	53.8	53.8	6,359	6,539	53.6	53.6
16 to 19 years	499	481	36.2	34.9	492	472	35.9	34.5
16 to 17 years	177	168	26.0	24.7	177	168	26.0	24.7
18 to 19 years	322	313	46.3	44.8	315	305	45.7	44.1
20 to 24 years	1,045	1,070	60.5	60.6	1,024	1,045	60.0	60.1
25 to 54 years	4,177	4,346	67.1	67.4	4,164	4,330	67.0	67.3
25 to 34 years	1,981	2,060	69.3	68.6	1,969	2,045	69.2	68.4
35 to 44 years	1,270	1,342	68.1	69.6	1,270	1,341	68.1	69.6
45 to 54 years	926	944	61.7	62.2	926	944	61.7	62.2
55 to 64 years	549	565	44.9	44.9	549	565	44.9	44.9
55 to 59 years	352	349	52.3	50.7	352	349	52.3	50.7
60 to 64 years	197	216	35.9	37.8	197	216	35.9	37.8
65 years and over	130	127	9.6	9.1	130	127	9.6	9.1

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5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	1981						Not in labor force	
	Civilian labor force					Total		
	Total	Employed			Unemployed			
		Total	Agriculture	Nonagricultural industries	Number			Percent of labor force
TOTAL								
16 years and over	11,086	9,355	184	9,171	1,731	15.6	7,134	
16 to 19 years	862	505	17	489	357	41.4	1,426	
16 to 17 years	308	170	6	164	139	44.8	853	
18 to 19 years	554	335	11	325	219	39.5	573	
20 to 24 years	1,828	1,346	20	1,326	483	26.4	813	
25 to 54 years	7,137	5,318	103	5,216	818	11.5	2,170	
25 to 34 years	3,365	2,872	32	2,840	493	14.7	924	
35 to 44 years	2,164	1,957	38	1,919	207	9.5	594	
45 to 54 years	1,608	1,489	33	1,456	119	7.4	652	
55 to 64 years	1,009	954	26	928	55	5.5	904	
55 to 59 years	621	586	14	571	36	5.7	415	
60 to 64 years	388	368	11	357	20	5.1	489	
65 years and over	249	231	19	212	17	7.0	1,820	
Males								
16 years and over	5,685	4,794	162	4,632	891	15.7	2,433	
16 to 19 years	462	273	14	260	188	40.7	649	
16 to 17 years	169	95	5	90	73	43.2	408	
18 to 19 years	293	178	9	170	115	39.2	240	
20 to 24 years	940	693	17	676	248	26.4	247	
25 to 54 years	3,624	3,211	90	3,123	411	11.3	517	
25 to 34 years	1,702	1,457	28	1,429	245	14.4	211	
35 to 44 years	1,093	991	32	959	102	9.3	131	
45 to 54 years	829	764	30	734	65	7.8	174	
55 to 64 years	524	492	24	468	32	6.1	320	
55 to 59 years	325	305	13	291	21	6.5	134	
60 to 64 years	199	187	10	177	12	6.0	185	
65 years and over	134	123	17	106	10	7.5	700	
Females								
16 years and over	5,401	4,561	22	4,539	840	15.6	4,701	
16 to 19 years	400	232	3	229	169	42.2	777	
16 to 17 years	139	75	1	74	65	46.5	445	
18 to 19 years	261	157	2	155	104	39.8	333	
20 to 24 years	888	653	3	650	235	26.4	566	
25 to 54 years	3,513	3,107	13	3,093	407	11.6	1,653	
25 to 34 years	1,663	1,415	4	1,411	248	14.9	713	
35 to 44 years	1,071	966	6	960	105	9.8	463	
45 to 54 years	779	725	3	722	54	6.9	478	
55 to 64 years	485	462	2	460	23	4.7	584	
55 to 59 years	296	281	1	280	15	4.9	281	
60 to 64 years	189	181	1	180	8	4.3	304	
65 years and over	115	108	2	106	7	6.0	1,120	

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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	1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
TOTAL									
Total noninstitutional population	25,316	12,809	12,508	21,115	10,710	10,406	4,201	2,099	2,102
Total labor force	15,888	8,703	7,185	13,854	7,556	6,298	2,034	1,143	886
Percent of population	62.8	68.0	57.4	65.6	70.6	60.5	48.4	54.7	42.2
Civilian labor force	15,170	8,054	7,116	13,314	7,064	5,250	1,856	990	866
Employed	12,548	6,603	5,944	11,320	5,944	5,376	1,227	659	568
Agriculture	560	466	94	529	438	90	32	28	4
Nonagricultural industries	11,987	6,137	5,851	10,792	5,506	5,286	1,195	631	564
Unemployed	2,622	1,451	1,172	1,993	1,120	874	629	331	298
Looking for full-time work	1,736	995	741	1,278	748	530	458	247	211
Looking for part-time work	886	456	430	715	372	343	171	84	87
Percent of labor force	17.3	18.0	16.5	15.0	15.9	14.0	33.9	33.4	34.4
Not in labor force	9,428	4,105	5,323	7,261	3,154	4,107	2,167	951	1,216
Major activity: going to school									
Civilian labor force	3,453	1,793	1,670	3,094	1,600	1,494	369	193	176
Employed	2,728	1,389	1,339	2,515	1,278	1,237	212	111	102
Agriculture	118	99	20	115	96	19	4	3	1
Nonagricultural industries	2,609	1,290	1,319	2,401	1,182	1,218	209	108	101
Unemployed	735	404	331	578	322	256	157	82	75
Looking for full-time work	116	65	51	78	45	33	38	20	18
Looking for part-time work	619	340	280	501	277	223	119	62	56
Percent of labor force	21.2	22.5	19.8	18.7	20.1	17.2	42.5	42.5	42.4
Not in labor force	6,269	3,104	3,165	4,856	2,420	2,436	1,413	684	729
Major activity: other									
Civilian labor force	11,707	6,261	5,445	10,220	5,464	4,756	1,487	797	690
Employed	9,820	5,214	4,605	8,805	4,666	4,139	1,015	548	467
Agriculture	442	368	74	414	343	71	28	25	3
Nonagricultural industries	9,378	4,847	4,531	8,391	4,323	4,068	987	523	463
Unemployed	1,887	1,046	841	1,415	798	617	472	249	223
Looking for full-time work	1,620	930	690	1,201	703	497	419	227	193
Looking for part-time work	267	116	151	214	94	120	53	22	31
Percent of labor force	16.1	16.7	15.4	13.8	14.6	13.0	31.8	31.2	32.4
Not in labor force	3,160	1,001	2,158	2,406	734	1,672	754	267	486

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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	
	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL								
Total noninstitutional population	169,848	172,272	72,802	74,105	83,196	81,646	16,850	16,521
Total labor force	109,042	110,812	58,119	58,883	41,237	42,634	9,685	9,295
Percent of population	64.2	64.3	79.8	79.5	51.4	52.2	57.5	56.3
Civilian labor force	106,940	108,670	56,455	57,197	41,106	42,485	9,378	8,988
Employed	99,303	100,397	53,101	53,582	38,492	39,590	7,710	7,225
Agriculture	3,364	3,368	2,396	2,384	584	604	385	380
Nonagricultural industries	95,938	97,030	50,706	51,199	37,907	38,986	7,325	6,845
Unemployed	7,637	8,273	3,353	3,615	2,615	2,895	1,669	1,753
Percent of labor force	7.1	7.6	5.9	6.3	6.4	6.8	17.3	19.6
Not in labor force	60,806	61,460	14,683	15,222	38,958	39,012	7,165	7,226
White								
Total noninstitutional population	147,747	149,551	63,989	65,013	69,673	70,785	14,085	13,753
Total labor force	95,224	96,694	51,344	51,969	35,336	36,525	8,543	8,199
Percent of population	64.5	64.7	80.2	79.9	50.7	51.6	60.7	59.6
Civilian labor force	93,600	95,052	50,049	50,671	35,239	36,418	8,312	7,962
Employed	87,715	88,709	47,419	47,846	33,275	34,275	7,021	6,588
Agriculture	3,087	3,109	2,180	2,183	545	567	361	359
Nonagricultural industries	84,629	85,600	45,239	45,663	32,729	33,708	6,661	6,229
Unemployed	5,884	6,343	2,629	2,825	1,964	2,143	1,291	1,374
Percent of labor force	6.3	6.7	5.3	5.6	5.6	5.9	15.5	17.3
Not in labor force	52,523	52,856	12,645	13,044	34,336	34,258	5,542	5,554
Black and other								
Total noninstitutional population	22,100	22,721	8,814	9,091	10,523	10,861	2,765	2,769
Total labor force	13,818	14,118	6,776	6,913	5,901	6,108	1,142	1,097
Percent of population	62.5	62.1	76.9	76.0	56.1	56.2	41.3	39.6
Civilian labor force	13,340	13,618	6,407	6,526	5,868	6,067	1,066	1,025
Employed	11,588	11,688	5,682	5,737	5,217	5,314	689	637
Agriculture	278	259	215	201	40	37	24	21
Nonagricultural industries	11,310	11,429	5,468	5,536	5,177	5,278	665	616
Unemployed	1,752	1,930	725	789	651	753	377	388
Percent of labor force	13.1	14.2	11.3	12.1	11.1	12.4	35.4	37.8
Not in labor force	8,283	8,603	2,038	2,178	4,622	4,754	1,623	1,672

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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	1981								
	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	92,921	81,358	4,768	6,795	7.3	15,719	14,271	1,477	9.4
16 to 21 years	9,784	6,820	1,228	1,736	17.7	5,386	4,500	886	16.5
16 to 19 years	4,734	2,350	777	1,007	21.3	4,254	3,498	755	17.8
16 to 17 years	1,095	542	274	279	25.5	2,553	2,050	503	19.7
18 to 19 years	3,639	2,408	503	728	20.0	1,701	1,448	253	14.9
20 years and over	88,187	78,408	3,991	5,788	6.6	11,495	10,773	722	6.3
20 to 24 years	13,909	11,184	978	1,747	12.6	2,190	1,960	230	10.5
25 years and over	74,278	67,225	3,012	4,041	5.4	9,305	8,813	492	5.3
25 to 54 years	62,223	56,138	2,460	3,625	5.8	6,348	5,982	366	5.8
55 years and over	12,054	11,387	552	415	3.4	2,957	2,831	126	4.3
Males, 16 years and over	56,992	50,750	2,284	3,958	6.9	4,982	4,363	619	12.4
16 to 21 years	5,492	3,379	618	995	18.1	2,562	2,106	456	17.8
16 to 19 years	2,681	1,722	395	564	21.0	2,096	1,698	399	19.0
16 to 17 years	54,312	43,328	1,890	3,394	6.2	2,885	2,665	220	7.6
18 to 19 years	7,794	6,251	495	1,048	13.4	854	758	96	11.2
20 years and over	46,518	42,776	1,394	2,347	5.0	2,031	1,906	124	6.1
20 to 24 years	38,695	35,473	1,126	2,094	5.4	819	757	61	7.4
25 years and over	7,823	7,303	268	252	3.2	1,213	1,149	63	5.2
Females, 16 years and over	35,929	30,508	2,483	2,837	7.9	10,767	9,909	858	8.0
16 to 21 years	4,292	2,341	609	741	17.3	2,824	2,394	430	15.2
16 to 19 years	2,054	1,228	382	444	21.6	2,157	1,800	357	16.5
20 years and over	33,875	29,380	2,101	2,394	7.1	8,610	8,108	502	5.8
20 to 24 years	6,115	4,332	483	699	11.4	1,336	1,202	134	10.0
25 years and over	27,761	24,449	1,618	1,695	6.1	7,273	6,906	368	5.1
25 to 54 years	23,530	20,665	1,334	1,531	6.5	5,229	5,225	305	5.5
55 years and over	4,231	3,784	284	164	3.9	1,744	1,682	63	3.6
White									
Males, 16 years and over	50,456	45,154	1,921	3,081	6.1	4,439	3,940	499	11.2
16 to 21 years	4,769	3,497	524	748	15.7	2,295	1,923	372	16.2
16 to 19 years	2,341	1,578	336	427	18.3	1,882	1,555	328	17.4
20 years and over	48,115	43,876	1,585	2,654	5.5	2,556	2,385	171	6.7
20 to 24 years	6,767	5,558	416	794	11.7	753	678	76	10.0
25 years and over	41,343	38,317	1,169	1,860	4.5	1,802	1,707	95	5.3
25 to 54 years	34,218	31,530	940	1,648	4.8	698	653	46	6.6
55 years and over	7,130	6,587	229	212	3.0	1,104	1,054	50	4.5
Females, 16 years and over	30,354	26,268	2,033	2,053	6.8	9,803	9,094	709	7.2
16 to 21 years	3,703	2,643	529	530	14.3	2,547	2,204	343	13.5
16 to 19 years	1,788	1,116	339	334	18.7	1,950	1,665	286	14.7
20 years and over	28,566	25,152	1,694	1,720	6.0	7,852	7,429	423	5.4
20 to 24 years	5,202	4,327	401	474	9.1	1,203	1,097	106	8.8
25 years and over	23,363	20,825	1,293	1,246	5.3	6,649	6,333	317	4.8
25 to 54 years	19,627	17,449	1,071	1,106	5.6	5,102	4,840	263	5.2
55 years and over	3,737	3,376	222	140	3.7	1,547	1,493	54	3.5
Black and other									
Males, 16 years and over	6,536	5,296	364	877	13.4	543	423	120	22.1
16 to 21 years	723	382	95	247	34.1	266	182	84	31.6
16 to 19 years	339	144	59	136	40.2	214	143	71	33.3
20 years and over	6,197	5,152	305	740	11.9	329	280	49	14.9
20 to 24 years	1,027	593	79	254	24.8	100	80	20	20.2
25 years and over	5,170	4,459	225	486	9.4	229	199	29	12.7
25 to 54 years	4,476	3,843	186	447	10.0	121	104	15	12.4
55 years and over	694	515	39	39	5.6	109	95	13	11.9
Females, 16 years and over	5,575	4,340	451	784	14.1	964	815	149	15.5
16 to 21 years	589	298	80	211	35.8	278	190	87	31.4
16 to 19 years	265	112	44	110	41.4	207	136	71	34.3
20 years and over	5,309	4,228	407	674	12.7	757	679	78	10.3
20 to 24 years	912	605	82	225	24.7	133	105	28	20.9
25 years and over	4,398	3,523	324	449	10.2	624	574	50	8.0
25 to 54 years	3,903	3,216	263	425	10.9	427	385	41	9.6
55 years and over	494	407	62	24	4.9	197	189	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	1981									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	108,670	63.9	100,397	8,273	7.6	61,460	32,298	7,790	2,699	18,673
Husbands	39,675	80.5	38,008	1,667	4.2	9,634	131	194	981	8,328
With employed wife	21,662	91.8	20,829	833	3.8	1,928	44	105	339	1,440
With unemployed wife	1,341	92.8	1,164	177	13.2	104	4	7	25	68
With wife not in labor force	16,672	68.7	16,015	657	3.9	7,602	84	82	617	6,820
Wives	25,035	50.8	23,590	1,445	5.8	24,274	21,649	303	304	2,018
With employed husband	21,993	57.9	20,829	1,164	5.3	16,015	14,765	249	111	889
With unemployed husband	1,010	60.6	833	177	17.6	657	601	15	6	36
With husband not in labor force	2,032	21.1	1,928	104	5.1	7,602	6,283	39	187	1,093
Relatives in married-couple families	13,714	62.8	11,709	2,004	14.6	8,114	908	4,883	288	2,034
16 to 19 years	6,145	56.0	5,118	1,027	16.7	4,830	166	3,734	17	913
20 to 24 years	5,085	76.4	4,395	691	13.6	1,575	141	1,052	28	354
25 years and over	2,484	59.3	2,196	286	11.5	1,709	601	97	243	767
Females who maintain families	5,577	60.0	4,998	579	10.4	3,717	2,882	129	136	570
Relatives in families maintained by females	4,631	56.5	3,607	1,024	22.1	3,566	834	1,378	245	1,110
16 to 19 years	1,405	47.6	947	459	32.6	1,545	121	1,077	4	342
20 to 24 years	1,481	72.4	1,142	339	22.9	566	125	246	21	175
25 years and over	1,745	54.5	1,518	226	13.0	1,455	588	55	220	593
Males who maintain families	1,828	76.0	1,696	133	7.3	578	29	32	67	449
Relatives in families maintained by males	1,467	59.0	1,247	220	15.0	1,020	424	257	59	280
16 to 19 years	340	57.6	262	79	23.1	251	22	179	2	48
20 to 24 years	431	77.2	361	70	16.2	127	34	60	2	31
25 years and over	696	52.0	624	71	10.2	642	368	18	55	201
Persons living alone	10,309	53.8	9,733	576	5.6	8,863	4,888	195	511	3,270
Males	3,785	84.5	3,408	377	10.0	696	13	225	72	385
Females	2,796	75.9	2,557	239	8.5	886	493	149	36	207
All others ¹	6,434	79.1	5,809	625	9.7	1,694	553	419	108	614

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	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	4,267	4,577	6.9	7.4	3,370	3,696	7.4	7.9
Married, spouse present	1,709	1,766	4.2	4.3	1,448	1,513	5.8	6.0
Widowed, divorced, or separated	437	495	8.6	9.1	626	744	7.2	8.1
Single (never married)	2,120	2,316	13.6	14.6	1,298	1,439	10.9	11.9
White, 16 years and over	3,345	3,580	6.1	6.5	2,540	2,762	6.5	6.9
Married, spouse present	1,445	1,473	3.9	4.0	1,226	1,270	5.5	5.6
Widowed, divorced, or separated	317	367	7.6	8.3	444	529	6.4	7.2
Single (never married)	1,582	1,740	11.9	12.8	870	963	8.8	9.5
Black and other, 16 years and over	922	997	13.2	14.1	830	933	13.1	14.3
Married, spouse present	264	293	7.0	7.8	222	243	8.1	9.0
Widowed, divorced, or separated	120	128	13.0	12.9	182	215	10.7	11.8
Single (never married)	538	575	23.4	24.8	428	476	22.1	23.7
Total, 20 to 64 years of age	3,295	3,560	6.0	6.4	2,578	2,852	6.5	6.9
Married, spouse present	1,638	1,704	4.2	4.4	1,355	1,430	5.6	5.8
Widowed, divorced, or separated	424	482	8.7	9.3	592	698	7.5	8.3
Single (never married)	1,234	1,373	11.5	12.2	633	724	8.1	8.8
White, 20 to 64 years of age	2,586	2,783	5.4	5.7	1,933	2,107	5.7	6.0
Married, spouse present	1,388	1,423	3.9	4.0	1,144	1,196	5.3	5.4
Widowed, divorced, or separated	308	358	7.8	8.5	416	491	6.6	7.3
Single (never married)	890	1,002	9.9	10.6	373	419	5.9	6.3
Black and other, 20 to 64 years of age	710	776	11.4	12.2	645	746	11.2	12.6
Married, spouse present	251	281	6.9	7.7	211	234	8.0	8.8
Widowed, divorced, or separated	116	124	13.2	13.1	175	207	10.8	11.9
Single (never married)	342	371	19.8	20.9	258	305	17.5	19.6

11. Unemployed persons by occupation and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	7,637	8,273	7.1	7.6	6.9	7.4	7.4	7.9
White-collar workers	1,999	2,223	3.7	4.0	2.7	2.8	4.6	5.1
Professional and technical	406	469	2.5	2.8	2.0	2.3	3.1	3.4
Managers and administrators, except farm	276	317	2.4	2.7	2.0	2.1	3.5	4.1
Sales workers	289	308	4.4	4.6	3.5	3.4	5.4	5.9
Clerical workers	1,029	1,129	5.3	5.7	4.8	5.1	5.4	5.9
Blue-collar workers	3,495	3,608	10.0	10.3	9.4	9.8	12.6	12.7
Craft and kindred workers	905	1,022	6.6	7.5	6.6	7.5	6.9	6.4
Carpenters and other construction workers	461	521	10.6	12.3	10.6	12.3	(1)	12.7
All other	444	501	4.8	5.3	4.6	5.3	6.4	5.8
Operatives, except transport	1,471	1,465	12.2	12.2	11.1	11.0	13.9	14.0
Transport equipment operatives	342	330	8.8	8.7	8.9	8.8	7.7	7.5
Nonfarm laborers	779	792	14.6	14.7	14.8	14.8	12.6	14.2
Construction laborers	225	238	21.6	23.0	21.3	22.7	(1)	(1)
All other	554	554	12.9	12.8	13.0	12.7	11.7	13.4
Service workers	1,139	1,307	7.9	8.9	8.1	9.3	7.7	8.6
Private household	52	54	4.6	4.9	(1)	(1)	4.6	4.9
All other	1,088	1,253	8.2	9.2	8.2	9.3	8.2	9.1
Farm workers	131	153	4.6	5.3	3.7	4.6	7.4	8.3
No previous work experience	873	982	--	--	--	--	--	--
16 to 19 years	644	729	--	--	--	--	--	--
20 to 24 years	147	164	--	--	--	--	--	--
25 years and over	84	88	--	--	--	--	--	--

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	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	100.0	100.0	7.1	7.6	6.9	7.4	7.4	7.9
Nonagricultural private wage and salary workers	75.7	74.5	7.4	7.7	7.4	7.7	7.3	7.7
Mining	.9	.8	6.4	6.0	6.7	6.4	4.5	4.2
Construction	9.7	9.8	14.1	15.6	14.6	16.0	8.9	11.1
Manufacturing	26.1	23.1	8.5	8.3	7.4	7.1	10.8	10.6
Durable goods	16.4	13.8	8.9	8.2	8.2	7.4	10.9	10.2
Lumber and wood products	1.2	1.0	13.4	12.6	13.6	12.0	12.0	16.2
Furniture and fixtures	.7	.6	9.0	8.7	8.5	7.3	10.3	11.7
Stone, clay, and glass products	.8	.7	9.2	8.6	8.2	8.0	12.4	10.7
Primary metal industries	1.7	1.3	9.8	8.5	9.5	8.3	11.9	10.3
Fabricated metal products	2.1	1.8	9.9	9.6	8.6	8.9	14.3	11.9
Machinery, except electrical equipment	2.2	2.1	5.6	5.9	5.2	5.3	7.1	7.7
Electrical equipment	2.2	2.1	6.8	6.8	4.8	4.6	9.3	9.5
Transportation equipment	4.2	2.9	13.6	10.4	12.8	10.0	17.2	12.4
Automobiles	3.4	2.1	20.4	14.7	18.9	13.3	28.0	21.5
Other transportation equipment	.8	.8	5.8	5.9	5.8	6.3	5.4	4.2
Instruments and related products	.4	.4	4.9	5.1	3.1	3.5	7.2	7.3
Other durable goods industries	.9	.8	9.2	9.1	6.1	6.9	13.5	12.4
Nondurable goods	9.6	9.4	7.9	8.4	5.9	6.5	10.7	11.1
Food and kindred products	2.3	2.4	8.9	10.1	6.8	7.9	13.4	15.0
Textile mill products	1.0	1.1	8.4	10.6	6.5	10.0	10.4	11.1
Apparel and other textile products	2.2	1.9	11.6	11.5	8.9	9.1	12.2	12.1
Paper and allied products	.7	.5	6.9	5.3	5.7	3.9	10.6	9.9
Printing and publishing	1.2	1.0	5.8	5.4	5.0	4.6	7.0	6.5
Chemicals and allied products	.8	.8	4.5	5.1	3.6	4.0	7.0	7.8
Rubber and plastics products	1.0	1.0	9.7	10.9	8.1	9.0	12.4	14.1
Other nondurable goods industries	.6	.7	7.1	8.9	4.9	6.8	10.2	11.4
Transportation and public utilities	3.7	3.7	4.9	5.2	5.1	5.7	4.4	3.9
Railroads and railway express	.4	.4	4.6	6.1	4.7	6.2	5.2	4.6
Other transportation	2.6	2.6	7.5	7.7	7.7	8.2	6.7	6.0
Communication and other public utilities	.7	.7	2.2	2.3	1.7	2.2	3.1	2.5
Wholesale and retail trade	18.9	19.4	7.4	8.1	6.6	7.1	8.3	3.0
Finance, insurance, and real estate	2.5	2.4	3.4	3.5	3.2	3.0	3.5	3.8
Service industries	14.0	15.2	5.9	6.6	6.3	6.9	5.8	6.5
Professional services	5.6	6.3	4.1	4.7	3.6	3.9	4.3	5.0
All other service industries	8.4	8.9	8.5	9.4	8.7	9.6	8.4	9.1
Agricultural wage and salary workers	2.3	2.4	11.0	12.1	9.7	11.0	15.1	16.0
All other classes of workers	10.6	11.2	3.1	3.6	2.8	3.2	3.5	4.1
No previous work experience	11.4	11.9	--	--	--	--	--	--

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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		Whites		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands.....	7,637	8,273	3,353	3,615	2,615	2,895	1,669	1,763	5,884	6,343	1,752	1,930
Job losers.....	3,947	4,267	2,389	2,565	1,170	1,317	388	385	3,100	3,335	847	932
On layoff.....	1,488	1,430	937	892	449	444	103	93	1,244	1,206	244	224
Other job losers.....	2,459	2,837	1,452	1,673	720	873	286	292	1,855	2,129	603	708
Job leavers.....	891	923	359	356	376	404	156	162	733	758	157	164
Reentrants.....	1,927	2,132	516	592	930	1,023	481	487	1,447	1,565	480	537
New entrants.....	872	981	90	102	139	151	643	728	603	684	270	296
PERCENT DISTRIBUTION												
Total unemployed.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers.....	51.7	51.6	71.3	71.0	44.7	45.4	23.3	21.9	52.7	52.6	48.3	48.3
On layoff.....	19.5	17.3	27.9	24.7	17.2	15.3	6.1	5.3	21.1	19.0	13.9	11.6
Other job losers.....	32.1	34.3	43.2	46.3	27.5	30.1	17.1	16.6	31.5	33.6	34.2	36.7
Job leavers.....	11.7	11.2	10.7	9.9	14.4	14.0	9.4	9.2	12.5	12.0	9.3	8.5
Reentrants.....	25.2	25.4	15.4	16.4	35.6	35.3	28.8	27.6	24.6	24.7	27.4	27.8
New entrants.....	11.4	11.9	2.7	2.8	5.3	5.2	38.5	41.3	10.2	10.8	15.4	15.4
UNEMPLOYMENT RATE												
Total unemployment rate.....	7.1	7.6	5.9	6.3	6.4	6.8	17.8	19.6	6.3	6.7	13.1	14.2
Job losers rate ¹	3.7	3.9	4.2	4.5	2.8	3.1	4.1	4.3	3.3	3.5	6.3	6.8
On layoff.....	.8	.8	.6	.6	.9	1.0	1.7	1.8	.8	.8	1.2	1.2
Other job losers.....	1.8	1.9	.9	1.0	2.3	2.4	5.1	5.4	1.5	1.6	3.6	3.9
Job leavers rate ¹.....	.8	.9	.2	.2	.3	.4	6.9	8.1	.6	.7	2.0	2.2

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	1981						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over		
					Total	15 to 26 weeks	27 weeks and over
Total, 16 years and over.....	8,273	100.0	41.7	30.7	27.6	13.6	14.0
Job losers.....	4,267	100.0	34.9	31.0	34.1	16.0	18.1
On layoff.....	1,430	100.0	46.7	28.5	24.8	12.4	12.4
Other job losers.....	2,837	100.0	29.0	32.2	38.8	17.9	20.9
Job leavers.....	923	100.0	45.1	31.7	23.1	12.0	11.1
Reentrants.....	2,102	100.0	50.2	30.1	19.8	10.6	9.2
New entrants.....	981	100.0	49.8	29.8	20.5	10.6	9.8
Males, 20 years and over.....	3,615	100.0	34.9	30.5	34.6	15.4	19.2
Job losers.....	2,565	100.0	32.4	30.7	37.0	16.3	20.7
On layoff.....	892	100.0	43.9	28.9	27.1	13.9	13.3
Other job losers.....	1,673	100.0	26.2	31.6	42.2	17.6	24.6
Job leavers.....	356	100.0	39.4	31.1	29.5	13.3	16.2
Reentrants.....	592	100.0	41.7	30.5	27.7	13.2	14.5
New entrants.....	102	100.0	41.4	25.0	33.6	13.2	20.4
Females, 20 years and over.....	2,895	100.0	43.8	30.9	25.3	13.3	12.1
Job losers.....	1,317	100.0	35.2	31.7	33.1	16.8	16.3
On layoff.....	444	100.0	48.0	28.6	23.4	11.2	12.3
Other job losers.....	873	100.0	28.8	33.2	38.0	19.7	18.3
Job leavers.....	404	100.0	45.2	33.2	21.7	12.1	9.5
Reentrants.....	1,023	100.0	53.8	29.3	16.9	9.3	7.6
New entrants.....	151	100.0	47.6	28.2	24.2	11.5	12.7
Both sexes, 16 to 19 years.....	1,763	100.0	52.2	30.8	17.0	10.3	6.7
Job losers.....	385	100.0	50.7	30.8	18.5	11.7	6.9
On layoff.....	93	100.0	66.9	24.4	8.7	4.7	4.0
Other job losers.....	292	100.0	45.5	32.9	21.6	13.9	7.7
Job leavers.....	162	100.0	57.6	29.6	12.8	9.1	3.7
Reentrants.....	487	100.0	52.7	31.2	16.1	9.9	6.2
New entrants.....	728	100.0	51.4	30.8	17.8	10.1	7.8

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

Sex, age, and race	1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,273	6,730	26.8	6.1	74.0	32.1	14.5	5.3	1.59
16 to 19 years	1,763	1,650	17.9	3.1	80.3	25.8	12.9	3.9	1.44
20 to 24 years	1,976	1,653	31.6	5.9	75.2	33.2	14.3	3.9	1.64
25 to 34 years	2,211	1,703	30.1	7.4	71.9	36.3	14.7	5.6	1.65
35 to 44 years	1,065	802	29.4	8.5	70.9	33.8	15.7	6.9	1.65
45 to 54 years	715	520	28.7	8.3	68.8	34.2	14.4	7.7	1.62
55 to 64 years	444	320	24.7	6.6	65.9	30.6	18.1	10.3	1.56
65 years and over	98	81	14.8	4.9	61.7	25.9	16.0	9.9	1.33
Males, 16 years and over	4,577	3,561	29.0	6.0	75.0	29.7	16.5	6.7	1.63
16 to 19 years	962	890	18.3	2.9	81.3	24.0	14.7	3.7	1.45
20 to 24 years	1,144	919	33.9	5.9	75.3	32.2	17.1	4.7	1.69
25 to 34 years	1,213	871	34.4	7.8	73.0	34.2	16.9	7.3	1.74
35 to 44 years	552	383	32.6	8.1	72.6	30.5	17.5	9.4	1.71
45 to 54 years	390	265	30.2	7.9	71.7	27.9	17.4	11.3	1.66
55 to 64 years	261	185	25.8	7.0	63.4	26.9	18.3	14.5	1.56
65 years and over	55	47	10.6	4.3	63.8	21.3	14.9	12.8	1.28
Females, 16 years and over	3,696	3,170	24.4	6.1	72.9	34.7	12.1	3.8	1.54
16 to 19 years	800	761	17.5	3.4	79.0	27.7	10.8	4.1	1.42
20 to 24 years	833	734	28.7	5.9	75.1	34.3	10.9	3.0	1.58
25 to 34 years	998	832	25.6	6.9	70.8	38.6	12.6	3.8	1.58
35 to 44 years	513	420	26.4	8.8	69.3	36.4	14.0	4.5	1.60
45 to 54 years	325	255	26.7	8.2	65.9	40.8	11.4	3.9	1.57
55 to 64 years	184	134	23.1	6.0	68.7	35.1	17.2	4.5	1.54
65 years and over	43	34	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White, 16 years and over	6,343	5,035	24.6	6.3	75.0	33.9	14.4	5.3	1.59
Males	3,580	2,710	26.8	6.2	75.8	31.5	16.5	6.8	1.64
Females	2,762	2,325	22.0	6.3	74.1	36.7	12.0	3.5	1.55
Black and other, 16 years and over	1,930	1,695	33.6	5.6	71.0	26.5	14.7	5.6	1.57
Males	997	850	36.1	5.6	72.2	24.0	16.8	6.4	1.61
Females	933	845	31.0	5.6	69.8	29.1	12.5	4.9	1.53

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	1981								Average number of methods used
	Thousands of persons		Methods used as a percent of total jobseekers						
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	8,273	6,730	26.8	6.1	74.0	32.1	14.5	5.3	1.59
Job losers	4,267	2,841	33.5	6.9	74.5	33.3	16.3	6.1	1.71
Job leavers	923	921	26.5	7.3	74.0	37.6	14.1	3.3	1.63
Reentrants	2,102	1,997	22.4	5.7	71.1	31.6	12.7	5.9	1.49
New entrants	981	971	16.7	3.6	78.5	24.3	13.1	4.2	1.40
Males, 16 years and over	4,577	3,561	29.0	6.0	75.0	29.7	16.5	6.7	1.63
Job losers	2,821	1,861	33.9	6.5	74.6	31.4	17.3	7.5	1.71
Job leavers	435	433	25.4	7.4	76.7	34.2	16.9	3.7	1.64
Reentrants	850	799	26.3	5.9	71.8	27.8	15.3	8.5	1.56
New entrants	472	467	17.6	3.2	80.3	22.5	15.4	3.2	1.42
Females, 16 years and over	3,696	3,170	24.4	6.1	72.9	34.7	12.1	3.8	1.54
Job losers	1,446	980	32.9	7.6	74.3	36.8	14.5	3.3	1.69
Job leavers	488	488	27.5	7.2	71.9	40.6	11.7	2.9	1.62
Reentrants	1,252	1,198	19.9	5.4	70.6	34.1	10.9	4.1	1.45
New entrants	509	504	15.9	4.2	76.8	26.0	10.9	5.2	1.39

NOTE: See note, table 15.

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17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	7,637	8,273	100.0	100.0	6,269	6,795	100.0	100.0
Less than 5 weeks	3,295	3,449	43.2	41.7	2,472	2,589	39.4	38.1
5 to 14 weeks	2,470	2,539	32.3	30.7	2,081	2,117	33.2	31.2
5 to 10 weeks	1,784	1,852	23.4	22.4	1,481	1,537	23.6	22.6
11 to 14 weeks	686	687	9.0	8.3	599	579	9.6	8.5
15 weeks and over	1,871	2,285	24.5	27.6	1,716	2,090	27.4	30.8
15 to 26 weeks	1,052	1,122	13.8	13.6	954	1,010	15.2	14.9
27 weeks and over	820	1,162	10.7	14.0	762	1,080	12.2	15.9
27 to 51 weeks	491	504	6.4	7.3	462	559	7.4	8.2
52 weeks and over	329	559	4.3	6.8	300	520	4.8	7.7
Average (mean) duration, in weeks	11.9	13.7	--	--	12.9	14.9	--	--
Median duration, in weeks	6.5	6.9	--	--	7.4	7.9	--	--

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

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1980	1981	1980	1981
	1981										
Total, 16 years and over	8,273	3,449	2,539	1,122	1,162	13.7	6.9	43.2	41.7	24.5	27.6
16 to 21 years	2,622	1,291	827	286	218	10.3	5.2	50.7	49.2	16.2	19.2
16 to 19 years	1,763	919	543	181	119	9.2	4.8	53.8	52.2	13.7	17.0
20 to 24 years	1,976	832	628	269	247	13.0	6.8	43.4	42.1	22.5	26.1
25 to 34 years	2,211	857	684	322	348	14.8	7.8	39.5	38.8	28.7	30.3
35 to 44 years	1,065	394	316	163	193	16.0	8.4	38.9	37.0	29.4	33.4
45 to 54 years	715	256	209	108	142	16.9	8.9	37.1	35.7	32.4	35.0
55 to 64 years	444	148	133	67	97	18.3	9.5	35.1	33.3	32.6	36.9
65 years and over	98	42	26	12	17	16.0	7.0	48.1	43.5	25.2	29.5
Males, 16 years and over	4,577	1,731	1,412	665	770	15.4	8.1	39.0	37.8	28.0	31.3
16 to 21 years	1,451	663	473	172	143	11.3	5.9	47.4	45.7	18.5	21.7
16 to 19 years	962	470	309	107	75	10.0	5.2	51.5	48.9	15.5	19.0
20 to 24 years	1,144	427	367	174	176	14.8	8.0	38.5	37.3	25.8	30.6
25 to 34 years	1,213	421	379	180	233	16.8	9.1	34.1	34.7	33.6	34.1
35 to 44 years	552	180	156	94	122	18.4	10.1	34.1	32.5	32.9	39.1
45 to 54 years	390	127	108	65	89	18.9	10.3	33.6	32.6	36.3	39.6
55 to 64 years	261	83	79	37	62	19.4	9.8	33.4	31.7	36.0	38.1
65 years and over	55	23	14	7	11	17.7	7.7	46.4	41.8	25.4	33.4
Females, 16 years and over	3,696	1,718	1,127	458	393	11.7	5.8	48.4	46.5	20.1	23.0
16 to 21 years	1,172	628	354	115	75	9.0	4.7	55.0	53.6	13.4	16.2
16 to 19 years	800	449	233	74	44	8.3	4.5	56.6	56.1	11.4	14.7
20 to 24 years	833	406	261	96	71	10.5	5.3	50.2	48.7	17.7	20.0
25 to 34 years	998	436	305	142	114	12.4	6.4	46.5	43.7	22.4	25.7
35 to 44 years	513	214	159	68	71	13.5	6.9	43.9	41.8	25.4	27.2
45 to 54 years	325	128	101	43	52	14.6	7.4	41.2	39.5	28.1	29.4
55 to 64 years	184	65	54	30	35	16.9	9.1	38.6	35.5	27.6	35.2
65 years and over	43	19	13	5	6	13.9	6.4	47.0	45.6	25.1	24.4
White, 16 years and over	6,343	2,703	1,967	848	825	13.0	6.7	43.9	42.6	23.7	26.4
Males	3,580	1,384	1,115	523	558	14.6	7.8	39.5	38.7	27.2	30.2
Females	2,762	1,319	851	325	267	11.0	5.5	49.5	47.8	19.1	21.4
Black and other, 16 years and over	1,930	746	573	274	338	16.0	8.0	40.8	38.6	27.2	31.7
Males	997	347	297	141	212	18.2	9.2	37.1	34.8	30.7	35.4
Females	933	399	276	133	126	13.6	6.8	44.9	42.7	23.2	27.7
Males, 16 years and over:											
Married, spouse present	1,766	622	516	281	347	17.0	9.1	35.8	35.2	31.6	35.5
Widowed, divorced, or separated	495	158	151	80	105	18.0	10.0	33.9	32.0	34.0	37.5
Single (never married)	2,316	950	745	304	317	13.6	7.0	42.7	41.0	23.9	26.6
Females, 16 years and over:											
Married, spouse present	1,513	699	461	188	164	11.6	5.9	48.6	46.2	20.6	23.3
Widowed, divorced, or separated	744	298	231	107	107	14.2	7.2	42.3	40.1	25.6	28.8
Single (never married)	1,439	721	434	163	121	10.4	5.0	51.1	50.1	16.8	19.7

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

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1980	1981	1980	1981
	1981										
OCCUPATION											
White-collar workers	2,223	925	705	325	268	12.8	6.9	44.4	41.6	23.2	26.7
Professional and managerial	786	307	257	114	108	13.9	7.5	40.4	39.1	26.6	28.2
Sales workers	308	137	96	44	31	11.4	6.2	45.5	44.4	23.3	24.4
Clerical workers	1,129	482	352	167	128	12.5	6.7	46.7	42.7	20.9	26.2
Blue-collar workers	3,608	1,358	1,093	514	644	15.7	8.2	38.1	37.6	29.1	32.1
Craft and kindred workers	1,022	381	324	155	162	14.7	8.1	38.3	37.3	23.1	31.0
Operatives, except transport	1,465	557	432	195	280	16.2	8.2	38.4	38.1	30.0	32.5
Transport equipment operatives	330	118	98	50	64	16.9	9.0	35.1	35.8	30.4	34.4
Nonfarm laborers	792	301	239	114	138	15.8	8.1	38.5	38.0	27.8	31.8
Service workers	1,307	604	397	161	145	11.9	5.9	48.4	46.2	20.8	23.4
INDUSTRY¹											
Agriculture	201	98	66	23	13	9.7	5.2	48.8	48.8	16.8	18.1
Construction	839	316	274	136	112	13.8	8.0	38.9	37.7	26.4	29.6
Manufacturing	1,922	710	554	268	389	16.8	8.6	36.8	36.9	31.7	34.2
Durable goods	1,144	395	325	161	263	18.4	9.4	34.5	34.5	34.2	37.1
Non-durable goods	778	315	229	107	127	14.5	7.5	40.8	40.5	27.5	30.0
Transportation and public utilities	345	132	105	47	62	16.1	7.8	39.6	38.2	29.7	31.5
Wholesale and retail trade	1,617	712	513	212	179	12.0	6.3	44.9	44.0	21.6	24.2
Finance and service industries	1,858	794	579	256	228	12.9	6.7	46.4	42.7	21.4	26.0
Public administration	277	98	86	44	50	15.8	8.8	40.3	35.4	27.9	33.7
No previous work experience	982	439	293	104	96	11.4	5.1	52.5	49.8	16.0	20.4

¹ Includes wage and salary workers only.

20. Employed persons by industry, age, and sex (In thousands)

Industry and age	Total		Males		Females	
	1980	1981	1980	1981	1980	1981
	All industries					
All industries	99,303	100,397	57,186	57,397	42,117	43,000
16 to 19 years	7,710	7,225	4,085	3,815	3,625	3,411
16 to 17 years	3,106	2,866	1,672	1,526	1,433	1,340
18 to 19 years	4,605	4,359	2,412	2,289	2,192	2,070
20 to 24 years	14,087	14,122	7,532	7,504	6,555	6,618
25 to 54 years	62,960	64,580	36,736	37,357	26,225	27,223
25 to 34 years	27,204	28,180	15,832	16,266	11,370	11,914
35 to 44 years	19,523	20,145	11,355	11,613	8,168	8,532
45 to 54 years	16,234	16,255	9,548	9,478	6,686	6,777
55 to 64 years	11,586	11,525	6,999	6,909	4,587	4,616
55 to 59 years	7,143	7,126	4,290	4,243	2,852	2,883
60 to 64 years	4,443	4,399	2,709	2,667	1,734	1,732
65 years and over	2,960	2,945	1,835	1,812	1,125	1,133
Nonagricultural industries						
Nonagricultural industries	95,938	97,030	54,477	54,597	41,461	42,333
16 to 19 years	7,325	6,845	3,772	3,498	3,554	3,347
16 to 17 years	2,896	2,676	1,501	1,367	1,395	1,310
18 to 19 years	4,429	4,169	2,269	2,131	2,159	2,038
20 to 24 years	13,681	13,687	7,199	7,145	6,483	6,542
25 to 54 years	61,225	62,840	35,401	36,022	25,824	26,819
25 to 34 years	26,512	27,496	15,304	15,727	11,238	11,768
35 to 44 years	18,976	19,598	10,949	11,207	8,027	8,391
45 to 54 years	15,707	15,747	9,148	9,087	6,560	6,660
55 to 64 years	11,054	11,015	6,551	6,489	4,503	4,526
55 to 59 years	6,865	6,850	4,064	4,023	2,801	2,827
60 to 64 years	4,189	4,166	2,487	2,466	1,702	1,699
65 years and over	2,654	2,641	1,558	1,543	1,096	1,098
Agriculture						
Agriculture	3,364	3,368	2,709	2,700	656	667
16 to 19 years	385	380	313	317	71	63
16 to 17 years	209	190	170	159	38	31
18 to 19 years	176	190	143	158	33	32
20 to 24 years	405	435	333	359	72	76
25 to 54 years	1,736	1,740	1,335	1,335	400	403
25 to 34 years	561	684	528	539	133	146
35 to 44 years	547	547	407	406	140	141
45 to 54 years	528	508	400	391	127	117
55 to 64 years	533	510	448	420	84	90
55 to 59 years	277	276	227	220	52	57
60 to 64 years	255	233	222	200	33	33
65 years and over	307	304	279	269	29	35

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21. Employed persons by occupation, sex, and age

[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
	TOTAL	99,303	100,397	53,101	53,582	38,492	39,590	4,085	3,815	3,625	3,411
White-collar workers	51,882	52,949	23,568	23,947	25,721	26,555	692	661	1,901	1,786
Professional and technical	15,968	16,420	8,804	9,015	6,964	7,222	101	85	100	97
Health workers	2,998	3,125	975	1,006	2,001	2,098	6	5	15	16
Teachers, except college	3,209	3,197	929	935	2,256	2,244	6	5	17	13
Other professional and technical	9,761	10,098	6,900	7,074	2,706	2,880	89	75	57	68
Managers and administrators, except farm	11,138	11,540	8,159	8,312	2,868	3,119	59	60	52	49
Salaried workers	9,185	9,577	6,690	6,849	2,390	2,624	56	56	50	47
Self-employed workers in retail trade	891	870	580	557	308	309	1	3	1	1
Self-employed workers, except retail trade	1,062	1,093	890	906	169	185	1	2	1	--
Sales workers	6,303	6,425	3,213	3,289	2,408	2,508	237	220	445	407
Retail trade	3,226	3,262	1,013	1,027	1,632	1,700	172	164	408	371
Other industries	3,077	3,162	2,200	2,262	776	808	64	56	37	36
Clerical workers	18,473	18,564	3,391	3,331	13,482	13,706	295	295	1,305	1,232
Stenographers, typists, and secretaries	5,052	5,022	68	75	4,645	4,652	7	7	331	287
Other clerical workers	13,421	13,542	3,323	3,256	8,836	9,054	288	288	974	945
Blue-collar workers	31,452	31,261	23,480	23,497	5,439	5,519	2,162	1,937	371	309
Craft and kindred workers	12,787	12,662	11,533	11,469	726	771	485	390	44	32
Carpenters	1,215	1,122	1,134	1,055	16	19	63	46	2	2
Construction craft workers, except carpenters	2,674	2,593	2,506	2,446	46	43	117	98	4	4
Mechanics and repairers	3,400	3,408	3,165	3,204	63	62	170	142	3	1
Metal craft workers	1,313	1,294	1,228	1,210	49	54	34	29	1	--
Blue-collar worker supervisors, not elsewhere classified	1,754	1,816	1,549	1,602	187	203	15	8	4	3
All other	2,432	2,430	1,952	1,953	366	390	87	67	28	20
Operatives, except transport	10,565	10,540	5,760	5,817	4,001	4,019	574	533	228	171
Durable goods manufacturing	4,668	4,605	2,896	2,892	1,533	1,518	171	143	69	52
Nondurable goods manufacturing	3,366	3,339	1,294	1,294	1,856	1,857	107	111	111	78
Other industries	2,532	2,597	1,571	1,632	613	645	296	279	49	40
Transport equipment operatives	3,531	3,476	3,080	3,030	273	297	170	137	10	12
Drivers, motor vehicles	3,001	2,966	2,594	2,561	252	274	146	120	13	11
All other	531	511	486	469	21	23	23	17	1	1
Nonfarm laborers	4,567	4,583	3,107	3,180	439	432	933	877	88	94
Construction	818	797	649	665	18	13	147	116	3	4
Manufacturing	979	986	741	753	144	139	83	86	10	8
Other industries	2,771	2,800	1,717	1,762	277	281	703	675	75	83
Service workers	13,228	13,438	4,055	4,136	6,893	7,071	980	961	1,299	1,271
Private household workers	1,063	1,047	18	26	840	806	8	11	195	204
Service workers, except private household	12,165	12,391	4,038	4,109	6,053	6,265	971	950	1,104	1,066
Food service workers	4,540	4,682	902	954	2,272	2,365	614	627	752	736
Protective service workers	1,425	1,459	1,266	1,289	128	142	24	22	8	6
All other	6,200	6,250	1,870	1,866	3,652	3,758	334	301	344	324
Farm workers	2,741	2,749	1,998	2,004	438	444	251	256	53	46
Farmers and farm managers	1,493	1,485	1,316	1,298	157	166	19	19	1	2
Farm laborers and supervisors	1,247	1,264	682	706	281	278	232	237	53	43
Paid workers	963	1,010	646	670	112	127	169	184	35	29
Unpaid family workers	284	254	36	36	168	151	63	53	17	14

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22. Employed persons by occupation, race, and sex

[Percent distribution]

Occupation and race	Total		Males		Females	
	1980	1981	1980	1981	1980	1981
TOTAL						
Total, 16 years and over (thousands)	99,303	100,397	57,186	57,397	42,117	43,000
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.2	52.7	42.4	42.9	65.6	65.9
Professional and technical	16.1	16.4	15.6	15.9	16.8	17.0
Managers and administrators, except farm	11.2	11.5	14.4	14.6	6.9	7.4
Sales workers	6.3	6.4	6.0	6.1	6.8	6.8
Clerical workers	18.6	18.5	6.4	6.3	35.1	34.7
Blue-collar workers	31.7	31.1	44.8	44.3	13.8	13.6
Craft and kindred workers	12.9	12.6	21.0	20.7	1.8	1.9
Operatives, except transport	10.6	10.5	11.1	11.1	10.0	9.7
Transport equipment operatives	3.6	3.5	5.7	5.5	.7	.7
Nonfarm laborers	4.6	4.6	7.1	7.1	1.3	1.2
Service workers	13.3	13.4	8.8	8.9	19.5	19.4
Private household workers	1.1	1.0	(1)	.1	2.5	2.3
Other service workers	12.3	12.3	8.8	8.8	17.0	17.1
Farm workers	2.8	2.7	3.9	3.9	1.2	1.1
Farmers and farm managers	1.5	1.5	2.3	2.3	.4	.4
Farm laborers and supervisors	1.3	1.3	1.6	1.6	.8	.7
White						
Total, 16 years and over (thousands)	87,715	88,709	51,127	51,315	36,587	37,394
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	53.9	54.3	44.0	44.3	67.8	67.9
Professional and technical	16.5	16.7	16.1	16.3	17.0	17.3
Managers and administrators, except farm	12.0	12.3	15.3	15.5	7.4	7.8
Sales workers	6.8	6.8	6.4	6.5	7.3	7.3
Clerical workers	18.6	18.5	6.2	6.1	36.0	35.5
Blue-collar workers	31.2	30.7	44.0	43.6	13.2	12.9
Craft and kindred workers	13.3	13.1	21.5	21.2	1.9	1.9
Operatives, except transport	10.1	10.0	10.7	10.6	9.4	9.1
Transport equipment operatives	3.4	3.3	5.4	5.2	.7	.7
Nonfarm laborers	4.3	4.3	6.5	6.6	1.2	1.2
Service workers	12.1	12.2	8.0	8.0	17.8	17.9
Private household workers	.8	.8	(1)	.1	1.9	1.8
Other service workers	11.3	11.4	7.9	8.0	15.9	16.1
Farm workers	2.9	2.9	4.0	4.1	1.2	1.2
Farmers and farm managers	1.7	1.6	2.5	2.5	.4	.4
Farm laborers and supervisors	1.2	1.2	1.5	1.6	.8	.8
Black and other						
Total, 16 years and over (thousands)	11,588	11,688	6,059	6,083	5,529	5,606
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	39.8	41.1	29.5	30.6	51.2	52.4
Professional and technical	13.2	13.9	11.5	12.4	15.0	15.5
Managers and administrators, except farm	5.4	5.8	6.9	7.2	3.8	4.2
Sales workers	2.9	3.0	2.7	2.8	3.1	3.2
Clerical workers	18.3	18.4	8.4	8.2	29.3	29.5
Blue-collar workers	35.6	34.8	51.8	50.6	17.8	17.7
Craft and kindred workers	9.5	9.2	16.9	16.2	1.4	1.5
Operatives, except transport	14.5	14.6	14.6	14.9	14.3	14.3
Transport equipment operatives	4.7	4.6	8.5	8.2	.6	.7
Nonfarm laborers	6.8	6.5	11.8	11.3	1.4	1.3
Service workers	22.7	22.4	15.8	16.2	30.4	29.3
Private household workers	3.1	2.9	.1	.2	6.3	5.8
Other service workers	19.7	19.6	15.6	16.0	24.1	23.4
Farm workers	1.8	1.6	2.9	2.6	.6	.6
Farmers and farm managers	.3	.3	.6	.5	.1	.1
Farm laborers and supervisors	1.5	1.3	2.4	2.1	.6	.5

¹ Less than 0.05 percent.

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

(Numbers in thousands)

Occupation	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	100,397	42.8	11.6				
White-collar workers	52,949	53.5	9.1	White-collar workers—Continued			
Professional and technical	16,419	44.6	9.9	Managers and administrators, except farm—Continued			
Accountants	1,126	38.5	9.9	Inspectors, except construction and public administration	110	10.9	8.2
Architects	93	4.3	10.8	Managers and superintendents, building	161	50.9	9.3
Computer specialists	627	27.1	9.4	Office managers, n.e.c.	504	70.6	4.0
Computer programmers	367	29.4	10.4	Officials and administrators; public administration n.e.c.	476	29.0	10.3
Computer systems analysts	213	25.8	8.0	Officials of lodges, societies, and unions	117	29.1	6.0
Engineers	1,537	4.4	7.3	Restaurant, cafeteria, and bar managers	727	40.3	9.9
Aeronautical and astronautical engineers	84	1.2	6.0	Sales managers and department heads, retail trade	346	40.2	6.6
Civil engineers	190	1.6	7.9	Sales managers, except retail trade	374	13.9	2.7
Electrical and electronic engineers	380	3.9	7.6	School administrators, college	139	35.3	8.6
Industrial engineers	237	11.4	7.6	School administrators, elementary and secondary	291	36.8	10.0
Mechanical engineers	252	2.8	5.6	All other managers and administrators	6,836	19.6	5.0
Foresters and conservationists	59	11.9	3.4	Sales workers	6,425	45.4	5.4
Lawyers and judges	581	14.1	4.6	Advertising agents and sales workers	128	47.7	3.1
Lawyers	558	14.2	4.8	Demonstrators	106	96.2	3.8
Librarians, archivists, and curators	192	82.8	5.7	Hucksters and peddlers	170	79.4	7.6
Librarians	177	85.9	6.2	Insurance agents, brokers, and underwriters	595	23.9	6.2
Life and physical scientists	311	21.9	10.6	Newspaper carriers and vendors	113	29.2	5.3
Biological scientists	59	40.7	11.9	Real estate agents and brokers	562	49.8	3.0
Chemists	138	21.7	15.2	Stock and bond sales agents	159	17.0	3.1
Operations and systems researchers and analysts	199	26.1	7.0	Sales workers and sales clerks, n.e.c.	4,585	46.6	5.8
Personnel and labor relations workers	441	49.9	10.9	Sales representatives, manufacturing industries	416	20.0	4.1
Physicians, dentists, and related practitioners	828	14.4	11.0	Sales representatives, wholesale trade	971	11.9	2.9
Dentists	130	4.6	6.2	Sales clerks, retail trade	2,431	71.2	7.7
Pharmacists	152	25.7	9.2	Sales workers, except clerks, retail trade	525	19.6	3.6
Physicians, medical and osteopathic	454	13.7	14.5	Sales workers, services and construction	241	43.2	5.0
Nurses, dietitians, and therapists	1,654	92.6	12.7	Clerical workers	18,564	80.5	11.6
Registered nurses	1,339	96.8	12.3	Bank tellers	569	93.5	7.6
Therapists	251	70.5	12.0	Billing clerks	153	88.2	10.5
Health technologists and technicians	643	72.3	14.9	Bookkeepers	1,961	91.1	6.3
Clinical laboratory technologists and technicians	276	76.8	19.2	Cashiers	1,660	86.2	11.8
Radiologic technologists and technicians	104	68.3	11.5	Clerical supervisors, n.e.c.	250	70.8	10.8
Religious workers	337	11.9	7.4	Collectors, bill and account	93	63.4	10.8
Clergy	282	5.0	7.8	Counter clerks, except food	360	76.4	10.3
Social scientists	314	33.8	8.0	Dispatchers and starters, vehicle	115	38.3	8.7
Economists	160	25.0	6.9	Enumerators and interviewers	58	75.9	15.5
Psychologists	117	48.7	9.4	Estimators and investigators, n.e.c.	540	54.6	10.6
Social and recreation workers	511	62.4	20.2	Expeditors and production controllers	254	40.9	8.3
Social workers	390	63.8	21.0	File clerks	315	83.8	22.9
Recreation workers	121	57.9	17.4	Insurance adjusters, examiners, and investigators	191	58.1	9.9
Teachers, college and university	585	35.2	9.2	Library attendants and assistants	152	82.2	14.5
Teachers, except college and university	3,197	70.6	10.1	Mail carriers, post office	242	15.7	13.6
Adult education teachers	76	42.1	9.2	Mail handlers, except post office	175	47.4	20.6
Elementary school teachers	1,412	83.6	11.4	Messengers and office helpers	97	26.8	19.6
Prekindergarten and kindergarten teachers	245	98.4	15.5	Office machine operators	966	73.6	17.5
Secondary school teachers	1,231	51.3	8.0	Bookkeeping and billing machine operators	49	87.8	14.3
Teachers except college and university, n.e.c.	233	73.8	7.7	Computer and peripheral equipment operators	564	63.8	15.8
Engineering and science technicians	1,141	18.8	9.9	Keypunch operators	248	93.5	19.4
Chemical technicians	103	26.2	17.5	Payroll and timekeeping clerks	231	81.0	9.5
Drafters	343	19.2	8.7	Postal clerks	269	37.9	26.4
Electrical and electronic engineering technicians	275	11.3	9.1	Receptionists	675	97.3	8.6
Surveyors	92	1.1	4.3	Secretaries	3,917	99.1	7.2
Technicians, except health, engineering, and science	219	22.4	5.0	Secretaries, legal	184	98.9	6.0
Airplane pilots	81	1.2	1.2	Secretaries, medical	83	100.0	6.0
Radio operators	63	57.1	4.8	Secretaries, n.e.c.	3,650	99.1	7.3
Vocational and educational counselors	188	53.7	18.1	Shipping and receiving clerks	525	22.5	14.7
Writers, artists, and entertainers	1,388	39.8	6.3	Statistical clerks	370	80.3	15.1
Athletes and kindred workers	135	43.0	7.4	Stenographers	74	85.1	13.5
Designers	218	29.4	6.4	Stock clerks and storekeepers	528	34.8	13.1
Editors and reporters	205	50.2	4.9	Teachers' aides, except school monitors	381	92.9	19.2
Musicians and composers	145	24.8	5.5	Telephone operators	308	92.9	17.2
Painters and sculptors	211	50.7	5.7	Ticket, station, and express agents	148	47.3	9.5
Photographers	101	23.8	7.9	Typists	1,031	96.3	17.8
Public relations specialists and publicity writers	123	45.5	4.9	All other clerical workers	1,956	76.9	13.5
Research workers, not specified	193	38.9	11.4	Blue-collar workers	31,261	18.6	13.0
All other professional and technical workers	55	38.2	5.5	Craft and kindred workers	12,662	6.3	8.5
Managers and administrators, except farm	11,540	27.5	5.8	Carpenters	1,122	1.9	5.8
Bank officials and financial managers	696	37.5	5.5	Brickmasons and stonemasons	152	—	12.5
Buyers and purchasing agents	476	35.1	6.1	Cement and concrete finishers	64	—	31.3
Buyers, wholesale and retail trade	195	43.6	6.7	Electricians	684	1.6	7.9
Credit and collection managers	68	38.2	4.4	Excavating, grading, and road machinery operators	422	.5	12.3
Health administrators	219	49.8	6.8	Painters, construction and maintenance	471	5.7	10.2

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

(Numbers in thousands)

Occupation	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Blue-collar workers—Continued				Blue-collar workers—Continued			
Craft and kindred workers—Continued				Operatives, except transport—Continued			
Plumbers and pipefitters	472	.4	7.6	Shoemaking machine operatives	74	71.6	6.8
Structural metal craft workers	82	--	3.7	Furnace tenders and stokers, except metal	79	1.3	10.1
Roofers and slaters	139	--	13.7	Textile operatives	300	61.0	26.7
Blue-collar worker supervisors, n.e.c.	1,816	11.3	7.6	Spinners, twistors, and winders	102	66.7	29.4
Machinists and job setters	668	4.0	8.5	Welders and flame cutters	728	4.7	13.2
Job and die setters, metal	94	5.3	9.6	Winding operatives, n.e.c.	56	46.4	12.5
Machinists	574	3.8	8.5	All other operatives, except transport	3,051	32.2	16.1
Metal craft workers, excluding mechanics, machinists, and job setters				Transport equipment operatives			
Millwrights	102	--	2.9	Busdrivers	360	47.2	21.1
Molders, metal	52	17.3	19.2	Delivery and route workers	563	8.5	9.4
Sheet-metal workers and tinmiths	157	3.2	6.4	Forklift and tow motor operatives	369	5.7	22.0
Tool and die makers	175	2.3	2.9	Railroad switch operators	39	--	5.1
Mechanics, automobiles	1,249	.6	8.7	Taxicab drivers and chauffeurs	164	9.8	28.7
Automobile body repairers	204	1.0	7.8	Truckdrivers	1,878	2.7	13.9
Automobile mechanics	1,045	.6	8.9	All other transport equipment operatives	103	3.9	17.5
Mechanics, except automobiles	2,159	2.5	8.1	Nonfarm laborers			
Air-conditioning, heating, and refrigeration mechanics	212	.5	7.5	Animal caretakers	95	56.8	4.2
Aircraft mechanics	123	3.3	13.0	Construction laborers including carpenters' helpers	825	2.2	15.8
Data processing machine repairers	100	7.0	8.0	Freight and material handlers	753	9.7	18.5
Farm implement mechanics	46	--	8.7	Garbage collectors	75	2.7	42.7
Heavy equipment mechanics, including diesel	1,007	1.8	7.2	Gardeners and grounds keepers, except farm	666	4.7	16.5
Household appliance and accessory installers and mechanics	132	4.5	9.1	Timber cutting and logging workers	101	1.0	17.8
Office machine repairers	75	4.0	9.3	Stockhandlers	992	24.6	12.1
Radio and television repairers	109	3.7	6.4	Vehicle washers and equipment cleaners	170	15.3	22.4
Railroad and car shop mechanics	60	1.7	10.0	Warehouse laborers, n.e.c.	277	6.1	13.0
Printing craft workers	402	24.9	8.2	All other nonfarm laborers	629	9.7	20.7
Compositors and typesetters	174	35.1	8.6	Service workers			
Printing press operators	166	11.4	7.8	Private households	13,438	62.1	19.5
Bakers	135	41.5	13.3	Child care workers	1,047	96.5	32.4
Cabinetmakers	75	2.7	4.0	Cleaners and servants	451	97.6	9.3
Carpet installers	85	1.2	4.7	Housekeepers	468	95.1	51.5
Crane, derrick, and hoist operators	143	.7	15.4	Housekeepers	101	96.0	40.6
Decorators and window dressers	126	72.2	7.9	Service workers, except private households			
Electric power line and cable installers and repairers	117	.9	7.7	Cleaning workers	12,391	59.2	18.4
Inspectors, n.e.c.	143	8.4	9.1	Lodging quarters cleaners	2,489	38.6	28.0
Locomotive engineers	47	2.1	2.1	Building interior cleaners, n.e.c.	180	97.2	38.3
Stationary engineers	182	1.6	8.2	Janitors and sextons	955	55.3	30.4
Tailors	22	40.9	22.7	Food service workers	1,354	19.1	25.0
Telephone installers and repairers	326	9.8	9.2	Bartenders	4,682	66.2	14.0
Telephone line installers and repairers	79	5.1	6.3	Waiters	315	47.3	5.1
Upholsterers	72	22.2	11.1	Waiters' assistants	224	19.6	14.3
All other craft workers	582	14.9	9.8	Cooks	1,393	51.9	19.7
Operatives, except transport				Dishwashers	256	28.5	15.6
Assemblers	10,540	39.8	16.2	Food counter and fountain workers	467	83.7	13.3
Bottling and canning operatives	1,167	52.4	17.1	Waiters	1,477	89.3	7.3
Checkers, examiners, and inspectors; manufacturing	54	42.6	20.4	Food service workers, n.e.c.	549	73.0	22.4
Clothing ironers and pressers	800	53.8	13.8	Health service workers	1,995	89.2	24.3
Cutting operatives, n.e.c.	118	80.5	39.8	Dental assistants	143	97.2	6.3
Dressmakers, except factory	276	31.5	15.9	Health aides, excluding nursing	317	84.2	21.5
Drillers, earth	117	97.4	15.4	Nursing aides, orderlies, and attendants	1,131	86.6	29.0
Dry wall installers and lathers	61	--	3.3	Practical nurses	403	97.8	19.9
Filers, polishers, sanders, and buffers	82	--	4.9	Personal service workers			
Furnace tenders, smelters, and pourers; metal	116	31.9	16.4	Attendants	1,766	76.0	14.0
Garage workers and gas station attendants	62	3.2	16.1	Barbers	323	53.9	11.5
Laundry and dry cleaning operatives, n.e.c.	349	5.7	10.9	Child care workers	107	16.8	14.0
Meat cutters and butchers, except manufacturing	194	66.5	28.4	Hairdressers and cosmetologists	426	95.5	14.8
Meat cutters and butchers, manufacturing	178	8.4	10.7	Hairdressers and cosmetologists	577	89.3	9.5
Mine operatives, n.e.c.	98	29.6	18.4	Housekeepers, excluding private households	136	69.9	15.4
Mixing operatives	270	2.2	5.2	Welfare service aides	88	88.6	31.8
Packers and wrappers, excluding meat and produce	78	3.8	16.7	Protective service workers	1,459	10.1	13.8
Painters, manufactured articles	589	63.2	21.1	Firefighters	214	.9	8.9
Photographic process workers	166	16.9	13.9	Guards	607	13.7	18.8
Precision machine operatives	87	50.6	9.2	Police and detectives	512	5.7	10.7
Drill press operatives	352	12.8	9.9	Sheriffs and bailiffs	71	7.0	9.9
Grinding machine operatives	57	26.3	15.8	Farm workers			
Lathe and milling machine operatives	134	10.4	10.4	Farmers and farm managers	2,749	17.8	6.9
Punch and stamping press operatives	102	5.9	8.8	Farmers (owners and tenants)	1,485	11.3	2.4
Sawyers	107	31.8	10.3	Farm laborers and supervisors	1,447	11.4	2.3
Sewers and stitchers	124	9.7	16.1	Farm laborers, wage workers	1,264	25.5	12.3
	807	96.0	21.6	Farm laborers, unpaid family workers	969	15.9	15.1
					254	65.0	2.0

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

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

[In thousands]

Age and sex	1981								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	89,543	1,208	15,689	72,645	7,097	390	1,464	1,638	266
16 to 19 years	6,724	294	487	5,942	97	25	274	38	68
16 to 17 years	2,617	209	165	2,243	44	15	129	17	44
18 to 19 years	4,106	86	322	3,699	53	10	146	20	24
20 to 24 years	13,315	106	1,385	11,824	346	26	312	95	28
25 to 34 years	25,709	156	4,573	20,980	1,705	82	358	287	40
35 to 44 years	17,755	124	3,731	13,900	1,753	90	208	298	41
45 to 54 years	14,163	168	3,109	10,885	1,496	88	144	317	47
55 to 64 years	9,811	218	2,065	7,528	1,144	60	116	366	28
55 to 59 years	6,135	118	1,313	4,703	680	35	63	195	19
60 to 64 years	3,676	99	752	2,825	464	25	53	171	9
65 years and over	2,066	142	338	1,585	556	19	51	239	14
Males, 16 years and over	49,745	192	7,676	41,877	4,905	47	1,168	1,442	91
16 to 19 years	3,421	86	219	3,116	60	17	227	35	54
16 to 17 years	1,329	63	77	1,189	27	11	108	17	34
18 to 19 years	2,092	23	141	1,927	33	6	120	18	19
20 to 24 years	6,904	27	578	6,299	231	10	251	88	20
25 to 34 years	14,565	19	2,180	12,366	1,158	5	279	253	6
35 to 44 years	9,998	10	1,833	8,155	1,205	4	155	248	2
45 to 54 years	8,032	12	1,597	6,423	1,052	2	116	273	2
55 to 64 years	5,667	15	1,077	4,575	818	5	92	326	1
55 to 59 years	3,533	9	677	2,847	487	3	50	169	1
60 to 64 years	2,134	6	400	1,728	330	2	43	157	1
65 years and over	1,158	23	192	942	381	4	46	218	5
Females, 16 years and over	39,798	1,016	8,013	30,769	2,192	343	296	196	176
16 to 19 years	3,303	208	269	2,826	37	8	47	2	14
16 to 17 years	1,288	146	88	1,054	17	4	21	--	9
18 to 19 years	2,015	62	181	1,772	19	4	26	2	5
20 to 24 years	6,412	79	807	5,525	115	16	61	6	8
25 to 34 years	11,144	137	2,393	8,615	547	77	78	34	34
35 to 44 years	7,756	114	1,898	5,745	548	86	53	49	39
45 to 54 years	6,130	157	1,511	4,462	444	86	28	43	45
55 to 64 years	4,144	203	988	2,953	327	55	24	40	26
55 to 59 years	2,601	109	636	1,856	193	32	13	25	18
60 to 64 years	1,543	94	352	1,097	134	23	11	15	8
65 years and over	908	119	146	643	175	15	5	20	10

25. Employed persons by industry and occupation

[In thousands]

Industry	1981											
	Total employed	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	Farm workers
Agriculture	3,368	86	38	9	83	60	15	28	284	--	16	2,749
Mining	1,118	161	107	7	132	261	357	57	26	--	12	--
Construction	6,060	210	797	34	478	3,277	269	166	797	--	30	--
Manufacturing	21,817	2,547	1,700	542	2,697	4,229	7,944	762	986	--	411	--
Durable goods	13,166	1,778	982	192	1,608	2,827	4,605	361	576	--	236	--
Nondurable goods	8,651	769	717	351	1,089	1,402	3,339	401	410	--	175	--
Transportation and public utilities	6,633	633	714	84	1,548	1,391	174	1,458	446	--	185	--
Wholesale and retail trade	20,524	453	4,009	4,223	3,644	1,428	928	732	1,257	--	3,851	--
Wholesale trade	4,016	169	844	961	800	341	202	374	283	--	41	--
Retail trade	16,508	284	3,165	3,262	2,843	1,087	725	358	973	--	3,810	--
Finance, insurance, and real estate	6,133	378	1,191	1,320	2,810	99	11	9	69	--	246	--
Services	29,511	10,991	2,261	200	5,350	1,633	799	211	572	1,047	6,536	--
Private households	1,276	16	--	--	12	10	4	2	146	1,047	39	--
Other service industries	28,235	10,885	2,261	200	5,338	1,623	795	209	426	--	6,498	--
Public administration	5,233	1,050	723	5	1,823	283	45	53	147	--	1,105	--

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

(In thousands)

Industry and sex	1981					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
TOTAL						
Both sexes, 16 years and over:						
Mining	1,118	1,090	2	1,088	26	2
Construction	6,060	4,867	490	4,377	1,152	41
Manufacturing	21,817	21,427	133	21,294	362	29
Durable goods	13,166	12,931	102	12,829	219	16
Nondurable goods	8,651	8,496	31	8,465	143	12
Transportation and public utilities	6,633	6,327	80	5,516	294	12
Wholesale and retail trade	20,524	18,469	102	18,367	1,885	170
Wholesale trade	4,016	3,706	4	3,702	293	16
Retail trade	16,508	14,763	98	14,665	1,592	153
Finance, insurance, and real estate	6,133	5,666	136	5,530	451	15
Services	29,511	26,464	8,783	17,681	2,926	121
Private households	1,276	1,208	--	1,208	66	2
Other service industries	28,235	25,256	8,783	16,473	2,860	119
Business repair	4,138	3,263	42	3,221	826	50
Personal	2,638	1,838	14	1,824	777	23
Entertainment and recreation	1,107	943	90	854	157	6
Professional	20,201	19,103	8,560	10,544	1,058	40
Medical, except hospital	3,475	3,119	505	2,614	334	24
Hospitals	4,186	4,181	1,157	3,024	4	--
Welfare and religion	1,631	1,594	608	986	35	2
Education	8,003	7,849	6,182	1,667	152	2
Other	2,906	2,361	109	2,252	533	11
Forestry and fisheries	151	108	77	31	42	1
Public administration	5,233	5,233	5,233	--	--	--
Males						
Mining	949	924	1	923	25	--
Construction	5,566	4,449	439	4,010	1,112	5
Manufacturing	14,906	14,624	106	14,518	280	3
Durable goods	9,798	9,613	84	9,529	184	1
Nondurable goods	5,108	5,011	22	4,989	96	2
Transportation and public utilities	4,875	4,606	590	4,017	267	2
Wholesale and retail trade	10,907	9,747	42	9,704	1,140	20
Wholesale trade	2,981	2,729	3	2,726	248	4
Retail trade	7,926	7,017	39	6,978	892	17
Finance, insurance, and real estate	2,545	2,219	73	2,147	325	1
Services	11,601	9,827	3,076	6,751	1,757	17
Private households	195	192	--	192	2	1
Other service industries	11,406	9,635	3,076	6,559	1,755	16
Business repair	2,794	2,116	23	2,092	671	7
Personal	880	654	4	649	222	4
Entertainment and recreation	671	559	55	504	110	2
Professional	6,936	6,224	2,940	3,284	711	2
Medical, except hospital	851	588	138	450	262	--
Hospitals	986	983	367	616	3	--
Welfare and religion	673	648	162	486	24	--
Education	2,786	2,760	2,198	562	25	1
Other	1,641	1,245	75	1,170	396	--
Forestry and fisheries	124	83	54	29	40	--
Public administration	3,348	3,348	3,348	--	--	--
Females						
Mining	170	166	--	165	2	2
Construction	494	418	50	368	40	36
Manufacturing	6,911	6,804	28	6,776	82	25
Durable goods	3,368	3,318	18	3,300	35	15
Nondurable goods	3,543	3,485	9	3,476	47	11
Transportation and public utilities	1,758	1,720	221	1,499	27	11
Wholesale and retail trade	9,617	8,722	60	8,663	745	149
Wholesale trade	1,034	977	1	976	45	13
Retail trade	8,583	7,746	59	7,687	700	137
Finance, insurance, and real estate	3,588	3,447	63	3,384	127	14
Services	17,911	16,637	5,706	10,930	1,170	105
Private households	1,081	1,016	--	1,016	64	2
Other service industries	16,830	15,621	5,706	9,914	1,106	103
Business repair	1,344	1,147	19	1,128	155	42
Personal	1,758	1,184	10	1,175	555	19
Entertainment and recreation	436	384	35	349	47	4
Professional	13,265	12,880	5,620	7,260	347	39
Medical, except hospital	2,625	2,530	366	2,164	71	23
Hospitals	3,200	3,198	790	2,408	1	--
Welfare and religion	958	946	446	500	10	2
Education	5,217	5,089	3,984	1,105	127	1
Other	1,264	1,116	34	1,082	137	11
Forestry and fisheries	27	25	23	3	2	--
Public administration	1,884	1,884	1,884	--	--	--

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27. Employed persons by industry, sex, and occupation

(Percent distribution)

Industry and sex	1981												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	3,368	100.0	2.6	1.1	.3	2.5	1.8	.4	.8	8.4	--	.5	81.6
Mining	1,118	100.0	14.4	9.6	.6	11.8	23.3	31.9	5.1	2.3	--	1.1	--
Construction	6,060	100.0	3.5	13.2	.6	7.9	54.1	4.4	2.7	13.2	--	.5	--
Manufacturing	21,817	100.0	11.7	7.8	2.5	12.4	19.4	36.4	3.5	4.5	--	1.9	--
Durable goods	13,166	100.0	13.5	7.5	1.5	12.2	21.5	35.0	2.7	4.4	--	1.8	--
Nondurable goods	8,651	100.0	8.9	8.3	4.1	12.6	16.2	38.6	4.6	4.7	--	2.0	--
Transportation and public utilities	6,633	100.0	9.5	10.8	1.3	23.3	21.0	2.6	22.0	6.7	--	2.8	--
Wholesale and retail trade	20,524	100.0	2.2	19.5	20.6	17.8	7.0	4.5	3.6	6.1	--	18.8	--
Wholesale trade	4,016	100.0	4.2	21.0	23.9	19.9	8.5	5.0	9.3	7.0	--	1.0	--
Retail trade	16,508	100.0	1.7	19.2	19.8	17.2	6.6	4.4	2.2	5.9	--	23.1	--
Finance, insurance, and real estate	6,133	100.0	6.2	19.4	21.5	45.8	1.6	.2	.1	1.1	--	4.0	--
Services	29,511	100.0	36.9	7.7	.7	18.1	5.5	2.7	.7	1.9	3.5	22.1	--
Private households	1,276	100.0	1.3	--	--	.9	.8	.3	.2	11.4	82.1	3.0	--
Other service industries	28,235	100.0	38.6	8.0	.7	18.9	5.7	2.8	.7	1.5	--	23.0	--
Public administration	5,233	100.0	20.1	13.8	.1	34.8	5.4	.9	1.0	2.8	--	21.1	--
Males													
Agriculture	2,700	100.0	2.3	1.1	.2	.3	2.1	.4	1.0	8.6	--	.3	83.7
Mining	949	100.0	13.3	10.0	.7	2.4	27.2	36.9	5.9	2.5	--	.9	--
Construction	5,566	100.0	3.3	13.5	.5	2.2	58.3	4.8	3.0	14.0	--	.4	--
Manufacturing	14,906	100.0	13.8	9.7	2.7	5.4	25.8	29.8	4.9	5.6	--	2.2	--
Durable goods	9,798	100.0	15.5	8.7	1.7	5.5	26.9	31.0	3.6	5.2	--	2.0	--
Nondurable goods	5,108	100.0	10.6	11.6	4.8	5.3	23.7	27.5	7.5	6.5	--	2.7	--
Transportation and public utilities	4,875	100.0	10.4	11.4	1.0	9.5	27.5	3.2	25.8	8.8	--	2.3	--
Wholesale and retail trade	10,907	100.0	2.8	25.9	18.7	5.6	11.4	6.0	6.3	9.6	--	13.8	--
Wholesale trade	2,981	100.0	4.2	24.1	28.4	6.4	10.9	4.5	12.2	8.3	--	1.1	--
Retail trade	7,926	100.0	2.2	26.6	15.0	5.3	11.6	6.6	4.1	10.0	--	18.5	--
Finance, insurance, and real estate	2,545	100.0	8.3	28.8	34.1	15.0	3.6	.2	.4	2.6	--	7.0	--
Services	11,601	100.0	42.4	12.1	.9	4.8	13.0	3.7	1.6	4.4	.3	16.7	--
Private households	195	100.0	1.5	--	--	.5	4.6	1.0	1.0	71.3	19.5	1.0	--
Other service industries	11,406	100.0	43.1	12.3	.9	4.9	13.1	3.8	1.6	3.2	--	17.0	--
Public administration	3,348	100.0	21.7	15.5	.3	19.1	8.1	1.2	1.5	4.0	--	28.8	--
Females													
Agriculture	667	100.0	3.6	1.2	.4	11.2	.3	.6	.3	7.6	--	1.3	73.5
Mining	170	100.0	20.6	6.5	--	63.5	1.8	3.5	.6	1.2	--	1.8	--
Construction	494	100.0	5.1	8.7	1.2	72.3	6.9	1.0	.4	3.2	--	1.2	--
Manufacturing	6,911	100.0	7.1	3.7	1.9	27.3	5.5	50.7	.5	2.1	--	1.2	--
Durable goods	3,368	100.0	7.8	3.8	.9	31.6	5.6	46.6	.4	2.0	--	1.3	--
Nondurable goods	3,543	100.0	6.4	3.6	2.9	23.1	5.4	54.6	.5	2.3	--	1.1	--
Transportation and public utilities	1,758	100.0	7.1	8.9	2.1	61.7	2.8	1.0	11.4	.9	--	4.2	--
Wholesale and retail trade	9,617	100.0	1.6	12.3	22.7	31.5	1.9	2.8	.4	2.2	--	24.4	--
Wholesale trade	1,034	100.0	4.2	12.1	11.1	58.9	1.6	6.7	1.1	3.5	--	.9	--
Retail trade	8,583	100.0	1.3	12.3	24.1	28.2	2.0	2.4	.4	2.1	--	27.3	--
Finance, insurance, and real estate	3,588	100.0	4.7	12.7	12.6	67.7	.2	.1	--	.1	--	1.9	--
Services	17,911	100.0	33.4	4.8	.5	26.7	.7	2.1	.1	.4	5.6	25.7	--
Private households	1,081	100.0	1.2	--	--	1.0	.1	.2	--	.6	93.4	3.4	--
Other service industries	16,830	100.0	35.5	5.1	.6	28.4	.7	2.2	.2	.3	--	27.1	--
Public administration	1,884	100.0	17.1	10.8	.2	62.7	.6	.4	.1	.6	--	7.5	--

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28. Employed persons by industry, race, and occupation

(Percent distribution)

Industry and race	1981												
	Total employed		White-collar workers				Blue-collar workers			Service workers		Farm workers	
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers		Other service workers
WHITE													
Agriculture	3,109	100.0	2.6	1.2	.3	2.6	1.7	.4	.7	7.7	--	.4	82.3
Mining	1,062	100.0	14.4	9.8	.7	11.6	23.5	31.8	5.0	2.4	--	.9	--
Construction	5,572	100.0	3.5	13.9	.6	8.1	54.5	4.4	2.5	12.1	--	.4	--
Manufacturing	19,245	100.0	12.3	8.6	2.7	12.8	20.1	34.3	3.4	4.2	--	1.7	--
Durable goods	11,722	100.0	14.1	8.2	1.6	12.6	22.0	33.3	2.6	4.0	--	1.6	--
Nondurable goods	7,524	100.0	9.4	9.2	4.4	13.2	17.0	35.8	4.6	4.5	--	1.8	--
Transportation and public utilities	5,782	100.0	10.0	11.7	1.3	23.0	21.9	2.6	21.3	5.7	--	2.5	--
Wholesale and retail trade	18,667	100.0	2.3	20.2	21.3	17.7	7.0	4.3	3.4	5.9	--	18.1	--
Wholesale trade	3,700	100.0	4.2	21.8	25.2	19.9	8.4	4.4	8.7	6.4	--	.9	--
Retail trade	14,966	100.0	1.8	19.8	20.3	17.1	6.7	4.3	2.0	5.8	--	22.3	--
Finance, insurance, and real estate	5,527	100.0	6.1	20.4	22.8	44.5	1.5	.2	.1	1.1	--	3.4	--
Services	25,348	100.0	38.4	8.2	.8	18.7	5.9	2.6	.7	1.9	2.8	20.0	--
Private households	890	100.0	1.6	--	--	1.0	1.0	.3	.2	13.2	79.6	3.0	--
Other service industries	24,458	100.0	39.8	8.5	.8	19.4	6.1	2.6	.7	1.5	--	20.7	--
Public administration	4,397	100.0	21.0	14.8	.1	32.9	5.3	.7	.9	2.6	--	21.7	--
BLACK AND OTHER													
Agriculture	259	100.0	1.9	.8	--	.4	1.9	.8	1.9	17.0	--	1.5	73.7
Mining	56	100.0	14.0	5.3	--	14.0	19.3	33.3	7.0	3.5	--	3.5	--
Construction	488	100.0	3.5	5.1	--	5.5	49.0	4.5	5.9	25.2	--	1.2	--
Manufacturing	2,572	100.0	7.2	1.8	.8	8.7	14.2	52.4	4.5	6.8	--	3.5	--
Durable goods	1,444	100.0	8.4	1.7	.3	9.0	16.9	48.5	4.3	7.3	--	3.6	--
Nondurable goods	1,128	100.0	5.8	2.0	1.4	8.4	10.8	57.4	4.7	6.1	--	3.4	--
Transportation and public utilities	851	100.0	6.3	4.6	.7	25.7	14.4	3.1	26.6	13.7	--	4.8	--
Wholesale and retail trade	1,857	100.0	1.8	13.1	13.6	18.7	6.3	6.5	5.7	8.5	--	25.8	--
Wholesale trade	315	100.0	4.1	11.1	8.9	20.6	9.2	13.0	16.2	14.3	--	2.5	--
Retail trade	1,542	100.0	1.3	13.5	14.6	18.3	5.7	5.2	3.6	7.3	--	30.5	--
Finance, insurance, and real estate	606	100.0	6.6	10.4	9.7	58.2	2.8	.3	.5	1.6	--	9.9	--
Services	4,163	100.0	27.7	4.3	.2	14.4	3.5	3.6	.8	2.4	8.1	35.0	--
Private households	386	100.0	.5	--	--	.8	.5	.3	--	7.2	87.6	3.1	--
Other service industries	3,777	100.0	30.5	4.7	.2	15.8	3.8	4.0	.9	1.9	--	38.2	--
Public administration	836	100.0	15.4	8.6	.1	44.8	5.6	1.7	1.8	4.1	--	17.9	--

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

(Percent distribution)

Sex, age, and race	1981									
	Mining	Construc- tion	Manufacturing			Trans- portation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service industries ¹	Public adminis- tration
			Total	Durable goods	Non- durable goods					
TOTAL										
Total, 16 years and over (in thousands)	1,118	6,060	21,817	13,166	8,651	6,633	20,524	6,133	28,235	5,233
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	3.1	5.0	3.7	3.0	4.8	2.5	16.3	4.5	5.3	2.3
20 years and over	96.9	95.0	96.3	97.0	95.2	97.5	83.7	95.5	94.7	97.7
20 to 24 years	17.1	15.2	13.9	13.7	14.3	11.2	17.6	16.5	12.8	8.2
25 years and over	79.8	79.8	82.3	83.3	80.9	86.3	66.1	79.1	81.9	89.5
25 to 54 years	69.2	67.2	68.5	69.5	67.0	73.6	53.1	64.5	67.1	74.1
55 years and over	10.6	12.6	13.9	13.8	13.9	12.8	13.0	14.6	14.7	15.4
Males, 16 years and over	84.7	91.9	68.3	74.4	59.0	73.5	53.1	41.5	40.4	64.0
16 to 19 years	2.6	4.6	2.5	2.2	3.0	1.8	8.2	1.0	2.2	1.0
20 years and over	82.1	87.2	65.8	72.3	56.0	71.7	44.9	40.5	38.2	63.0
20 to 24 years	13.2	14.0	9.0	9.7	8.0	7.4	9.0	4.2	4.8	3.9
25 years and over	68.9	73.2	56.8	62.6	48.0	64.3	35.9	36.3	33.4	59.0
25 to 54 years	59.5	61.4	47.1	51.9	39.7	54.0	28.8	28.1	26.8	48.7
55 years and over	9.4	11.8	9.7	10.7	8.3	10.3	7.1	8.2	6.6	10.4
Females, 16 years and over	15.2	8.2	31.7	25.6	40.9	26.5	46.9	58.3	59.6	36.0
16 to 19 years .....	.5	.3	1.2	.8	1.8	.6	8.0	3.5	3.1	1.2
20 years and over	14.7	7.8	30.5	24.7	39.2	25.9	38.8	55.0	56.5	34.8
20 to 24 years	3.8	1.1	4.9	4.1	6.3	3.8	8.7	12.2	8.0	4.3
25 years and over	10.9	6.7	25.5	20.7	32.9	22.0	30.1	42.8	48.5	30.5
25 to 54 years	9.7	5.8	21.4	17.6	27.3	19.6	24.2	36.4	40.4	25.5
55 years and over	1.2	.9	4.1	3.1	5.6	2.4	5.9	6.4	8.2	5.0
White										
Males, 16 years and over	80.8	84.3	60.9	66.6	52.3	64.3	48.0	37.9	35.5	55.5
16 to 19 years	2.5	4.4	2.3	2.0	2.8	1.6	7.5	.8	1.9	.8
20 years and over	78.3	79.9	58.6	64.6	49.5	62.7	40.5	37.0	33.6	54.7
20 to 24 years	12.6	13.0	8.0	8.6	7.1	6.4	8.0	3.6	4.1	3.3
25 years and over	65.7	66.9	50.6	56.0	42.5	56.3	32.4	33.5	29.5	51.4
25 to 54 years	56.7	56.2	41.6	46.1	34.8	46.8	25.9	25.7	23.5	42.0
55 years and over	9.0	10.6	9.0	9.8	7.7	9.4	6.5	7.7	6.0	9.4
Females, 16 years and over	14.2	7.7	27.3	22.5	34.6	22.8	42.9	52.2	51.1	28.5
16 to 19 years .....	.5	.3	1.1	.8	1.6	.6	7.5	3.1	2.7	.9
20 years and over	13.7	7.3	26.2	21.7	33.1	22.2	35.4	49.1	48.4	27.6
20 to 24 years	3.5	1.0	4.3	3.6	5.3	3.3	7.9	10.7	7.0	3.3
25 years and over	10.2	6.3	22.0	18.1	27.8	18.9	27.6	38.4	41.3	24.3
25 to 54 years	9.0	5.5	18.2	15.2	22.6	16.6	22.0	32.3	34.2	19.9
55 years and over	1.2	.9	3.8	2.9	5.2	2.3	5.5	6.1	7.1	4.4
Black and other										
Males, 16 years and over	4.0	7.5	7.4	7.9	6.7	9.2	5.1	3.6	4.9	8.5
16 to 19 years .....	.2	.2	.2	.2	.2	.2	.7	.1	.3	.2
20 years and over	3.8	7.3	7.2	7.7	6.5	9.0	4.4	3.5	4.6	8.3
20 to 24 years .....	.7	1.0	1.0	1.1	.9	1.0	.9	.7	.7	.6
25 years and over	3.1	6.3	6.2	6.6	5.5	8.0	3.5	2.8	3.8	7.6
25 to 54 years	2.8	5.2	5.4	5.8	4.9	7.1	2.9	2.3	3.2	6.6
55 years and over .....	.4	1.1	.8	.8	.7	.9	.6	.5	.6	1.0
Females, 16 years and over	1.0	.5	4.4	3.1	6.3	3.7	3.9	6.3	8.5	7.5
16 to 19 years	--	--	.1	.1	.2	--	.6	.3	.3	.3
20 years and over	1.1	.4	4.2	3.0	6.1	3.6	3.4	6.0	8.2	7.2
20 to 24 years .....	.4	.1	.7	.5	1.0	.5	.8	1.6	1.0	1.0
25 years and over .....	.7	.3	3.6	2.5	5.1	3.1	2.6	4.4	7.2	6.2
25 to 54 years7	.3	3.3	2.3	4.7	3.0	2.2	4.1	6.2	5.5
55 years and over	--	--	.3	.2	.4	.1	.4	.3	1.0	.6

¹ Excludes private households.

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

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Total, 16 years and over	100,397	42.8	11.6				
Agriculture, forestry, and fisheries	3,518	19.7	7.8	Nondurable goods industries—Continued			
Agricultural production	2,797	18.7	6.9	Tobacco manufactures	69	30.4	27.5
Agricultural services, except horticultural	275	43.3	6.9	Textile mill products	744	50.7	19.9
Horticultural services	296	8.1	15.2	Knitting mills	193	72.0	19.7
Forestry	87	27.6	6.9	Yarn, thread, and fabric mills	411	45.5	20.4
Fisheries	64	4.7	12.5	Miscellaneous textile mill products	58	37.9	22.4
Mining	1,118	15.2	5.0	Apparel and other fabricated textile products	1,262	78.1	19.2
Metal mining	134	9.7	3.7	Apparel and accessories	1,106	80.3	19.6
Coal mining	235	5.5	3.8	Miscellaneous fabricated textile products	156	61.5	16.0
Crude petroleum and natural gas extraction	635	21.1	5.2	Paper and allied products	731	22.6	10.1
Nonmetallic mining and quarrying, except fuel	114	7.9	7.9	Pulp, paper, and paperboard mills	312	14.1	9.3
Construction	6,060	8.2	8.1	Miscellaneous paper and pulp products	223	33.2	9.4
General building contractors	1,523	7.1	7.7	Paperboard containers and boxes	197	24.4	12.2
General contractors, except building	1,054	9.3	10.0	Printing, publishing, and allied industries	1,594	41.8	7.3
Special trade contractors	2,968	7.7	7.2	Newspaper publishing and printing	508	42.1	5.9
Not specified construction	515	11.3	10.1	Printing, publishing, and allied industries, except newspapers	1,086	41.7	8.0
Manufacturing	21,817	31.7	11.8	Chemicals and allied products	1,285	27.7	13.5
Durable goods	13,166	25.6	11.0	Industrial chemicals	471	17.8	12.3
Lumber and wood products, except furniture	680	12.6	15.7	Plastics, synthetics and resins, except fibers	85	20.0	9.4
Logging	173	4.6	19.1	Synthetic fibers	95	33.7	17.9
Sawmills, planing mills, and mill work	367	13.1	14.4	Drugs and medicines	221	40.7	11.8
Miscellaneous wood products	140	22.1	15.7	Soaps and cosmetics	170	48.2	14.7
Furniture and fixtures	520	30.4	8.7	Paints, varnishes, and related products	77	18.2	15.6
Stone, clay, and glass products	643	20.5	12.9	Agricultural chemicals	65	16.9	23.1
Glass and glass products	208	29.3	14.4	Miscellaneous chemicals	100	24.0	13.0
Cement, concrete, gypsum, and plaster products	216	9.3	13.9	Petroleum and coal products	232	20.3	11.2
Miscellaneous nonmetallic mineral and stone products	149	23.5	10.1	Petroleum refining	198	19.7	10.6
Primary metal industries	1,154	11.7	14.1	Rubber and miscellaneous plastic products	666	35.0	9.0
Blast furnaces, steelworks, rolling and finishing mills	445	6.3	12.6	Rubber products	259	30.5	10.8
Other primary iron and steel industries	324	11.1	18.2	Miscellaneous plastic products	407	37.8	8.1
Primary aluminum industries	188	14.4	12.2	Leather and leather products	259	62.9	7.7
Other primary nonferrous industries	198	21.7	12.6	Footwear, except rubber	190	66.3	4.7
Fabricated metal products	1,441	22.1	8.4	Leather products, except footwear	52	65.4	11.5
Cutlery, hand tools and other hardware	168	36.9	10.1	Transportation, communications, and other public utilities	6,633	26.5	12.8
Fabricated structural metal products	547	14.4	6.9	Transportation	3,701	21.1	12.8
Screw machine products	94	31.9	6.4	Railroads and railway express service	545	7.3	9.9
Metal stamping	110	20.9	10.9	Street railways and bus lines	561	39.9	21.6
Miscellaneous fabricated metal products	520	24.2	9.0	Taxicab service	96	9.4	32.3
Machinery, except electrical	2,854	21.4	7.9	Trucking service	1,380	12.1	9.2
Engines and turbines	132	17.4	6.8	Warehousing and storage	147	24.5	11.6
Farm machinery and equipment	171	16.4	9.9	Water transportation	199	12.6	17.1
Construction and material handling machines	411	14.1	10.0	Air transportation	556	29.1	12.2
Metalworking machinery	366	18.9	4.1	Services incidental to transportation	195	57.9	9.2
Office and accounting machines	134	32.1	14.9	Communications	1,506	47.2	13.3
Electronic computing equipment	503	33.4	9.1	Radio broadcasting and television	216	38.0	10.2
Machinery, except electrical, n.e.c.	1,135	19.4	6.8	Telephone (wire and radio)	1,169	50.6	14.5
Electrical machinery, equipment, and supplies	2,360	43.0	11.4	Telegraph and miscellaneous communications services	120	31.7	7.5
Household appliances	152	34.9	10.5	Utilities and sanitary services	1,426	18.7	12.4
Radio, T.V., and communication equipment	608	41.8	13.5	Electric light and power	626	19.2	9.3
Electrical machinery, equipment, and supplies, n.e.c.	1,592	44.3	10.7	Electric-gas utilities	180	20.6	11.1
Transportation equipment	2,136	17.2	13.7	Gas and steam supply systems	189	22.3	7.8
Motor vehicles and motor vehicle equipment	1,012	14.9	14.3	Water supply	171	21.0	12.7
Aircraft and parts	686	22.4	10.3	Sanitary services	231	9.1	25.5
Ship and boat building and repairing	304	11.8	20.4	Wholesale and retail trade	20,524	46.9	9.0
Mobile dwellings and campers	58	19.0	12.1	Wholesale trade	4,016	25.7	7.8
Professional and photographic equipment, and watches	615	41.6	8.9	Motor vehicles and equipment	249	23.7	5.6
Scientific and controlling instruments	203	37.4	6.9	Drugs, chemicals, and allied products	194	31.4	8.2
Optical and health services supplies	243	51.9	9.5	Dry goods and apparel	111	40.5	7.2
Photographic equipment and supplies	145	30.3	11.0	Food and related products	621	24.0	11.8
Ordnance	255	24.3	8.6	Farm products—raw materials	125	23.2	4.8
Miscellaneous manufacturing industries	506	45.5	12.3	Electrical goods	235	29.8	6.4
Nondurable goods industries	8,651	41.0	13.0	Hardware, plumbing, and heating supplies	154	22.7	3.2
Food and kindred products	1,780	29.1	13.8	Machinery equipment and supplies	920	25.1	4.8
Meat products	362	32.0	14.9	Metals and minerals, n.e.c.	114	18.4	8.8
Dairy products	190	18.9	5.8	Petroleum products	181	24.9	5.5
Canning and preserving fruits, vegetables, and seafood	263	43.0	14.1	Scrap and waste materials	137	8.8	16.1
Grain-mill products	147	21.8	10.2	Alcoholic beverages	132	15.2	10.6
Bakery products	295	26.1	15.6	Paper and its products	98	27.6	8.2
Confectionery and related products	64	50.0	17.2	Lumber and construction materials	161	20.5	7.5
Beverage industries	245	21.2	11.8	Wholesalers, n.e.c.	574	33.8	9.9
Miscellaneous food preparation and kindred products	214	28.5	19.2	Retail trade	16,508	52.0	9.3
				Lumber and building material retailing	429	24.2	6.1
				Hardware and farm equipment stores	292	29.5	3.4
				Department and mail order establishments	2,103	70.6	11.6

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

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Females	Black and other			Females	Black and other
Wholesale and retail trade—Continued				Service industries—Continued			
Retail trade—Continued				Business and repair services—Continued			
Limited price variety stores	151	76.8	10.6	Automobile services, except repair	235	26.0	14.5
Vending machine operators	83	39.8	9.6	Automobile repair and related services	754	8.2	7.7
Direct selling establishments	328	78.0	6.4	Electrical repair shops	151	15.9	9.9
Miscellaneous general merchandise stores	198	74.2	13.6	Miscellaneous repair services	482	14.9	6.2
Grocery stores	2,294	46.5	9.7	Personal services	3,914	72.5	20.2
Dairy products stores	50	62.0	4.0	Private households	1,276	84.7	30.3
Retail bakeries	142	64.1	6.3	Hotels and motels	816	58.6	22.4
Food stores, n.e.c.	168	51.8	8.9	Lodging places, except hotels and motels	381	81.4	6.8
Motor vehicle dealers	816	15.3	5.8	Laundry, cleaning, and other garment services	417	58.8	22.5
Tire, battery, and accessory dealers	330	18.2	7.0	Beauty shops	583	89.0	9.6
Gasoline service stations	599	14.5	6.7	Barber shops	105	18.1	13.3
Miscellaneous vehicle dealers	102	21.6	3.9	Dressmaking shops	48	93.8	14.6
Apparel and accessory stores, except shoe stores	690	77.4	8.7	Miscellaneous personal services	264	51.5	8.0
Shoe stores	147	45.6	12.9	Entertainment and recreation services	1,107	39.4	9.1
Furniture and home furnishings stores	467	35.3	7.7	Theaters and motion pictures	367	33.5	8.7
Household appliances, T.V., and radio stores	302	28.8	4.3	Bowling alleys, billiard and pool parlors	87	43.7	6.9
Eating and drinking places	4,584	59.5	11.6	Miscellaneous entertainment and recreation services	652	62.7	9.8
Drug stores	465	62.6	7.3	Professional and related services	20,201	65.7	14.0
Liquor stores	163	32.5	16.0	Offices of physicians	811	67.4	6.3
Farm and garden supply stores	151	27.2	6.6	Offices of dentists	423	70.4	4.5
Jewelry stores	159	58.5	8.2	Hospitals	4,186	76.4	19.5
Fuel and ice dealers	99	25.3	3.0	Convalescent institutions	1,230	86.9	19.5
Retail florists	149	73.8	10.1	Offices of health practitioners, n.e.c.	83	55.4	3.6
Miscellaneous retail stores	1,028	56.8	6.3	Health services, n.e.c.	884	72.6	20.0
Finance, insurance, and real estate	6,133	58.5	9.9	Legal services	813	51.2	5.0
Banking	1,762	73.0	12.8	Elementary and secondary schools	5,439	70.9	13.1
Credit agencies	574	67.4	7.0	Colleges and universities	2,147	49.8	12.3
Security, commodity brokerage, and investment companies	385	36.6	6.5	Libraries	138	81.2	13.0
Insurance	1,930	55.9	9.9	Educational services, n.e.c.	276	64.5	11.2
Real estate, including real estate-insurance-law offices	1,483	46.9	8.5	Museums, art galleries, and zoos	74	51.4	6.8
Service industries	29,360	60.9	14.1	Religious organizations	640	40.5	8.6
Business and repair services	4,138	32.5	10.6	Welfare services	865	71.3	24.2
Advertising	211	47.9	7.1	Residential welfare facilities	126	65.1	18.3
Services to dwellings and other buildings	373	37.3	23.9	Nonprofit membership organizations	478	55.6	10.0
Commercial research, development, and testing labs	175	27.4	10.3	Engineering and architectural services	639	19.6	8.1
Employment and temporary help agencies	225	73.3	11.6	Accounting, auditing, and bookkeeping services	489	47.6	5.3
Business management and consulting services	349	52.4	6.3	Miscellaneous professional and related services	413	45.3	7.0
Computer programming services	227	38.3	9.3	Public administration	5,233	36.0	16.0
Detective and protective services	244	18.4	22.1	Postal service	682	26.8	22.3
Business services, n.e.c.	714	50.1	8.0	Federal public administration	1,624	39.3	19.7
				State public administration	981	39.6	10.7
				Local public administration	1,946	34.7	13.3

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

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

[In thousands]

Reason not working and sex	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	5,881	5,790	5,729	5,653	2,906	2,934	2,233	2,141
Vacation	3,320	3,247	3,277	3,203	2,185	2,137	875	858
Illness	1,426	1,413	1,392	1,380	536	582	731	676
Bad weather	155	112	119	89	--	--	--	--
Industrial dispute	105	64	105	64	--	--	--	--
All other reasons	876	953	836	917	186	216	627	607
Males, 16 years and over	3,103	2,958	2,974	2,845	1,639	1,625	981	870
Vacation	1,666	1,595	1,632	1,560	1,229	1,182	281	259
Illness	785	773	757	746	311	336	373	338
All other reasons ³	650	589	586	539	100	107	327	272
Females, 16 years and over	2,778	2,832	2,756	2,808	2,498	1,309	1,252	1,272
Vacation	1,654	1,652	1,646	1,643	957	955	595	599
Illness	640	640	635	634	225	245	357	338
All other reasons ³	485	540	474	532	85	109	299	335

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	1981					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total, 16 years and over	94,608	91,377	3,231	100.0	100.0	100.0
1-34 hours	26,511	25,549	960	28.0	28.0	29.7
1-4 hours	800	752	48	.8	.8	1.5
5-14 hours	4,237	4,029	208	4.5	4.4	6.4
15-29 hours	11,889	11,406	482	12.6	12.5	14.9
30-34 hours	9,585	9,362	222	10.1	10.2	6.9
35 hours and over	68,099	65,828	2,270	72.0	72.0	70.3
35-39 hours	6,639	6,484	155	7.0	7.1	4.8
40 hours	38,682	38,127	555	40.9	41.7	17.2
41 hours and over	22,778	21,217	1,560	24.1	23.2	48.3
41 to 48 hours	8,824	8,579	245	9.3	9.4	7.6
49 to 59 hours	7,863	7,440	422	8.3	8.1	13.1
60 hours and over	6,091	5,198	893	6.4	5.7	27.6
Average hours, total at work	38.1	37.9	44.8	--	--	--
Average hours, workers on full-time schedules	42.4	42.0	52.8	--	--	--

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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	1981					
	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	26,511	10,602	15,908	25,549	10,250	15,300
Economic reasons	4,768	1,885	2,883	4,499	1,738	2,761
Slack work	2,445	1,530	915	2,251	1,395	856
Material shortages or repairs to plant and equipment	65	65	--	62	62	--
New job started during week	195	195	--	190	190	--
Job terminated during week	94	94	--	90	90	--
Could find only part-time work	1,968	--	1,968	1,906	--	1,906
Other reasons	21,742	8,717	13,025	21,050	8,511	12,539
Does not want, or unavailable for, full-time work	10,890	--	10,890	10,510	--	10,510
Vacation	1,199	1,199	--	1,180	1,180	--
Illness	1,766	1,591	175	1,719	1,562	157
Bad weather	450	450	--	361	361	--
Industrial dispute	28	28	--	28	28	--
Legal or religious holiday	4,025	4,025	--	4,007	4,007	--
Full time for this job	1,427	--	1,427	1,383	--	1,383
All other reasons	1,959	1,425	534	1,863	1,374	489
Average hours:						
Economic reasons	21.7	24.0	20.2	21.8	24.1	20.3
Other reasons	22.5	28.1	18.8	22.7	28.2	18.9
Worker 30 to 34 hours:						
Economic reasons	1,470	809	661	1,397	757	640
Other reasons	8,115	5,871	2,244	7,965	5,790	2,175

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

[Numbers in thousands]

Industry	1981							Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status							
		On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over ¹	91,377	4,499	12,539	74,339	53,122	8,579	12,638	37.9	42.0
Wage and salary workers	84,415	3,957	11,274	69,184	50,742	8,018	10,424	37.7	41.6
Construction	4,636	373	195	4,068	3,073	394	601	38.6	41.1
Manufacturing	20,337	667	629	19,011	14,200	2,517	2,294	40.0	41.2
Durable goods	12,239	267	262	11,710	8,795	1,521	1,394	40.4	41.2
Nondurable goods	8,068	399	367	7,302	5,406	996	900	39.4	41.2
Transportation and public utilities	5,905	191	370	5,344	3,869	606	869	40.2	42.2
Wholesale and retail trade	17,667	1,274	4,326	12,067	7,903	1,810	2,354	35.7	42.9
Finance, insurance, and real estate	5,404	111	520	4,773	3,722	442	509	38.2	40.6
Service industries	24,539	1,247	4,946	18,346	13,777	1,687	2,882	35.7	41.3
Private households	1,156	218	578	360	251	29	80	23.0	43.7
All other industries	23,383	1,029	4,368	17,986	13,526	1,658	2,802	36.3	41.3
Public administration	4,955	76	269	4,610	3,651	426	533	39.1	40.6
Self-employed workers	6,572	527	1,111	4,934	2,258	538	2,138	40.5	48.0
Unpaid family workers	390	15	154	221	122	22	77	35.8	46.3

¹ Includes mining, not shown separately.

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

[Numbers in thousands]

Sex, age, race, and marital status	1981							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	91,377	4,499	12,539	74,339	53,122	21,217	37.9	42.0
16 to 21 years	11,564	1,156	4,123	6,285	4,994	1,291	30.1	40.4
16 to 19 years	6,606	730	3,202	2,674	2,154	520	26.5	40.1
16 to 17 years	2,580	255	1,866	459	386	73	20.0	38.8
18 to 19 years	4,025	475	1,337	2,213	1,766	447	30.7	40.4
20 years and over	84,771	3,770	9,336	71,665	50,968	20,697	38.7	42.1
20 to 24 years	13,133	925	1,794	10,414	7,963	2,451	36.8	41.0
25 years and over	71,637	2,844	7,542	61,251	43,004	18,247	39.1	42.3
25 to 44 years	44,463	1,786	3,913	38,764	26,869	11,895	39.6	42.4
45 to 64 years	24,768	958	2,462	21,348	15,322	6,026	39.2	42.1
65 years and over	2,406	100	1,167	1,139	813	326	28.9	42.0
Males, 16 years and over	51,852	2,079	3,724	46,049	29,837	16,212	40.7	43.4
16 to 21 years	5,937	562	1,887	3,488	2,582	906	31.8	41.3
16 to 19 years	3,377	359	1,513	1,505	1,146	359	27.9	40.9
16 to 17 years	1,320	133	902	285	233	52	21.1	39.3
18 to 19 years	2,057	226	611	1,220	913	307	32.3	41.3
20 years and over	48,475	1,720	2,211	44,544	28,691	15,853	41.6	43.5
20 to 24 years	6,896	452	694	5,750	4,016	1,734	38.7	42.3
25 years and over	41,579	1,268	1,517	38,794	24,675	14,119	42.1	43.7
25 to 44 years	25,667	809	494	24,364	15,153	9,211	42.8	43.9
45 to 64 years	14,504	407	402	13,695	9,019	4,676	42.1	43.3
65 years and over	1,408	51	521	736	506	230	30.3	42.2
Females, 16 years and over	39,525	2,421	8,815	28,289	23,285	5,004	34.1	39.8
16 to 21 years	5,627	594	2,236	2,797	2,411	386	28.4	39.1
16 to 19 years	3,228	371	1,690	1,167	1,007	160	25.1	39.0
16 to 17 years	1,260	122	964	174	153	21	18.8	37.9
18 to 19 years	1,968	250	726	992	852	140	29.0	39.2
20 years and over	36,297	2,050	7,125	27,122	22,278	4,844	34.9	39.8
20 to 24 years	6,238	473	1,101	4,664	3,947	717	34.7	39.5
25 years and over	30,058	1,576	6,025	22,457	18,329	4,128	34.9	39.9
25 to 44 years	18,797	976	3,419	14,402	11,720	2,682	35.3	39.9
45 to 64 years	10,264	551	2,059	7,654	6,303	1,351	35.0	39.9
65 years and over	998	49	546	433	308	95	26.9	41.6
RACE								
White, 16 years and over	80,651	3,732	11,454	65,465	45,773	19,692	38.0	42.2
Males	46,299	1,750	3,360	41,189	26,038	15,151	41.0	43.6
Females	34,352	1,982	8,093	24,277	19,736	4,541	33.9	39.9
Black and other, 16 years and over	10,726	767	1,085	8,874	7,349	1,525	37.0	40.5
Males	5,553	329	364	4,860	3,799	1,061	38.8	41.5
Females	5,173	439	721	4,013	3,549	464	35.1	39.3
MARITAL STATUS								
Males, 16 years and over:								
Married, spouse present	35,043	946	1,160	32,937	20,684	12,253	42.4	43.7
Widowed, divorced, or separated	4,487	215	207	4,065	2,638	1,427	41.4	43.6
Single (never married)	12,322	918	2,358	9,046	6,513	2,533	35.9	42.1
Females, 16 years and over:								
Married, spouse present	21,631	1,127	5,180	15,324	12,802	2,522	33.9	39.6
Widowed, divorced, or separated	7,819	509	1,054	6,256	4,963	1,293	36.5	40.4
Single (never married)	10,075	784	2,581	6,710	5,521	1,189	32.6	39.8

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

(Number in thousands)

Occupation and sex	1981								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full- time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total, 16 years and over	91,962	4,557	12,640	74,765	53,374	8,633	12,758	37.9	42.1
White-collar workers	49,341	1,440	6,864	41,537	28,975	4,496	8,066	38.5	42.3
Professional and technical	15,159	321	1,692	13,146	9,065	1,429	2,652	39.2	42.3
Managers and administrators, except farm	10,966	156	531	10,279	5,414	1,353	3,512	44.3	45.9
Sales workers	6,092	333	1,464	4,295	2,672	531	1,092	36.2	43.5
Clerical workers	17,623	630	3,177	13,816	11,822	1,183	811	35.1	39.2
Blue-collar workers	29,155	1,852	1,934	25,669	18,596	3,396	3,677	39.1	41.8
Craft and kindred workers	11,956	579	424	10,953	7,640	1,546	1,767	40.4	42.1
Operatives, except transport	9,925	619	511	8,795	6,836	1,093	866	38.8	40.8
Transport equipment operatives	3,235	207	271	2,757	1,636	403	718	41.1	44.7
Nonfarm laborers	4,338	447	728	3,163	2,483	355	325	34.7	40.6
Service workers	12,666	1,265	3,842	7,559	5,803	741	1,015	32.5	41.6
Private household workers	1,001	165	501	335	235	28	72	23.9	43.2
Other service workers	11,666	1,100	3,340	7,226	5,569	714	943	33.2	41.5
Males, 16 years and over	52,271	2,122	3,774	46,375	30,023	6,062	10,290	40.7	43.4
White-collar workers	23,422	425	1,427	21,570	12,604	2,701	6,265	42.6	44.6
Professional and technical	8,588	128	468	7,992	5,053	891	2,048	42.0	43.8
Managers and administrators, except farm	7,380	106	217	7,657	3,676	1,016	2,965	45.8	46.9
Sales workers	3,379	94	352	2,933	1,600	414	919	41.5	44.9
Clerical workers	3,475	96	391	2,988	2,275	380	333	37.9	40.9
Blue-collar workers	24,001	1,367	1,337	21,297	14,928	2,950	3,419	39.8	42.3
Craft and kindred workers	11,206	532	326	10,348	7,176	1,468	1,704	40.6	42.2
Operatives, except transport	5,992	257	240	5,495	4,003	771	721	40.2	41.9
Transport equipment operatives	2,962	181	159	2,622	1,535	390	697	42.1	44.9
Nonfarm laborers	3,841	396	611	2,834	2,214	322	298	34.9	40.7
Service workers	3,348	330	1,010	3,508	2,491	411	636	36.3	43.0
Private household workers	36	4	17	15	10	1	4	26.7	44.7
Other service workers	4,311	327	993	3,491	2,478	410	603	36.4	43.0
Females, 16 years and over	39,593	2,434	8,866	28,393	23,354	2,571	2,468	34.0	39.8
White-collar workers	26,420	1,015	5,437	19,968	16,372	1,795	1,801	34.8	39.8
Professional and technical	6,571	193	1,225	5,153	4,011	538	604	35.5	40.1
Managers and administrators, except farm	2,986	49	313	2,624	1,739	337	548	40.3	43.0
Sales workers	2,714	238	1,113	1,363	1,072	118	173	29.7	40.3
Clerical workers	14,148	535	2,786	10,827	9,547	803	477	34.4	38.8
Blue-collar workers	5,454	484	597	4,373	3,669	446	258	36.0	39.5
Craft and kindred workers	750	47	98	605	463	78	64	36.8	40.6
Operatives, except transport	3,933	362	270	3,301	2,833	322	146	36.6	39.2
Transport equipment operatives	274	27	111	136	102	13	21	30.2	41.2
Nonfarm laborers	498	49	117	332	273	33	26	33.3	39.9
Service workers	7,319	935	2,832	4,052	3,313	330	409	30.1	40.4
Private household workers	964	161	484	319	224	27	68	23.8	43.1
Other service workers	6,854	774	2,348	3,732	3,088	304	340	31.0	40.2

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

(Numbers in thousands)

Employment status	1981								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	7,370	3,751	3,620	6,086	3,112	2,975	1,284	639	645
Civilian labor force	1,292	714	579	1,178	653	524	115	60	54
Employed	1,078	586	492	1,013	552	461	65	34	31
Agriculture	121	99	21	116	95	20	5	4	1
Nonagricultural industries	958	487	471	897	457	441	60	30	30
Unemployed	214	127	87	164	101	63	49	26	23
Unemployment rate	16.6	17.8	15.0	13.9	15.5	12.0	42.6	43.3	42.6
Not in labor force	6,078	3,037	3,041	4,908	2,458	2,450	1,169	579	591
Keeping house	91	8	82	71	7	64	20	1	19
Going to school	4,786	2,430	2,356	3,859	1,967	1,892	928	463	465
Unable to work	6	4	2	4	2	2	3	2	1
All other reasons	1,195	595	600	976	482	494	219	113	106

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

Class of worker and occupation	1981					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,078	586	492	100.0	100.0	100.0
Nonagricultural industries	958	487	471	89.0	83.1	95.9
Wage and salary workers	867	420	447	80.5	71.7	91.0
Private household workers	332	85	247	30.8	14.5	50.3
Government workers	43	25	19	4.0	4.3	3.9
Other wage and salary workers	491	310	181	45.6	52.9	36.9
Self-employed workers	76	56	19	7.1	9.6	3.9
Unpaid family workers	15	11	4	1.4	1.9	.8
Agriculture	121	99	21	11.2	16.9	4.3
Wage and salary workers	67	55	12	6.2	9.4	2.4
Self-employed workers	18	16	2	1.7	2.7	.4
Unpaid family workers	35	28	7	3.2	4.8	1.4
OCCUPATION						
Total	1,078	586	492	100.0	100.0	100.0
White collar workers	287	188	99	26.6	32.1	20.1
Professional and technical	14	8	6	1.3	1.4	1.2
Managers and administrators, except farm	4	4	1	.4	.7	.2
Sales workers	209	159	50	19.4	27.1	10.2
Clerical workers	59	18	41	5.5	3.1	8.3
Blue collar workers	210	187	23	19.5	31.9	4.7
Craft and kindred workers	15	12	3	1.4	2.0	.6
Operatives, except transport	28	21	7	2.6	3.6	1.4
Transport equipment operatives	4	2	1	.4	.3	.2
Nonfarm laborers	163	152	12	15.1	25.9	2.4
Service workers	485	132	353	45.0	22.5	71.7
Private household workers	265	19	246	24.6	3.2	50.0
Other service workers	220	113	107	20.4	19.3	21.7
Farm workers	97	79	18	9.0	13.5	3.7
Farmers and farm managers	4	3	1	.4	.5	.2
Farm laborers and supervisors	92	75	17	8.5	12.8	3.5

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

(In thousands)

Reason and sex	Total		Age in years								
			16 to 19 years		20 to 24 years		25 to 59 years		60 years and over		
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	
TOTAL											
Total not in labor force	60,806	61,460	7,165	7,226	4,713	4,721	22,222	22,028	26,706	27,485	
Do not want a job now	55,131	55,623	5,684	5,698	3,750	3,726	19,536	19,270	26,156	26,928	
Current activity:											
Going to school	6,350	6,430	4,204	4,220	1,520	1,539	607	658	16	13	
Ill, disabled	4,460	4,271	31	34	112	119	2,189	2,022	2,126	2,095	
Keeping house	29,278	28,780	539	478	1,634	1,582	14,426	14,096	12,677	12,624	
Retired	10,963	11,821	--	--	--	--	237	256	10,728	11,564	
Other	4,080	4,321	909	966	484	486	2,077	2,238	610	632	
Want a job now	5,675	5,835	1,480	1,527	962	996	2,680	2,757	550	556	
Reason not looking:											
School attendance	1,511	1,558	1,027	1,062	286	294	193	198	7	5	
Ill, health, disability	755	769	29	27	58	67	509	507	160	169	
Home responsibilities	1,267	1,280	84	74	276	275	869	897	39	35	
Think cannot get job	993	1,103	175	190	156	167	483	563	178	183	
Job-market factors	664	808	109	135	120	136	361	446	75	89	
Personal factors	329	296	68	56	35	31	122	116	106	95	
Other reasons ¹	1,148	1,125	166	174	187	193	627	592	166	164	
Males											
Total not in labor force	17,945	18,537	3,262	3,316	1,415	1,468	3,372	3,489	9,895	10,265	
Do not want a job now	16,118	16,620	2,560	2,572	1,112	1,151	2,820	2,900	9,627	10,000	
Current activity:											
Going to school	3,173	3,194	2,083	2,054	803	821	282	314	7	4	
Ill, disabled	2,387	2,269	17	19	53	64	1,204	1,126	1,112	1,060	
Keeping house	302	282	9	13	7	6	77	93	209	172	
Retired	8,055	8,519	--	--	--	--	197	214	7,860	8,306	
Other	2,201	2,356	452	486	249	260	1,060	1,153	440	458	
Want a job now	1,827	1,916	703	744	302	316	554	588	266	266	
Reason not looking:											
School attendance	757	780	530	548	147	150	79	80	--	2	
Ill, health, disability	331	360	14	14	30	37	208	223	81	86	
Think cannot get job	359	399	88	105	58	62	120	141	93	91	
Other reasons ¹	380	377	71	77	67	67	147	144	92	87	
Females											
Total not in labor force	42,861	42,922	3,903	3,910	3,297	3,254	18,850	18,539	16,812	17,219	
Do not want a job now	39,014	39,003	3,125	3,126	2,638	2,573	16,720	16,370	16,532	16,929	
Current activity:											
Going to school	3,177	3,236	2,123	2,165	716	717	329	344	12	9	
Ill, disabled	2,073	2,002	16	15	59	56	984	895	1,016	1,036	
Keeping house	28,976	28,498	530	466	1,628	1,575	14,350	14,003	12,467	12,452	
Retired	2,908	3,302	--	--	--	--	39	43	2,868	3,258	
Other	1,879	1,965	457	480	235	225	1,018	1,085	169	174	
Want a job now	3,847	3,919	779	784	657	679	2,130	2,169	278	288	
Reason not looking:											
School attendance	754	778	498	514	139	144	112	117	5	3	
Ill, health, disability	424	409	15	13	27	29	303	285	77	82	
Home responsibilities	1,267	1,280	84	74	276	275	869	897	39	35	
Think cannot get job	634	704	88	85	96	105	365	422	85	92	
Other reasons	768	748	94	98	120	126	482	448	72	76	

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

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

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

[In thousands]

Reason and race	Total		Age						Sex			
			16 to 24 years		25 to 59 years		60 years and over		Males		Females	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
WHITE												
Total not in labor force	52,523	52,856	9,257	9,237	19,119	18,781	24,147	24,839	15,161	15,585	37,361	37,272
Do not want a job now	48,305	48,599	7,513	7,467	17,103	16,746	23,687	24,388	13,814	14,216	34,490	34,383
Current activity:												
Going to school	4,997	5,022	4,510	4,532	474	484	15	8	2,514	2,516	2,483	2,506
Ill, disabled	3,575	3,435	111	111	1,717	1,587	1,745	1,738	1,945	1,841	1,630	1,594
Keeping house	26,475	25,958	1,829	1,736	12,998	12,600	11,647	11,623	246	230	26,229	25,728
Retired	9,952	10,684	—	—	214	235	9,736	10,448	7,342	7,751	2,610	2,933
Other	3,305	3,500	1,062	1,088	1,700	1,840	544	571	1,767	1,878	1,538	1,622
Want a job now	4,218	4,258	1,745	1,771	2,011	2,034	459	450	1,346	1,369	2,872	2,889
Reason not looking:												
School attendance	1,087	1,087	961	962	124	121	3	4	555	544	533	543
Ill health, disability	537	542	63	71	352	349	122	121	240	260	297	282
Home responsibilities	991	955	261	235	696	692	34	28	—	—	991	955
Think cannot get job	673	751	190	219	332	387	153	145	241	261	433	490
Other reasons ¹	930	923	271	284	508	485	147	152	311	304	619	619
BLACK AND OTHER												
Total not in labor force	8,283	8,603	2,620	2,711	3,104	3,247	2,560	2,646	2,784	2,952	5,500	5,651
Do not want a job now	6,826	7,023	1,922	1,955	2,435	2,532	2,470	2,541	2,302	2,404	4,522	4,619
Current activity:												
Going to school	1,350	1,406	1,217	1,229	135	177	3	4	658	677	692	729
Ill, disabled	886	836	30	39	470	438	384	360	442	428	444	408
Keeping house	2,804	2,823	344	324	1,432	1,498	1,029	1,002	56	53	2,748	2,770
Retired	1,011	1,137	—	—	21	21	990	1,116	713	768	299	369
Other	773	821	330	363	378	398	63	59	434	478	340	343
Want a job now	1,457	1,580	700	757	670	716	93	105	482	549	977	1,031
Reason not looking:												
School attendance	425	472	353	394	68	75	3	1	204	237	223	235
Ill health, disability	218	227	24	24	161	157	36	46	91	100	127	127
Home responsibilities	276	325	101	115	170	204	7	7	—	—	276	325
Think cannot get job	319	353	140	139	152	176	28	39	118	139	202	214
Other reasons ¹	219	203	82	85	120	104	19	12	70	73	150	130

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	1981						
	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	128	24	—	21	83	109	
Lacks education or training	96	20	16	57	4	66	
Other personal handicap	72	12	15	38	8	55	
Job-market factors:							
Could not find job	471	95	94	240	41	271	
Thinks no job available	337	40	42	206	48	249	
Males							
Personal factors:							
Employers think too young or old	64	16	—	7	41	52	
Lacks education or training	27	10	8	8	2	16	
Other personal handicap	25	5	4	11	4	20	
Job-market factors:							
Could not find job	183	54	36	74	19	99	
Thinks no job available	101	21	14	41	25	75	
Females							
Personal factors:							
Employers think too young or old	64	8	—	14	41	57	
Lacks education or training	69	10	8	48	2	50	
Other personal handicap	47	7	10	26	3	35	
Job-market factors:							
Could not find job	288	41	58	167	23	172	
Thinks no job available	236	19	29	167	23	174	

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

[Numbers in thousands]

Most recent work experience, reason for leaving last job, and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Total, not in labor force	60,806	61,460	11,878	11,947	22,222	22,028	26,706	27,485	52,523	52,856	8,283	8,603
Never worked	9,565	9,691	4,811	5,063	2,220	2,211	2,514	2,418	7,490	7,532	2,073	2,159
Last worked over 5 years ago	30,367	31,020	326	305	11,015	10,836	19,027	19,879	26,984	27,491	3,384	3,530
Last worked 1 to 5 years ago	10,508	10,813	1,702	1,896	5,057	5,249	3,747	3,667	9,151	9,303	1,358	1,511
Left job during previous 12 months	10,363	9,932	5,038	4,681	3,908	3,731	1,416	1,520	8,896	8,530	1,468	1,403
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	44.6	42.4	61.3	59.4	36.9	36.0	5.9	5.7	46.0	43.4	35.8	36.7
Ill health, disability	8.2	7.8	1.8	1.9	14.0	12.2	14.5	15.0	7.5	7.3	12.3	10.5
Retirement, old age	8.3	9.1	--	--	3.7	3.5	50.7	50.7	8.9	9.9	4.4	4.1
Economic reasons	21.0	22.7	18.3	20.2	24.7	26.9	20.5	20.2	20.3	21.7	25.4	29.2
End of seasonal job	8.3	8.8	8.9	9.0	7.9	9.2	7.6	7.1	8.0	8.2	10.6	12.1
Slack work	6.7	7.5	4.6	5.9	9.6	10.1	5.9	6.2	6.4	7.0	8.4	10.6
End of temporary job	6.0	6.4	4.7	5.4	7.3	7.6	7.0	6.8	6.0	6.4	6.4	6.4
All other reasons	18.0	18.0	18.6	18.5	20.6	21.4	8.5	8.4	17.3	17.7	22.1	19.5
Males, not in labor force	17,945	18,537	4,677	4,784	3,372	3,489	9,895	10,265	15,161	15,585	2,784	2,952
Never worked	2,254	2,389	1,966	2,061	243	281	47	48	1,543	1,651	710	738
Last worked over 5 years ago	8,272	8,626	44	47	1,344	1,370	6,885	7,210	7,229	7,532	1,043	1,095
Last worked 1 to 5 years ago	3,554	3,664	413	523	1,007	1,014	2,135	2,127	3,068	3,127	487	537
Left job during previous 12 months	3,862	3,857	2,252	2,153	782	826	828	879	3,320	3,275	542	582
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	38.4	36.4	59.3	57.1	16.2	17.6	2.5	3.2	39.1	37.2	34.2	31.8
Ill health, disability	9.7	9.9	1.8	2.3	27.5	25.0	14.4	14.5	9.4	9.4	11.4	12.5
Retirement, old age	14.6	15.7	--	--	11.4	10.5	57.7	59.3	15.7	17.4	8.1	6.2
Economic reasons	19.9	21.0	19.6	21.8	21.6	23.3	19.2	17.1	19.0	19.6	25.7	28.9
End of seasonal job	8.8	8.8	9.9	10.3	6.5	6.7	8.1	7.2	8.5	8.3	10.8	12.0
Slack work	6.1	6.8	4.5	5.8	11.3	12.0	5.4	4.7	5.7	6.2	8.6	10.5
End of temporary job	5.0	5.4	5.2	5.7	3.7	4.6	5.6	5.2	4.8	5.2	6.2	6.4
All other reasons	17.4	17.0	19.3	18.8	23.5	23.6	6.2	5.9	16.8	16.3	20.7	20.6
Females, not in labor force	42,861	42,922	7,200	7,164	18,850	18,539	16,812	17,219	37,361	37,272	5,500	5,651
Never worked	7,309	7,302	2,846	3,003	1,998	1,930	2,465	2,369	5,946	5,881	1,363	1,421
Last worked over 5 years ago	22,094	22,394	282	258	9,670	9,466	12,143	12,669	19,755	19,959	2,340	2,435
Last worked 1 to 5 years ago	6,954	7,150	1,287	1,373	4,055	4,237	1,612	1,540	6,083	6,176	871	974
Left job during previous 12 months	6,500	6,076	2,785	2,529	3,126	2,905	589	641	5,577	5,255	926	821
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	48.2	46.2	62.9	61.4	42.2	41.3	10.4	10.6	50.1	47.2	36.8	40.2
Ill health, disability	7.2	6.5	1.9	1.7	10.6	8.6	14.7	14.6	6.3	6.0	12.8	9.2
Retirement, old age	4.6	4.9	--	--	1.8	1.5	41.1	41.3	4.9	5.2	2.3	2.6
Economic reasons	21.6	23.8	17.3	19.1	25.4	27.9	22.0	21.9	21.0	22.9	25.2	29.4
End of seasonal job	8.0	8.8	8.0	7.9	8.1	9.9	6.7	6.7	7.6	8.2	10.4	12.2
Slack work	7.0	8.0	4.8	6.0	9.1	9.6	6.5	6.3	6.8	7.5	8.2	10.7
End of temporary job	6.6	7.1	4.5	5.2	8.2	8.4	8.9	8.9	6.7	7.2	6.5	6.5
All other reasons	18.3	18.6	17.9	17.9	20.0	20.8	11.8	11.9	17.6	18.6	23.0	18.7

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

[In thousands]

Work-seeking intentions, work history and sex	Total		Age						Race			
			16 to 24 years		25 to 59 years		60 years and over		White		Black and other	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL	51,090	51,799	6,415	6,495	18,545	18,373	26,130	26,931	44,806	45,293	6,285	6,507
Do not intend to seek work	9,712	9,657	5,460	5,451	3,676	3,653	577	553	7,715	7,561	1,998	2,096
Intend to seek work in the next 12 months	1,652	1,768	1,486	1,616	158	144	8	9	1,151	1,245	501	524
Never worked	1,160	1,053	57	58	925	846	176	149	895	790	264	263
Last worked over 5 years ago	1,922	2,160	691	787	1,047	1,187	182	185	1,479	1,634	441	526
Last worked 1 to 5 years ago	4,980	4,676	3,228	2,991	1,541	1,475	211	210	4,189	3,893	790	782
Worked during previous 12 months	Males											
Do not intend to seek work	14,503	15,044	2,231	2,326	2,664	2,738	9,607	9,979	12,401	12,849	2,103	2,195
Intend to seek work in the next 12 months	3,440	3,492	2,443	2,456	711	751	287	285	2,760	2,735	680	757
Never worked	678	728	649	701	27	25	--	1	471	509	207	219
Last worked over 5 years ago	182	163	11	10	99	97	70	54	127	109	55	54
Last worked 1 to 5 years ago	532	616	217	269	219	238	95	110	405	459	127	158
Worked during previous 12 months	2,049	1,985	1,567	1,476	362	390	119	120	1,757	1,659	290	326
Females												
Do not intend to seek work	36,587	36,756	4,183	4,168	15,883	15,637	16,522	16,952	32,405	32,444	4,182	4,312
Intend to seek work in the next 12 months	6,273	6,165	3,019	2,996	2,968	2,903	287	266	4,955	4,826	1,318	1,339
Never worked	975	1,041	837	914	132	119	8	8	681	736	295	305
Last worked over 5 years ago	977	890	47	49	825	748	103	93	768	681	209	209
Last worked 1 to 5 years ago	1,390	1,544	475	519	832	951	81	74	1,075	1,175	315	368
Worked during previous 12 months	2,931	2,690	1,658	1,514	1,179	1,086	93	90	2,432	2,234	499	456

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

[Numbers in thousands]

Employment status, sex, and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL								
Civilian noninstitutional population	167,745	170,130	146,122	147,908	17,824	18,219	8,901	9,310
Civilian labor force	106,940	108,670	93,600	95,052	10,865	11,086	5,730	5,972
Percent of population	63.8	63.9	64.1	64.3	61.0	60.8	64.0	64.1
Employed	99,303	100,397	87,715	88,709	9,313	9,355	5,126	5,348
Agriculture	3,364	3,368	3,087	3,109	208	184	246	251
Nonagricultural industries	95,938	97,030	84,629	85,600	9,106	9,171	4,881	5,097
Unemployed	7,637	8,273	5,884	6,343	1,553	1,731	575	624
Unemployment rate	7.1	7.6	6.3	6.7	14.3	15.6	10.1	10.4
Not in labor force	60,806	61,460	52,523	52,856	6,959	7,134	3,200	3,338
Males, 20 years and over								
Civilian noninstitutional population	71,138	72,419	62,694	63,715	6,834	7,007	3,671	3,914
Civilian labor force	56,455	57,197	50,049	50,671	5,134	5,223	3,127	3,321
Percent of population	79.4	79.0	79.8	79.5	75.1	74.5	85.2	84.8
Employed	53,101	53,582	47,419	47,846	4,498	4,520	2,868	3,028
Agriculture	2,396	2,384	2,180	2,183	162	148	184	189
Nonagricultural industries	50,706	51,199	45,239	45,663	4,336	4,372	2,684	2,840
Unemployed	3,353	3,615	2,629	2,825	636	703	258	293
Unemployment rate	5.9	6.3	5.3	5.6	12.4	13.5	8.3	8.8
Not in labor force	14,683	15,222	12,645	13,044	1,701	1,785	544	593
Females, 20 years and over								
Civilian noninstitutional population	80,065	81,497	69,575	70,677	8,700	8,924	4,038	4,220
Civilian labor force	41,106	42,485	35,239	36,418	4,841	5,001	1,973	2,106
Percent of population	51.3	52.1	50.6	51.5	55.6	56.0	48.9	49.9
Employed	38,492	39,590	33,275	34,275	4,267	4,329	1,792	1,906
Agriculture	584	604	545	567	26	19	32	35
Nonagricultural industries	37,907	38,986	32,729	33,708	4,241	4,310	1,760	1,871
Unemployed	2,615	2,895	1,964	2,143	574	671	181	200
Unemployment rate	6.4	6.8	5.6	5.9	11.9	13.4	9.2	9.5
Not in labor force	38,958	39,012	34,336	34,258	3,859	3,923	2,065	2,114
Both sexes, 16-19 years								
Civilian noninstitutional population	16,543	16,214	13,854	13,516	2,289	2,288	1,192	1,176
Civilian labor force	9,378	8,988	8,312	7,962	891	862	601	545
Percent of population	56.7	55.4	60.0	58.9	38.9	37.7	50.4	46.3
Employed	7,710	7,225	7,021	6,588	547	505	465	414
Agriculture	385	380	361	359	19	17	30	28
Nonagricultural industries	7,325	6,845	6,661	6,229	528	489	436	386
Unemployed	1,669	1,763	1,291	1,374	343	357	135	131
Unemployment rate	17.8	19.6	15.5	17.3	39.5	41.4	22.5	24.0
Not in labor force	7,165	7,226	5,542	5,554	1,400	1,426	591	631

HOUSEHOLD DATA ANNUAL AVERAGES

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	
	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL								
Civilian noninstitutional population	8,901	9,310	5,327	5,642	1,142	1,165	669	750
Civilian labor force	5,700	5,972	3,537	3,757	589	583	441	483
Percent of population	64.1	64.1	66.4	66.6	51.6	50.0	65.9	64.4
Employed	5,126	5,348	3,174	3,364	509	504	405	439
Agriculture	246	251	223	230	5	5	2	2
Nonagricultural industries	4,881	5,097	2,951	3,134	503	499	403	437
Unemployed	575	624	364	393	80	79	37	44
Unemployment rate	10.1	10.4	10.3	10.5	13.6	13.6	8.4	9.0
Not in labor force	3,200	3,338	1,791	1,886	552	582	228	267
Males, 20 years and over								
Civilian noninstitutional population	3,671	3,914	2,290	2,457	410	431	281	328
Civilian labor force	3,127	3,321	1,995	2,141	330	333	235	264
Percent of population	85.2	84.8	87.1	87.1	80.4	77.3	83.6	80.5
Employed	2,868	3,028	1,832	1,957	296	293	217	243
Agriculture	184	189	167	173	4	3	2	2
Nonagricultural industries	2,684	2,840	1,665	1,784	292	290	215	241
Unemployed	258	293	164	184	35	40	19	22
Unemployment rate	8.3	8.8	8.2	8.6	10.6	12.0	8.1	8.2
Not in labor force	544	593	296	316	79	98	47	63
Females, 20 years and over								
Civilian noninstitutional population	4,038	4,220	2,291	2,441	557	563	315	345
Civilian labor force	1,973	2,106	1,126	1,223	207	208	170	186
Percent of population	48.9	49.9	49.1	50.1	37.2	36.9	54.0	53.9
Employed	1,792	1,906	1,017	1,102	181	186	160	172
Agriculture	32	35	27	30	1	1	--	--
Nonagricultural industries	1,760	1,871	991	1,073	179	185	160	172
Unemployed	181	200	108	120	26	21	11	15
Unemployment rate	9.2	9.5	9.6	9.8	12.6	10.2	6.5	8.0
Not in labor force	2,065	2,114	1,166	1,218	351	356	145	158
Both sexes, 16-19 years								
Civilian noninstitutional population	1,192	1,176	745	744	175	171	72	77
Civilian labor force	601	545	417	393	54	43	36	32
Percent of population	50.4	46.3	56.0	52.8	30.9	25.1	50.0	41.6
Employed	465	414	325	304	34	25	30	25
Agriculture	30	28	29	27	--	--	--	--
Nonagricultural industries	436	386	297	277	34	25	30	25
Unemployment	135	131	92	89	20	18	5	7
Unemployment rate	22.5	24.0	22.1	22.6	37.0	42.5	13.9	(2)
Not in labor force	591	631	330	351	122	128	35	45

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

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

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

[In thousands]

Category	Total		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
CHARACTERISTIC								
Total, 16 years and over	99,303	100,397	87,715	88,709	11,588	11,688	5,126	5,348
Males	57,186	57,397	51,127	51,315	6,059	6,083	3,155	3,273
Females	42,117	43,000	36,587	37,394	5,529	5,606	1,972	2,076
OCCUPATION								
White-collar workers	51,882	52,949	47,267	48,147	4,614	4,802	1,759	1,869
Professional and technical	15,968	16,420	14,444	14,794	1,524	1,625	408	435
Managers and administrators, except farm	11,138	11,540	10,512	10,867	627	673	329	354
Sales workers	6,303	6,425	5,963	6,075	340	350	203	207
Clerical workers	18,564	18,564	16,350	16,410	2,124	2,154	820	873
Blue-collar workers	31,452	31,261	27,327	27,191	4,124	4,071	2,332	2,397
Craft and kindred workers	12,787	12,662	11,683	11,590	1,105	1,072	704	708
Operatives, except transport	10,565	10,540	8,884	8,836	1,680	1,704	1,063	1,074
Transport equipment operatives	3,531	3,476	2,984	2,938	548	538	202	224
Nonfarm laborers	4,567	4,583	3,776	3,826	791	757	363	391
Service workers	13,228	13,438	10,593	10,814	2,635	2,624	841	880
Farm workers	2,741	2,749	2,527	2,558	214	192	196	203
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,425	1,464	1,221	1,273	205	191	222	228
Self-employed workers	1,642	1,638	1,578	1,575	65	63	22	21
Unpaid family workers	297	266	287	261	9	5	2	2
Nonagricultural industries:								
Wage and salary workers	88,525	89,543	77,701	78,615	10,823	10,927	4,619	4,827
Government	15,912	15,689	13,348	13,137	2,565	2,552	669	667
Private industries	72,612	73,853	64,354	65,480	8,259	8,375	3,948	4,160
Private households	1,192	1,208	803	832	389	376	92	90
Other industries	71,420	72,645	63,552	64,648	7,870	7,999	3,856	4,070
Self-employed workers	7,000	7,097	6,538	6,616	462	481	245	251
Unpaid family workers	413	390	390	368	25	22	18	19
FULL- AND PART-TIME STATUS¹								
Full-time schedules	80,706	81,358	71,157	71,722	9,549	9,636	4,298	4,457
Part time for economic reasons	4,321	4,768	3,586	3,953	735	814	313	362
Part time for noneconomic reasons	14,275	14,271	12,973	13,033	1,303	1,238	515	528

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	
	1980	1981	1980	1981	1980	1981	1980	1981
CHARACTERISTIC								
Total, 16 years and over	5,126	5,348	3,174	3,364	509	504	405	439
Males	3,155	3,273	2,038	2,144	317	306	233	257
Females	1,972	2,076	1,136	1,220	193	198	174	183
OCCUPATION								
White-collar workers	1,759	1,869	930	1,026	198	209	182	205
Professional and technical	408	435	193	220	45	49	44	51
Managers and administrators, except farm	329	354	169	186	33	33	41	47
Sales workers	203	207	104	118	17	14	25	26
Clerical workers	820	873	464	502	103	113	72	81
Blue-collar workers	2,332	2,397	1,550	1,627	222	214	176	181
Craft and kindred workers	704	708	470	479	49	51	54	58
Operatives, except transport	1,063	1,074	678	696	123	115	85	85
Transport equipment operatives	202	224	134	152	24	20	16	17
Nonfarm laborers	363	391	268	300	26	28	21	21
Service workers	841	880	512	520	87	80	49	52
Farm workers	196	203	180	191	3	2	--	1
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	222	228	208	216	4	3	1	1
Self-employed workers	22	21	14	13	1	1	1	1
Unpaid family workers	2	2	1	1	--	--	--	--
Nonagricultural industries:								
Wage and salary workers	4,619	4,827	2,815	2,998	489	482	336	390
Government	669	667	429	447	79	75	29	28
Private industries	3,948	4,160	2,388	2,552	411	407	333	363
Private households	92	90	54	47	3	2	1	2
Other industries	3,856	4,070	2,334	2,505	408	405	332	361
Self-employed workers	245	251	126	124	14	15	40	46
Unpaid family workers	18	19	11	12	--	2	2	1
FULL- AND PART-TIME STATUS²								
Full-time schedules	4,298	4,457	2,632	2,780	450	448	357	368
Part time for economic reasons	313	362	230	269	20	19	13	21
Part time for noneconomic reasons	515	528	311	314	39	37	36	51

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	1981			Occupation	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	100,397	9.3	5.3	Craft and kindred workers—Continued			
White-collar workers	52,949	6.7	3.5	All other craft workers	2,429	7.2	5.6
Professional and technical	16,420	6.6	2.6	Operatives, except transport	10,540	13.2	10.2
Health workers	3,125	7.4	2.4	Durable goods manufacturing	4,605	12.5	10.1
Teachers, except college	3,197	8.8	2.4	Nondurable goods manufacturing	3,339	16.0	11.4
Other professional and technical	10,098	5.7	2.8	Other industries	2,596	11.1	8.9
Managers and administrators, except farm	11,540	4.0	3.1	Transport equipment operatives	3,476	14.3	6.4
Salaried workers	9,577	4.1	2.9	Drivers, motor vehicles	2,966	13.6	6.2
Self-employed workers in retail trade	870	3.8	4.3	All other	511	18.6	8.2
Self-employed workers, except retail trade	1,093	3.4	3.8	Nonfarm laborers	4,583	14.3	8.5
Sales workers	6,425	3.9	3.2	Construction	797	13.9	11.2
Retail trade	3,262	5.1	4.0	Manufacturing	986	15.8	8.4
Other industries	3,162	2.7	2.4	Other industries	2,800	13.9	7.8
Clerical workers	18,564	9.4	4.7	Service workers	13,438	16.9	6.5
Stenographers, typists, and secretaries	5,022	7.5	4.0	Private household workers	1,047	30.9	7.4
Other clerical workers	13,542	10.1	5.0	Service workers, except private household	12,391	15.7	6.5
Blue-collar workers	31,261	10.9	7.7	Food service workers	4,682	10.4	6.7
Craft and kindred workers	12,662	6.8	5.6	Protective service workers	1,459	12.1	3.4
Carpenters	1,122	4.0	5.4	All other	6,250	20.5	7.1
Construction craft workers, except carpenters	2,593	8.6	5.6	Farm workers	2,749	4.9	7.4
Mechanics and repairers	3,408	6.6	5.9	Farmers and farm managers	1,485	1.2	.7
Metal craft workers	1,294	5.9	5.3	Farm laborers and supervisors	1,264	9.3	15.3
Blue-collar worker supervisors, not elsewhere classified	1,816	6.7	5.3	Paid workers	1,010	11.6	19.0
				Unpaid family workers	254	.4	.8

49. Employed black and Hispanic-origin workers by industry

(Numbers in thousands)

Industry	1981			Industry	1981		
	Total employed	Percent of total			Total employed	Percent of total	
		Black	Hispanic origin			Black	Hispanic origin
Total, 16 years and over	100,397	9.3	5.3	Nondurable goods—Continued			
Agriculture	3,368	5.5	7.5	Other nondurable goods industries	589	10.2	6.6
Mining	1,118	3.7	6.0	Transportation and public utilities	6,633	11.1	4.7
Construction	6,060	6.6	5.5	Railroads and railway express	545	9.4	3.3
Manufacturing	21,817	9.6	6.7	Other transportation	3,155	11.3	5.2
Durable goods	13,166	8.8	6.3	Communications and other public utilities	2,933	11.2	4.4
Lumber and wood products	680	14.6	4.6	Wholesale and retail trade	20,524	6.6	5.2
Furniture and fixtures	520	7.5	14.0	Wholesale trade	4,016	5.8	5.4
Stone, clay, and glass products	643	11.0	6.8	Retail trade	16,508	6.8	5.2
Primary metal industries	1,154	13.3	6.8	Finance, insurance, and real estate	6,133	7.6	4.3
Fabricated metal products	1,441	7.1	7.8	Service industries	29,511	11.5	4.6
Machinery, except electrical equipment	2,854	6.0	5.0	Private household	1,276	28.8	7.4
Electrical equipment	2,360	7.8	5.9	Other service industries	28,235	10.7	4.5
Transportation equipment	2,136	11.3	4.3	Business repair services	4,138	8.4	5.6
Automobiles	1,012	13.3	3.1	Personal services	2,638	11.6	7.6
Other transportation equipment	1,124	9.4	5.4	Entertainment and recreation services	1,107	7.0	4.4
Instruments and related products	615	6.2	5.4	Professional services	20,201	11.3	3.9
Other durable goods industries	763	7.1	10.2	Medical, except hospital	3,476	11.2	4.2
Nondurable goods	8,651	10.8	7.5	Hospitals	4,186	15.5	4.0
Food and kindred products	1,780	11.2	10.4	Welfare and religion	1,631	15.8	4.9
Textile mill products	744	18.4	4.6	Education	8,003	10.8	3.7
Apparel and other textile products	1,262	13.9	15.0	Other	2,906	4.1	3.0
Paper and allied products	731	8.9	4.5	Forestry and fisheries	151	4.0	2.0
Printing and publishing	1,594	6.0	3.7	Public administration	5,233	13.3	4.3
Chemicals and allied products	1,285	12.1	4.1				
Rubber and plastics products	666	6.8	8.4				

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

[In thousands]

Sex and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	99,303	100,397	87,715	88,709	9,313	9,355	5,126	5,348
16 to 19 years	7,710	7,225	7,021	6,588	547	505	465	414
16 to 17 years	3,106	2,866	2,861	2,645	192	170	164	145
18 to 19 years	4,605	4,359	4,161	3,943	356	335	302	269
20 to 24 years	14,087	14,122	12,405	12,477	1,376	1,346	901	947
25 years and over	77,506	79,050	68,289	69,644	7,388	7,503	3,759	3,987
25 to 54 years	62,960	64,580	55,128	56,583	6,224	6,318	3,357	3,563
55 years and over	14,545	14,470	13,160	13,062	1,164	1,185	402	424
Males, 16 years and over	57,186	57,397	51,127	51,315	4,797	4,794	3,155	3,273
16 to 19 years	4,085	3,815	3,708	3,469	299	274	287	244
16 to 17 years	1,672	1,526	1,534	1,402	109	95	101	86
18 to 19 years	2,412	2,289	2,174	2,066	191	178	186	158
20 to 24 years	7,532	7,504	6,652	6,652	713	693	535	568
25 years and over	45,570	46,078	40,767	41,194	3,784	3,827	2,335	2,461
25 to 54 years	36,736	37,357	32,671	33,222	3,182	3,211	2,065	2,176
55 years and over	8,834	8,721	8,096	7,971	602	615	271	285
Females, 16 years and over	42,117	43,000	36,587	37,394	4,515	4,561	1,972	2,076
16 to 19 years	3,625	3,411	3,314	3,119	248	232	179	170
16 to 17 years	1,433	1,340	1,327	1,242	82	75	63	59
18 to 19 years	2,192	2,070	1,986	1,877	165	157	116	111
20 to 24 years	6,555	6,618	5,753	5,826	663	653	366	379
25 years and over	31,936	32,972	27,522	28,450	3,604	3,677	1,423	1,526
25 to 54 years	26,225	27,223	22,457	23,359	3,042	3,107	1,293	1,388
55 years and over	5,712	5,749	5,065	5,090	561	570	132	139

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

Sex and age	Total		White		Black		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
Total, 16 years and over	7.1	7.6	6.3	6.7	14.3	15.6	10.1	10.4
16 to 19 years	17.8	19.6	15.5	17.3	38.5	41.4	22.5	24.0
16 to 17 years	20.0	21.4	17.9	19.2	41.1	44.8	27.5	28.0
18 to 19 years	16.2	18.4	13.8	15.9	37.1	39.5	19.5	21.6
20 to 24 years	11.5	12.3	9.9	10.4	23.6	26.4	12.1	14.0
25 years and over	5.1	5.4	4.5	4.8	9.6	10.6	7.7	7.8
25 to 54 years	5.5	5.8	4.9	5.1	10.3	11.5	8.1	7.9
55 years and over	3.3	3.6	3.0	3.4	5.6	5.7	5.9	7.0
Males, 16 years and over	6.9	7.4	6.1	6.5	14.5	15.7	9.7	10.2
16 to 19 years	18.3	20.1	16.2	17.9	37.5	40.7	21.6	24.3
16 to 17 years	20.4	22.0	18.5	19.9	39.7	43.2	26.1	30.7
18 to 19 years	16.7	18.8	14.5	16.4	36.2	39.2	19.1	20.3
20 to 24 years	12.5	13.2	11.1	11.6	23.7	26.4	12.3	14.2
25 years and over	4.8	5.1	4.2	4.5	9.9	10.6	7.3	7.5
25 to 54 years	5.1	5.5	4.5	4.9	10.4	11.3	7.4	7.6
55 years and over	3.3	3.5	3.0	3.2	7.0	6.7	7.0	6.9
Females, 16 years and over	7.4	7.9	6.5	6.9	14.0	15.6	10.7	10.8
16 to 19 years	17.2	19.0	14.8	16.6	39.8	42.2	23.4	23.5
16 to 17 years	19.6	20.7	17.3	18.4	42.9	46.5	30.4	23.5
18 to 19 years	15.6	17.9	13.1	15.3	38.2	39.8	19.7	23.5
20 to 24 years	10.4	11.2	8.5	9.1	23.5	26.4	11.9	13.6
25 years and over	5.5	5.9	4.9	5.2	9.3	10.6	8.4	8.4
25 to 54 years	6.0	6.3	5.3	5.5	10.1	11.6	8.8	8.5
55 years and over	3.2	3.8	3.1	3.7	4.6	5.0	5.0	7.3

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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	
	1980	1981	1980	1981	1980	1981	1980	1981
DURATION								
Total, 16 years and over	7,637	8,273	5,884	6,343	1,752	1,930	575	624
Less than 5 weeks	3,295	3,449	2,580	2,703	715	746	265	287
5 to 14 weeks	2,470	2,539	1,908	1,967	562	573	186	199
15 weeks and over	1,871	2,285	1,396	1,673	476	612	124	138
15 to 26 weeks	1,052	1,122	805	848	247	274	75	79
27 weeks and over	820	1,162	592	825	229	338	49	59
Average (mean) duration, in weeks	11.9	13.7	11.5	13.0	13.4	16.0	11.1	11.2
Median duration, in weeks	6.5	6.9	6.3	6.7	7.3	8.0	6.0	5.9
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	43.2	41.7	43.9	42.6	40.8	38.6	46.1	46.0
5 to 14 weeks	32.3	30.7	32.4	31.0	32.1	29.7	32.3	31.9
15 weeks and over	24.5	27.6	23.7	26.4	27.2	31.7	21.6	22.1
15 to 26 weeks	13.8	13.6	13.7	13.4	14.1	14.2	13.0	12.7
27 weeks and over	10.7	14.0	10.1	13.0	13.1	17.5	8.5	9.5

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

[Numbers in thousands]

Reason for unemployment	Total		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981
NUMBER OF UNEMPLOYED								
Total, 16 years and over	7,637	8,273	5,884	6,343	1,752	1,930	575	624
Job losers	3,947	4,267	3,100	3,335	847	932	305	353
On layoff	1,488	1,430	1,244	1,206	244	224	77	104
Other job losers	2,459	2,837	1,855	2,129	603	709	229	249
Job leavers	891	923	733	758	157	164	71	64
Reentrants	1,927	2,102	1,447	1,565	480	537	119	130
New entrants	872	981	603	684	270	296	79	76
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	51.7	51.6	52.7	52.6	48.3	48.3	53.1	56.7
On layoff	19.5	17.3	21.1	19.0	13.9	11.6	13.4	16.7
Other job losers	32.1	34.3	31.5	33.6	34.2	36.7	39.9	40.0
Job leavers	11.7	11.2	12.5	12.0	9.0	8.5	12.4	10.3
Reentrants	25.2	25.4	24.6	24.7	27.4	27.8	20.7	20.9
New entrants	11.4	11.9	10.2	10.8	15.4	15.4	13.8	12.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.7	3.9	3.3	3.5	6.3	6.8	5.4	5.9
Job leavers8	.8	.8	.8	1.2	1.2	1.2	1.1
Reentrants	1.8	1.9	1.5	1.6	3.6	3.9	2.1	2.2
New entrants8	.9	.6	.7	2.0	2.2	1.4	1.3

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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
		1981				
BLACK						
Total not in labor force	7,134	2,239	2,585	2,309	2,433	4,701
Do not want a job now	5,740	1,564	1,962	2,215	1,966	3,775
Current activity:						
Going to school	1,053	963	89	2	471	582
Ill, disabled	763	39	393	330	388	375
Keeping house	2,245	255	1,121	868	47	2,198
Retired	984	--	19	966	661	323
Other	695	307	340	49	399	297
Want a job now	1,393	675	624	94	474	925
Reason not looking:						
School attendance	394	343	50	--	190	204
Ill health, disability	212	22	148	44	91	121
Home responsibilities	290	106	179	6	--	290
Think cannot get job	323	129	159	34	128	195
Other reasons ¹	174	75	88	10	59	115
HISPANIC ORIGIN						
Total not in labor force	3,338	1,009	1,600	729	867	2,471
Do not want a job now	2,901	809	1,381	713	727	2,174
Current activity:						
Going to school	476	424	52	1	229	247
Ill, disabled	192	7	116	69	105	88
Keeping house	1,655	254	1,079	324	8	1,647
Retired	313	--	8	305	232	81
Other	265	124	126	14	153	111
Want a job now	437	200	218	16	139	296
Reason not looking:						
School attendance	106	90	15	--	51	55
Ill health, disability	59	10	41	6	27	31
Home responsibilities	115	33	81	--	--	115
Think cannot get job	73	29	38	7	30	42
Other reasons ¹	84	38	43	3	31	53

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	
1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	
VETERANS										
Total, 25 years and over	8,274	8,549	7,862	8,111	7,416	7,639	445	472	5.7	5.8
25 to 29 years	7,272	7,315	6,996	7,036	6,578	6,602	418	434	6.0	6.2
30 to 34 years	1,713	1,486	1,612	1,386	1,452	1,250	160	136	9.9	9.8
35 to 39 years	3,574	3,325	3,460	3,217	3,285	3,033	176	184	5.1	5.7
40 years and over	1,985	2,504	1,924	2,433	1,841	2,319	83	114	4.3	4.7
	1,002	1,234	866	1,075	838	1,037	27	38	3.1	3.5
NONVETERANS										
Total, 25 to 39 years	16,321	17,215	15,489	16,297	14,555	15,265	935	1,032	6.0	6.3
25 to 29 years	7,534	7,858	7,114	7,402	6,582	6,843	532	559	7.5	7.6
30 to 34 years	4,837	5,472	4,619	5,209	4,368	4,904	250	305	5.4	5.9
35 to 39 years	3,950	3,885	3,757	3,686	3,605	3,518	152	168	4.1	4.6

NOTE: Vietnam-era veterans are males who served in the Armed Forces between August 5, 1964 and May 7, 1975. Nonveterans are males who never served in the Armed Forces; published data are limited to those 25 to 39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Although Public Law 96-466 (the Veterans Rehabilitation and Education Amendments of 1980), which became effective October 17, 1980, requires publication of labor market data for veterans who actually served in the Vietnam theater of operations, these data are not presently collected. Because of the widespread interest in statistics for all Vietnam-era veterans, the BLS is continuing publication of annual data for this group since these data are currently available.

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

[Numbers in thousands]

Employment status and age	Veterans ¹						Nonveterans					
	White		Black and other		Hispanic origin		White		Black and other		Hispanic origin	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
Total, 25 to 39 years:												
Civilian noninstitutional population	6,514	6,536	758	779	269	276	14,027	14,814	2,294	2,401	1,232	1,342
Civilian labor force	6,293	6,324	704	712	252	261	13,445	14,185	2,044	2,112	1,155	1,255
Employed	5,958	5,963	622	639	236	241	12,735	13,400	1,821	1,865	1,061	1,148
Unemployed	335	361	82	73	16	20	710	785	223	247	94	107
Unemployment rate	5.3	5.7	11.6	10.3	6.3	7.7	5.3	5.5	10.9	11.7	8.1	8.5
25 to 29 years												
Civilian noninstitutional population	1,480	1,281	233	205	87	80	6,556	6,828	979	1,030	540	593
Civilian labor force	1,397	1,208	215	178	79	75	6,250	6,510	863	892	503	555
Employed	1,276	1,100	176	150	73	70	5,833	6,077	749	766	458	506
Unemployed	121	108	39	28	6	5	417	433	115	126	45	49
Unemployment rate	8.7	8.9	18.1	15.7	7.6	6.7	6.7	6.7	13.3	14.1	8.9	8.8
30 to 34 years												
Civilian noninstitutional population	3,242	2,991	332	334	120	111	4,109	4,677	728	795	395	434
Civilian labor force	3,152	2,909	309	308	115	107	3,960	4,500	659	709	371	409
Employed	3,005	2,753	281	280	109	98	3,778	4,274	591	630	341	371
Unemployed	147	156	28	28	6	9	182	226	68	79	30	38
Unemployment rate	4.7	5.4	9.1	9.1	5.2	8.4	4.6	5.0	10.3	11.1	8.1	9.3
35 to 39 years												
Civilian noninstitutional population	1,791	2,264	194	240	62	85	3,363	3,309	587	576	298	315
Civilian labor force	1,743	2,207	181	226	58	79	3,235	3,175	521	511	282	291
Employed	1,676	2,110	166	209	54	73	3,123	3,049	480	469	263	271
Unemployed	67	97	15	17	4	6	112	126	41	42	19	20
Unemployment rate	3.8	4.4	8.3	7.5	6.9	7.6	3.5	4.0	7.9	8.2	6.7	6.9

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

(Numbers in thousands)

Employment status, sex, age, and race	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL												
Civilian noninstitutional population	114,088	115,705	47,417	47,557	66,672	68,148	53,658	54,425	4,575	4,389	49,083	50,036
Civilian labor force	73,911	75,048	29,769	29,777	44,141	45,271	33,027	33,620	2,912	2,817	30,124	30,803
Percent of population	64.8	64.9	62.8	62.6	66.2	66.4	61.6	61.8	63.7	64.2	61.4	61.6
Employed	68,688	69,433	27,271	27,129	41,417	42,304	30,613	30,963	2,820	2,719	27,794	28,244
Unemployed	5,223	5,615	2,498	2,649	2,724	2,966	2,415	2,657	94	98	2,321	2,559
Unemployment rate	7.1	7.5	8.4	8.9	6.2	6.6	7.3	7.9	3.2	3.5	7.7	8.3
Not in labor force	40,177	40,657	17,648	17,779	22,530	22,878	20,631	20,805	1,662	1,571	18,968	19,234
Males, 20 years and over												
Civilian noninstitutional population	48,270	49,206	19,698	19,906	28,572	29,300	22,866	23,212	2,085	2,006	20,782	21,206
Civilian labor force	38,811	39,365	15,279	15,335	23,532	24,030	17,644	17,832	1,704	1,638	15,940	16,194
Percent of population	80.4	80.0	77.6	77.0	82.4	82.0	77.2	76.8	81.7	81.7	76.7	76.4
Employed	36,519	36,898	14,158	14,150	22,361	22,748	16,582	16,684	1,670	1,603	14,912	15,081
Unemployed	2,292	2,467	1,122	1,185	1,170	1,282	1,059	1,147	33	35	1,026	1,112
Unemployment rate	5.9	6.3	7.3	7.7	5.0	5.3	6.0	6.4	1.9	2.1	6.4	6.9
Not in labor force	9,458	9,841	4,415	4,570	5,043	5,271	5,225	5,381	381	368	4,845	5,013
Females, 20 years and over												
Civilian noninstitutional population	54,702	55,642	23,310	23,465	31,392	32,177	25,363	25,855	1,963	1,911	23,399	23,944
Civilian labor force	28,799	29,677	12,163	12,330	16,636	17,347	12,306	12,807	899	896	11,407	11,911
Percent of population	52.6	53.3	52.2	52.5	53.0	53.9	48.5	49.5	45.8	46.9	48.7	49.7
Employed	27,023	27,723	11,309	11,388	15,715	16,335	11,468	11,867	866	858	10,603	11,009
Unemployed	1,778	1,955	855	942	922	1,013	836	939	33	38	803	901
Unemployment rate	6.2	6.6	7.0	7.6	5.5	5.8	6.8	7.3	3.7	4.2	7.0	7.6
Not in labor force	25,901	25,964	11,147	11,134	14,754	14,830	13,058	13,049	1,065	1,015	11,993	12,034
Both sexes, 16-19 years												
Civilian noninstitutional population	11,115	10,857	4,411	4,186	6,705	6,671	5,428	5,357	527	472	4,901	4,885
Civilian labor force	6,298	6,005	2,324	2,112	3,975	3,893	3,078	2,981	310	284	2,768	2,697
Percent of population	56.7	55.3	52.7	50.5	59.3	58.4	56.7	55.7	58.8	60.1	56.5	55.2
Employed	5,148	4,813	1,802	1,590	3,346	3,223	2,561	2,412	282	259	2,279	2,153
Unemployed	1,151	1,192	520	520	631	672	518	570	28	25	490	545
Unemployment rate	18.3	19.9	22.4	24.6	15.9	17.3	16.8	19.1	9.0	8.8	17.7	20.2
Not in labor force	4,817	4,851	2,087	2,074	2,730	2,777	2,350	2,376	217	188	2,133	2,188
White												
Civilian noninstitutional population	97,292	98,475	35,812	35,714	61,479	62,761	48,831	49,433	4,293	4,128	44,538	45,305
Civilian labor force	63,373	64,339	22,733	22,707	40,640	41,632	30,225	30,711	2,764	2,680	27,462	28,031
Percent of population	65.1	65.3	63.5	63.6	66.1	66.3	61.9	62.1	64.4	64.9	61.7	61.9
Employed	59,517	60,227	21,238	21,151	38,279	39,076	28,197	28,481	2,684	2,596	25,513	25,885
Unemployed	3,856	4,112	1,496	1,556	2,360	2,556	2,028	2,230	79	83	1,949	2,147
Unemployment rate	6.1	6.4	6.6	6.9	5.8	6.1	6.7	7.3	2.9	3.1	7.1	7.7
Not in labor force	33,918	34,136	13,077	13,007	20,841	21,129	18,606	18,722	1,531	1,449	17,076	17,273
Black and other												
Civilian noninstitutional population	16,797	17,230	11,606	11,843	5,190	5,387	4,825	4,991	281	260	4,545	4,731
Civilian labor force	10,537	10,709	7,034	7,070	3,503	3,639	2,802	2,909	151	138	2,651	2,771
Percent of population	62.7	62.2	60.6	59.7	67.5	67.6	58.1	58.3	53.7	52.9	58.3	58.6
Employed	9,171	9,206	6,033	5,978	3,138	3,228	2,416	2,482	135	123	2,282	2,359
Unemployed	1,366	1,503	1,003	1,093	363	410	386	427	14	14	372	413
Unemployment rate	13.0	14.0	14.3	15.5	10.4	11.3	13.8	14.7	9.3	10.5	14.0	14.9
Not in labor force	6,260	6,521	4,571	4,772	1,688	1,749	2,023	2,082	131	123	1,892	1,959

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

(Number in thousands)

Employment status and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL												
Civilian noninstitutional population	30,246	30,304	137,499	139,826	11,451	11,472	102,637	104,233	18,795	18,832	34,862	35,592
Civilian labor force	16,973	17,100	89,965	91,568	6,201	6,251	67,710	68,797	10,771	10,848	22,255	22,772
Percent of population	56.1	56.4	65.4	65.5	54.2	54.5	66.0	66.0	57.3	57.6	63.8	64.0
Employed	15,280	15,268	84,021	85,128	5,356	5,352	63,333	64,082	9,923	9,916	20,690	21,047
Unemployed	1,692	1,831	5,943	6,440	845	900	4,377	4,715	848	932	1,565	1,725
Unemployment rate	10.0	10.7	6.6	7.0	13.6	14.4	6.5	6.9	7.9	8.6	7.0	7.6
Not in labor force	13,273	13,204	47,534	48,257	5,249	5,220	34,926	35,437	8,024	7,984	12,607	12,821
White												
Civilian noninstitutional population	21,392	21,366	124,732	126,543	5,785	5,837	91,507	92,638	15,608	15,529	33,223	33,904
Civilian labor force	12,293	12,371	81,305	82,679	3,239	3,324	60,135	61,015	9,054	9,047	21,170	21,664
Percent of population	57.5	57.9	65.2	65.3	56.0	57.0	65.7	65.9	58.0	58.3	63.7	63.9
Employed	11,366	11,383	76,350	77,325	2,912	2,991	56,606	57,236	8,454	8,392	19,742	20,089
Unemployed	927	988	4,956	5,354	328	333	3,528	3,778	599	654	1,427	1,575
Unemployment rate	7.5	8.0	6.1	6.5	10.1	10.0	5.9	6.2	6.6	7.2	6.7	7.3
Not in labor force	9,098	8,995	43,425	43,863	2,545	2,513	31,372	31,623	6,553	6,482	12,053	12,240
Black and other												
Civilian noninstitutional population	8,856	8,938	12,766	13,283	5,667	5,635	11,129	11,595	3,187	3,303	1,636	1,688
Civilian labor force	4,680	4,729	8,659	8,889	2,961	2,927	7,576	7,782	1,717	1,801	1,083	1,107
Percent of population	52.8	52.9	67.8	66.9	52.2	51.9	68.1	67.1	53.9	54.5	66.2	65.6
Employed	3,914	3,885	7,672	7,803	2,445	2,361	6,726	6,845	1,470	1,524	947	958
Unemployed	766	844	987	1,086	516	566	849	937	249	277	138	150
Unemployment rate	16.4	17.8	11.4	12.2	17.4	19.3	11.2	12.0	14.5	15.4	12.7	13.5
Not in labor force	4,175	4,209	4,107	4,394	2,705	2,708	3,553	3,813	1,470	1,502	554	581

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

Race, sex, and age	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981	1980	1981
TOTAL												
Both sexes, 16 years and over	10.0	10.7	6.6	7.0	13.6	14.4	6.5	6.9	7.9	8.6	7.0	7.6
Males, 20 years and over	8.2	9.0	5.5	5.8	11.4	12.8	5.4	5.7	6.4	6.8	5.8	6.2
Females, 20 years and over	9.1	9.8	5.9	6.3	11.7	12.3	5.7	6.1	7.4	8.2	6.5	6.9
Both sexes, 16-19 years	24.3	25.9	16.5	18.4	34.9	34.4	16.7	18.5	18.2	21.2	16.2	18.1
White												
Both sexes, 16 years and over	7.5	8.0	6.1	6.5	10.1	10.0	5.9	6.2	6.6	7.2	6.7	7.3
Males, 20 years and over	6.3	6.8	5.1	5.4	8.7	9.4	4.9	5.2	5.5	5.8	5.6	6.0
Females, 20 years and over	6.8	7.0	5.4	5.7	8.8	7.9	5.1	5.4	6.1	6.6	6.2	6.6
Both sexes, 16-19 years	18.1	20.1	15.1	16.8	25.0	24.6	15.1	16.6	15.8	18.6	15.3	17.4
Black and other												
Both sexes, 16 years and over	16.4	17.8	11.4	12.2	17.4	19.3	11.2	12.0	14.5	15.4	12.7	13.5
Males, 20 years and over	13.9	15.5	10.0	10.3	15.1	17.4	9.9	10.2	12.1	12.4	10.3	11.0
Females, 20 years and over	14.0	15.9	9.5	10.6	14.2	16.4	9.3	10.4	13.6	14.9	11.0	12.2
Both sexes, 16-19 years	40.1	40.3	32.2	36.2	44.9	43.7	31.7	36.6	32.0	34.4	33.7	34.1

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

(Numbers in thousands)

Type of family, race, and Hispanic origin	1980					1981				
	Total families	With unemployment:				Total families	With unemployment:			
		Total	Percent of families:				Total	Percent of families:		
			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time			With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL										
Total families	60,439	5,958	27.9	72.1	63.9	61,023	6,354	28.0	72.0	63.5
With children under 18 years of age	31,047	3,747	28.8	71.2	63.2	31,172	3,964	29.4	70.6	62.0
Married-couple families	49,132	4,433	21.0	79.0	71.2	49,319	4,634	20.4	79.6	71.5
With children under 18 years of age	24,773	2,826	20.2	79.8	71.9	24,656	2,941	19.9	80.1	71.9
Families maintained by females	8,962	1,227	50.2	49.8	39.8	9,296	1,404	50.6	49.4	39.1
With children under 18 years of age	5,464	802	56.5	43.5	34.5	5,687	912	58.3	41.7	32.1
Families maintained by males	2,346	298	40.2	59.8	53.8	2,408	317	38.6	61.4	53.6
With children under 18 years of age	809	117	45.4	54.6	51.3	830	110	45.9	54.1	47.7
White										
Total families	52,752	4,685	25.5	74.5	66.5	53,160	4,942	25.3	74.7	66.2
With children under 18 years of age	26,316	2,899	25.8	74.2	66.2	26,355	3,030	25.9	74.1	65.3
Married-couple families	44,626	3,769	20.9	79.1	71.3	44,803	3,907	20.1	79.9	71.8
With children under 18 years of age	22,125	2,380	20.1	79.9	71.8	21,973	2,447	19.7	80.3	71.8
Families maintained by females	6,225	700	46.3	53.7	44.3	6,405	803	46.7	53.3	42.3
With children under 18 years of age	3,543	429	53.2	46.8	37.7	3,707	497	53.5	46.5	35.8
Families maintained by males	1,902	214	38.0	62.0	55.4	1,953	232	37.5	62.5	55.6
With children under 18 years of age	649	90	43.8	56.2	53.9	675	86	42.5	57.5	50.6
Black										
Total families	6,461	1,137	37.9	62.1	53.3	6,578	1,268	38.2	61.8	53.1
With children under 18 years of age	3,967	753	39.7	60.3	51.8	3,996	836	41.7	58.3	50.5
Married-couple families	3,534	563	20.9	79.1	71.1	3,505	619	21.5	78.5	70.3
With children under 18 years of age	2,017	376	19.8	80.2	73.0	2,014	420	20.5	79.5	72.6
Families maintained by females	2,561	502	55.9	44.1	33.5	2,698	574	55.7	44.3	35.1
With children under 18 years of age	1,812	353	60.3	39.7	29.6	1,854	395	63.5	36.5	28.1
Families maintained by males	366	72	45.9	54.1	51.4	375	75	42.9	57.1	48.1
With children under 18 years of age	137	25	(1)	(1)	(1)	128	22	(1)	(1)	(1)
Hispanic origin										
Total families	3,241	454	31.4	68.6	61.5	3,394	484	31.1	68.9	60.7
With children under 18 years of age	2,221	326	32.6	67.4	60.3	2,321	345	33.4	66.6	59.3
Married-couple families	2,400	347	25.4	74.6	67.3	2,487	344	25.0	75.0	67.4
With children under 18 years of age	1,662	258	25.6	74.4	67.1	1,725	260	25.1	74.9	68.0
Families maintained by females	658	78	61.0	39.0	33.8	715	107	49.5	50.5	38.3
With children under 18 years of age	494	53	67.9	32.1	26.4	528	75	60.8	39.2	31.1
Families maintained by males	183	28	(1)	(1)	(1)	192	32	(1)	(1)	(1)
With children under 18 years of age	65	13	(1)	(1)	(1)	67	9	(1)	(1)	(1)

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

HOUSEHOLD DATA ANNUAL AVERAGES

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

(Numbers in thousands)

Family relationship, race, and Hispanic origin	1980			1981				
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time		With no employed persons in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Total unemployed	7,637	40.3	59.7	52.7	8,273	40.1	59.9	52.6
In families	6,537	30.2	69.8	61.6	7,072	30.0	70.0	61.5
Husbands	1,610	45.4	54.6	41.6	1,667	44.6	55.4	41.8
With children under 18 years of age	1,040	48.7	51.3	37.3	1,079	47.8	52.2	37.5
Wives	1,374	16.7	83.3	77.2	1,445	17.2	82.8	77.4
With children under 18 years of age	861	13.8	86.2	80.9	919	15.1	84.9	79.3
Relatives in married-couple families	1,842	9.4	90.6	85.7	2,004	8.7	91.3	85.9
Females who maintain families	483	81.0	19.0	12.2	579	81.8	18.2	10.5
With children under 18 years of age	403	87.3	12.7	7.0	481	87.7	12.3	5.9
Relatives in families maintained by females	901	34.9	65.1	53.7	1,024	32.8	67.2	55.6
Males who maintain families	121	71.9	28.1	21.5	526	65.7	34.3	20.1
With children under 18 years of age	54	85.5	14.5	9.1	133	84.6	15.4	9.4
Relatives in families maintained by males	206	24.8	75.2	69.9	55	25.4	74.6	67.2
Not in families ¹	1,099	--	--	--	1,201	--	--	--
White								
Total unemployed	5,884	38.2	61.8	55.0	6,343	38.2	61.8	54.6
In families	5,040	27.8	72.2	64.2	5,402	27.4	72.6	64.1
Husbands	1,364	45.8	54.2	40.7	1,394	44.8	55.2	40.8
With children under 18 years of age	871	49.6	50.4	35.6	886	48.4	51.6	35.8
Wives	1,168	15.7	84.3	78.7	1,217	16.5	83.5	78.2
With children under 18 years of age	716	12.9	87.1	82.1	755	14.2	85.8	80.3
Relatives in married-couple families	1,521	8.9	91.1	86.5	1,658	8.0	92.0	87.1
Females who maintain families	272	78.2	21.8	14.4	317	77.3	22.7	12.9
With children under 18 years of age	217	86.1	13.9	7.9	253	85.1	14.9	6.8
Relatives in families maintained by females	482	31.4	68.6	58.6	558	30.7	69.3	58.0
Males who maintain families	84	72.6	27.4	20.2	97	64.9	35.1	27.3
With children under 18 years of age	39	82.9	17.1	9.8	41	81.7	18.3	11.2
Relatives in families maintained by males	149	22.8	77.2	70.5	161	25.7	74.3	67.6
Not in families ¹	845	--	--	--	941	--	--	--
Black								
Total unemployed	1,553	47.8	52.2	44.5	1,731	47.0	53.0	45.5
In families	1,329	39.1	60.9	52.0	1,502	38.9	61.1	52.4
Husbands	203	41.5	58.5	47.8	232	43.2	56.8	48.5
With children under 18 years of age	141	42.6	57.4	47.5	164	44.5	55.5	47.6
Wives	166	21.7	78.3	71.7	189	21.4	78.6	71.9
With children under 18 years of age	119	18.5	81.5	75.6	138	19.3	80.7	73.9
Relatives in married-couple families	276	12.0	88.0	81.5	299	11.4	88.6	80.2
Females who maintain families	198	85.9	14.1	8.1	247	87.4	12.6	7.6
With children under 18 years of age	175	89.7	10.3	5.1	215	90.6	9.4	4.9
Relatives in families maintained by females	403	39.1	60.9	47.8	452	35.2	64.8	53.0
Males who maintain families	32	(2)	(2)	(2)	30	(2)	(2)	(2)
With children under 18 years of age	12	(2)	(2)	(2)	12	(2)	(2)	(2)
Relatives in families maintained by males	51	30.8	69.2	65.4	53	24.0	76.0	66.1
Not in families ¹	224	--	--	--	229	--	--	--
Hispanic origin								
Total unemployed	575	39.3	60.7	54.6	624	41.2	58.8	51.3
In families	517	32.4	67.6	60.9	545	32.6	67.4	58.7
Husbands	143	51.0	49.0	38.6	143	51.4	48.6	37.7
With children under 18 years of age	112	53.6	46.4	37.3	114	53.2	46.8	36.0
Wives	95	16.7	83.3	77.1	99	17.1	82.9	76.9
With children under 18 years of age	71	15.3	84.7	77.8	73	15.8	84.2	79.1
Relatives in married-couple families	154	9.1	90.9	85.7	143	9.2	90.8	84.1
Females who maintain families	34	(2)	(2)	(2)	42	75.2	24.8	14.1
With children under 18 years of age	29	(2)	(2)	(2)	35	83.6	16.4	10.3
Relatives in families maintained by females	56	47.3	52.7	45.5	79	33.9	66.1	53.3
Males who maintain families	9	(2)	(2)	(2)	18	(2)	(2)	(2)
With children under 18 years of age	5	(2)	(2)	(2)	6	(2)	(2)	(2)
Relatives in families maintained by males	24	(2)	(2)	(2)	21	(2)	(2)	(2)
Not in families ¹	59	--	--	--	79	--	--	--

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	1980				1981			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Total employed	99,303	37.7	62.3	52.9	100,397	37.9	62.1	52.7
In families	84,271	26.6	73.4	62.4	84,854	26.5	73.5	62.3
Husbands	38,179	37.7	62.3	45.3	38,008	36.9	63.1	45.6
With children under 18 years of age	22,660	40.1	59.9	39.9	22,505	39.5	60.5	40.1
Wives	23,203	9.4	90.6	85.8	23,590	9.6	90.4	85.5
With children under 18 years of age	12,492	5.4	94.6	90.8	12,698	5.7	94.3	90.4
Relatives in married-couple families	11,627	5.6	94.4	90.7	11,709	5.7	94.3	90.2
Females who maintain families	4,780	65.4	34.6	23.5	4,998	66.6	33.4	22.1
With children under 18 years of age	3,209	76.9	23.1	12.3	3,357	79.0	21.0	10.7
Relatives in families maintained by females	3,606	27.3	72.7	61.7	3,607	27.5	72.5	61.4
Males who maintain families	1,680	56.4	43.6	33.3	1,696	56.8	43.2	32.1
With children under 18 years of age	681	69.6	30.4	18.0	697	71.1	28.9	15.5
Relatives in families maintained by males	1,198	15.4	84.6	77.6	1,247	17.3	82.7	75.9
Not in families ¹	15,031	--	--	--	15,543	--	--	--
White								
Total employed	87,715	37.3	62.7	53.1	88,709	37.3	62.7	53.0
In families	74,606	26.2	73.8	62.5	75,157	26.0	74.0	62.5
Husbands	34,804	38.2	61.8	44.2	34,663	37.4	62.6	44.6
With children under 18 years of age	20,405	40.9	59.1	38.2	20,251	40.2	59.8	38.4
Wives	20,725	8.9	91.1	86.3	21,135	9.2	90.8	86.1
With children under 18 years of age	10,930	4.9	95.1	91.4	11,142	5.1	94.9	91.1
Relatives in married-couple families	10,528	5.4	94.6	91.0	10,616	5.6	94.4	90.6
Females who maintain families	3,479	63.3	36.7	24.5	3,618	64.6	35.4	23.1
With children under 18 years of age	2,269	75.5	24.5	12.2	2,390	77.6	22.4	10.7
Relatives in families maintained by females	2,697	27.6	72.4	61.9	2,707	27.7	72.3	61.4
Males who maintain families	1,391	55.6	44.4	33.3	1,405	56.9	43.1	31.9
With children under 18 years of age	560	68.1	31.9	18.0	583	71.1	28.9	15.5
Relatives in families maintained by males	981	15.0	85.0	78.1	1,013	16.6	83.4	76.8
Not in families ¹	13,109	--	--	--	13,552	--	--	--
Black								
Total employed	9,313	43.2	56.8	49.4	9,355	44.3	55.7	48.2
In families	7,720	31.5	68.5	59.6	7,704	32.4	67.6	58.5
Husbands	2,597	31.8	68.2	56.3	2,540	31.9	68.1	56.4
With children under 18 years of age	1,711	31.8	68.2	56.2	1,677	32.1	67.9	56.3
Wives	1,901	14.6	85.4	80.1	1,869	15.2	84.8	78.8
With children under 18 years of age	1,187	10.3	89.7	85.1	1,175	11.2	88.8	83.2
Relatives in married-couple families	791	7.6	92.4	86.4	779	8.1	91.9	85.2
Females who maintain families	1,201	72.3	27.8	19.8	1,276	73.0	27.0	18.9
With children under 18 years of age	882	80.6	19.4	12.3	901	82.7	17.3	10.4
Relatives in families maintained by females	827	27.4	72.6	60.0	818	27.6	72.4	60.2
Males who maintain families	233	61.8	38.2	31.3	239	59.6	40.4	32.8
With children under 18 years of age	104	76.7	23.3	17.5	96	80.1	19.9	12.8
Relatives in families maintained by males	170	19.4	80.6	74.1	182	21.7	78.3	69.9
Not in families ¹	1,593	--	--	--	1,651	--	--	--
Hispanic origin								
Total employed	5,126	39.1	60.9	53.1	5,348	38.8	61.2	53.5
In families	4,432	29.6	70.4	61.4	4,644	29.5	70.5	61.6
Husbands	1,935	43.5	56.5	44.1	2,025	42.4	57.6	45.7
With children under 18 years of age	1,443	46.3	53.7	40.6	1,499	45.3	54.7	42.1
Wives	1,025	8.8	91.2	86.0	1,097	8.8	91.2	85.9
With children under 18 years of age	692	7.2	92.8	87.7	753	7.6	92.4	87.9
Relatives in married-couple families	690	6.1	93.9	88.0	700	6.9	93.1	88.0
Females who maintain families	280	71.4	28.6	21.4	302	70.1	29.9	21.7
With children under 18 years of age	207	81.2	18.8	12.1	216	80.9	19.1	11.0
Relatives in families maintained by females	196	24.5	75.5	63.8	237	28.3	71.7	60.8
Males who maintain families	149	48.0	52.0	42.6	144	49.6	50.4	39.2
With children under 18 years of age	54	67.3	32.7	27.3	54	74.3	25.7	15.5
Relatives in families maintained by males	139	7.1	92.9	87.9	139	12.3	87.7	79.5
Not in families ¹	694	--	--	--	704	--	--	--

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.

Explanatory Notes

Introduction

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

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

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

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

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

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

Employment

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

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

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

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

Hours of work

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

Earnings

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

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

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

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

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

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

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the 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 of annual business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in the BLS statistics.

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

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

Household Data (A tables)

COLLECTION AND COVERAGE

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

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

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

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

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

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

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

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

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

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

CONCEPTS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Nonveterans are males who never served in the Armed Forces.

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

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

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

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

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

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

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

HISTORIC COMPARABILITY

Raised lower age limit

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

Noncomparability of labor force levels

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

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

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

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

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

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

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

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

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

Changes in the occupational classification system

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

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

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

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

Changes in sample design

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

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

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

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

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. The CPS estimation procedure involves weighting the data from each sample person. The basic weight, which is the inverse of the probability of the person being in the sample, is a rough measure of the number of actual persons that the sample person represents. In States supplemented in the 1978 and 1980 expansions, almost all sample persons within the 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 survey estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* In the CPS, a portion of the 629 sample areas is chosen to represent other areas not in the sample; the remainder of the sample areas represent only themselves. The first-stage ratio estimation procedure was designed to reduce the portion of the variance resulting from requiring sample areas to represent nonsample areas. Therefore, this procedure is not applied to sample areas which represent only themselves. The procedure is performed at two geographic levels: First, by the four census regions (Northeast, North Central, South, and West), and second, for each of the 46 States which contains nonsample areas. The procedure corrects for the differences that existed at the time of the 1980 census between the distribution by race and residence of the population in the sample areas and the known race-residence distribution in the portions of the census region or State represented by these areas. The regional adjustment is performed by metropolitan-nonmetropolitan residence and race, while the State adjustment is done by urban-rural status and race.

b. *Second-stage ratio estimate.* In this stage, the sample proportions in the categories described below are adjusted to the distribution of independent current estimates of the civilian noninstitutional population in the same categories. The second-stage ratio estimate is performed in order to increase the reliability of the estimates and is carried out in two steps. In the first step, the sample estimates are adjusted within each State and the District of Columbia to an independent control for the population 16 years and over, for the State. The second step of the adjustment is applied to all sample persons and is a weighting to nationwide independent population estimates of the civilian noninstitutional population within 68 age-sex-race groups. The entire second-stage ratio estimation procedure is iterated six times, each time beginning at the weights developed the previous time. This iteration ensures that the sample estimates both of the State population and of the national age-sex-race categories will be virtually equal to the independent population estimates. This second stage adjustment procedure incorporates changes instituted in January 1982. The nature of these changes is discussed in detail in "Revisions in the

Table A. Characteristics of the CPS sample

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

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

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

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

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

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

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

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

Rounding of estimates

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

Reliability of the estimates

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

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

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

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

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

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

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

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

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

1. Approximately 68 percent of the intervals from one standard error below the estimate to one standard error above the estimate would include the average result of all possible samples.

2. Approximately 90 percent of the intervals from 1.6 standard errors below the estimate to 1.6 standard errors above the estimate would include the average of all possible samples.

3. Approximately 95 percent of the intervals from 2 standard errors below the estimate to 2 standard errors above the estimate would include the average result of all possible samples.

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

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

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

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

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

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

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

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

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

Table B. Standard errors for major employment status categories

(In thousands)

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

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

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

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

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

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

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

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

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

Illustration:

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

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

or about 259,000.

Table C. Standard errors for unemployment rates by major characteristics

Selected categories	Standard error of-		Selected categories	Standard error of-	
	Monthly level	Consecutive month change		Monthly level	Consecutive month change
Total (all civilian workers)	0.12	0.12	OCCUPATION		
Males, 20 years and over .....	.15	.15	Blue-collar workers—Continued		
Females, 20 years and over .....	.17	.18	Operatives, except transport	0.44	0.50
Both sexes, 16-19 years .....	.57	.67	Transport equipment operatives .....	.70	.77
White workers .....	.12	.12	Nonfarm laborers .....	.71	.81
Black (and other) workers .....	.46	.49	Service workers .....	.32	.36
Married men, spouse present .....	.15	.16	Farm workers .....	.54	.62
Married women, spouse present .....	.21	.23	INDUSTRY		
Full-time workers .....	.12	.13	Nonagricultural private wage and		
Part-time workers .....	.32	.40	salary workers .....	.13	.13
Unemployed 15 weeks and over .....	.06	.07	Construction .....	.59	.70
OCCUPATION			Manufacturing .....	.27	.30
White-collar workers .....	.12	.13	Durable goods .....	.37	.41
Professional and technical .....	.18	.20	Non-durable goods .....	.39	.45
Managers and administrators,			Transportation and public		
except farm .....	.20	.23	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 D. Standard errors for estimates of monthly level

(In thousands)

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

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

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

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

(In thousands)

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

¹ See footnote 1, table D.

² Part-time labor force for unemployment also includes persons

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

Table F. Standard errors for unemployment rates

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

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

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

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

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

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

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

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

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

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

Table K. Standard errors for estimates of quarterly level

(In thousands)

Estimated quarterly level	Characteristic								
	Total			Males				Females	
	Part-time workers	Total or full-time workers		Part-time workers	Total or full-time workers			Total, full-time, or part-time workers	
		Total or white	Black		Total	White	Black	Total or white	Black
10	5	5	5	5	5	5	5	5	5
50	11	12	12	11	12	12	12	11	11
75	13	15	15	13	15	15	15	13	13
100	15	17	17	15	17	17	17	15	15
150	19	21	21	19	21	21	21	19	19
200	22	24	24	22	24	24	24	22	21
250	24	27	27	24	27	27	27	24	24
300	26	30	30	26	30	30	29	26	26
500	34	38	38	34	38	38	37	34	33
750	42	47	46	42	47	47	45	42	41
1,000	48	54	53	48	54	54	50	48	48
1,500	59	66	63	59	66	66	59	59	56
2,000	68	76	72	68	76	76	65	68	63
2,500	78	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	136	-	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	228	244	-	207	209	199	-	211	-
30,000	224	261	-	219	212	198	-	224	-
40,000	273	286	-	236	201	174	-	242	-
50,000	296	301	-	-	-	-	-	-	-
75,000	331	304	-	-	-	-	-	-	-
100,000	343	255	-	-	-	-	-	-	-

Establishment Data (B, C, and D tables)

COLLECTION

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

Federal-State cooperation

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

Shuttle schedules

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

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

CONCEPTS

Industrial classification

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

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

Industry employment

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

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

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

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

Industry hours and earnings

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

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

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

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

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

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

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

the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

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

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

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

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

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

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

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

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

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

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

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

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. 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 calculated from the earnings averages for the current month using a deflator derived from the Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W).

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

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

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

Labor turnover

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

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

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

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

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

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

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

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

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

Relationship of labor turnover to employment series

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

ESTIMATING METHODS

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

The "link relative" technique

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

Size and regional stratification

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

Benchmark adjustments

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

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

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

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

THE SAMPLE

Design

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

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

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All-employee estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	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
Gross average hourly earnings	Annual total of aggregate payrolls (product of production- or nonsupervisory-worker employment by weekly hours and hourly earnings) divided by annual aggregate hours.	Annual total by aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Annual average aggregate (of each labor turnover action) divided by annual average employment.	Annual average aggregate (of each labor turnover action) divided by annual average employment.

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

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

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

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

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

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

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

Coverage

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

Reliability of the employment estimates

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

Table N. Approximate size and coverage of BLS employment and payrolls sample, March 1980¹

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

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 4,500 reports covering about 55 percent of employment in Federal establishments.

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

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

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

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

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

(In percent)

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

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

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.

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

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

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

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

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

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

Size of employment estimate	Root-mean-square error of employment estimates 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 R presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than 0.1 of an hour for weekly hours and 1 cent for hourly earnings.

STATISTICS FOR STATES AND AREAS

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

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

PRODUCTIVITY DATA

Tables C-9, C-10, and C-11 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensa-

Table R. Errors of preliminary employment estimates

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

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

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

Definitions

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

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

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

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

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

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

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

Notes on the data

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

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

State and Area Unemployment Data (E table)

FEDERAL-STATE COOPERATIVE PROGRAM

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

ESTIMATING METHODS

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

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

1. *Preliminary estimate—employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of 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 insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc.), but would otherwise have been eligible), and persons who either filed claims late or not at all.

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

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

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

U = total entrant unemployment

E = total employment

X = total experienced unemployment

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

3. *Correction factors for employment and unemployment* are then applied at the State level to the UI-based estimates obtained above for

each of the 40 States and the District of Columbia. These correction factors are based on the ratio of the CPS to the UI-based estimates for the 6 month period ending in the current month (e.g. a 6-month moving average).

4. *Substate adjustment for additivity.* Independent estimates of employment and unemployment are prepared both for the State (obtained directly from the CPS in the 10 large States or by the UI-based method in the remaining States), and labor market areas (LMA's) within the State. The total of the geographic areas in the LMA's exhausts the geographic boundaries of the State. A proportional adjustment is applied to all substate LMA estimates to ensure that the substate estimates of employment and unemployment add to the independent State totals. In California and New York, which also have substate areas taken directly from the CPS, the additivity adjustment for the remaining areas is applied to the State total minus the direct CPS area.

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

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

Seasonal Adjustment

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

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

Beginning in January 1980, the BLS introduced two major modifications in the seasonal adjustment methodology for data from the household survey. First, the data are being seasonally adjusted with a new procedure called X-11 ARIMA, which was developed at Statistics Canada as an extension of the existing standard X-11 method. A detailed description of the procedure appears in *The X-11 ARIMA Seasonal Adjustment Method*, by Estela Bee Dagum, Statistics Canada Catalogue No. 12-564E, 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. However, as a

result of the revisions to the estimates for 1970-81 based on 1980 census population counts, revisions to seasonally adjusted series in early 1982 were carried back to 1970.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates, the appropriate series are aggregated. The 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 1981, new seasonal adjustment factors to be used to calculate the overall unemployment rate for the first 6 months of 1982, and a description of the current seasonal adjustment methodology are published in the February 1982 issue of *Employment and Earnings*. Revised seasonally adjusted data covering the 1970-81 revision period for a broader range of labor force series also appear in the February 1982 issue of this publication. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

Beginning in July 1980, the BLS also uses the X-11 ARIMA methodology in seasonally adjusting the establishment data, which previously had been computed using the *BLS Seasonal Factor Method*. All series are seasonally adjusted using the multiplicative models under X-11 ARIMA. Seasonal adjustment factors used in calculating the current estimates are based on data through March of 1981. The ARIMA model options for projecting the data series for 1 year ahead have been used in seasonally adjusting the establishment series, introduced with June 1981 data.

Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing average weekly earnings, seasonally adjusted, by the seasonally adjusted Consumer Price Index for Urban Wage Earners and Clerical Workers

(CPI-W), and multiplying by 100. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1977 base. For total private, total goods-producing, total private service-producing, trade, manufacturing, and durable and nondurable goods industries, the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1977 base.

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

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of

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

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the *X-11 ARIMA Method* using the trading day option except for recalls. As a result, these series are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through March 1981. Seasonal factors to be used for current adjustment appear in the July 1981 issue of *Employment and Earnings*.

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