

# News

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Bureau of Labor Statistics

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THE EMPLOYMENT SITUATION: DECEMBER 1979

Employment rose in December and unemployment was virtually unchanged, the Bureau of Labor Statistics of the U. S. Department of Labor reported today. The Nation's unemployment rate was 5.9 percent, little different from the November rate of 5.8 percent and similar to those which have prevailed since August 1978.

Total employment--as measured by the monthly survey of households--rose by 300,000 to 97.9 million. Over the past year, total employment has increased by 2.1 million.

Nonfarm payroll employment--as measured by the monthly survey of establishments--advanced 315,000 over the month to 90.4 million. Payroll jobs increased by 2.3 million since December 1978.

## Unemployment

The December unemployment rate, 5.9 percent, and the number of unemployed persons, 6.1 million, were about the same as in the previous month. Since August 1978, the jobless rate has fluctuated within the narrow band of 5.7 to 5.9 percent (as revised, based on updated seasonal adjustment factors).

The December unemployment rates for adult men (4.2 percent), adult women (5.7 percent), and teenagers (16.0 percent) were virtually the same as in November. Jobless rates for whites (5.1 percent) and blacks (11.3 percent) and most other worker groups were also at or near the levels which have prevailed over the past several months. (See tables A-1 and A-2.)

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\* This release incorporates revisions in seasonally adjusted unemployment and other \*  
\* labor force series derived from the household survey. The revisions altered the overall \*  
\* rate in only 3 months of 1979. The 1979 overall rates as originally published and as \*  
\* revised, plus additional information on the revisions, appear on page 6. \*  
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Although unemployment has remained steady in recent months, the number of nonagricultural workers on part-time schedules for economic reasons--a group analysts sometimes refer to as the partially unemployed--has increased from 3.2 million in September to 3.5 million in December. (See table A-3.)

## Total Employment and the Labor Force

Total employment advanced by 300,000 in December to 97.9 million, returning the employment-population ratio to its high of 59.4 percent first reached in July. Over the past year, total employment has increased by 2.1 million, with increases for both whites and blacks

Table A. Major indicators of labor market activity, seasonally adjusted

Selected categories	Quarterly averages			Monthly data			Nov.- Dec. change
	1978		1979	1979			
	IV	III	IV	Oct.	Nov.	Dec.	
HOUSEHOLD DATA							
	Thousands of persons						
Civilian labor force.....	101,538	103,238	103,749	103,595	103,652	103,999	347
Total employment.....	95,653	97,231	97,665	97,474	97,608	97,912	3
Unemployment.....	5,885	6,008	6,084	6,121	6,044	6,087	43
Not in labor force.....	58,384	58,568	58,842	58,780	58,937	58,810	-127
Discouraged workers.....	772	731	741	N.A.	N.A.	N.A.	N.A.
Percent of labor force							
Unemployment rates:							
All workers.....	5.8	5.8	5.9	5.9	5.8	5.9	0.1
Adult men.....	4.0	4.2	4.2	4.2	4.3	4.2	-.1
Adult women.....	5.7	5.6	5.7	5.7	5.6	5.7	.1
Teenagers.....	16.2	16.2	16.1	16.4	15.9	16.0	.1
White.....	5.0	5.1	5.1	5.1	5.1	5.1	0
Black and other.....	11.5	10.9	11.2	11.5	10.9	11.3	.4
Full-time workers.....	5.2	5.3	5.4	5.4	5.4	5.4	0
ESTABLISHMENT DATA							
	Thousands of jobs						
Nonfarm payroll employment.....	87,799	89,759	90,172p	89,982	90,109p	90,426p	317p
Goods-producing industries.....	26,111	26,638	26,609p	26,572	26,542p	26,712p	170p
Service-producing industries.....	61,688	63,121	63,564p	63,410	63,567p	63,714p	147p
Hours of work							
Average weekly hours:							
Total private nonfarm.....	35.8	35.6	35.7p	35.6	35.7p	35.7p	0p
Manufacturing.....	40.6	40.2	40.2p	40.2	40.1p	40.3p	0.2p
Manufacturing overtime.....	3.7	3.2	3.2p	3.2	3.2p	3.3p	-.1p
p=preliminary N.A.=not available							

about proportionate to their share of the population. (See table A-1.)

The civilian labor force totaled 104.0 million in December, up 350,000 from November and nearly 2.3 million from December a year ago. Women accounted for the bulk of these increases. The overall civilian labor force participation rate was 63.9 percent in December, equaling its previous high recorded in September.

#### Discouraged Workers

Discouraged workers are those who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test--that is, they are not engaged in active job search--they are classified as not in the labor force rather than unemployed. These data are published on a quarterly basis.

The number of discouraged workers, at 740,000, was little changed both from the previous quarter and over the past year. Just over three-fifths of this number cited job-market factors as the reason for their discouragement. (See table A-10.)

#### Industry Payroll Employment

Nonfarm payroll employment rose by 315,000 in December to 90.4 million. Over the past year, payroll employment grew 2.3 million. In contrast to recent months in which job growth had been concentrated in the service-producing industries, the December employment growth was marked by gains in both the goods- and the service-producing sectors. (See table B-1.)

Employment increased by 170,000 in the goods-producing sector, reversing the downward trend of the past 4 months and returning employment to near its July level. Manufacturing employment rose by 110,000, with durable and nondurable goods industries contributing 65,000 and 45,000 additional jobs, respectively. Electrical and transportation equipment accounted for most of the growth in durable goods, each rising by 25,000. Gains in nondurable goods industries were somewhat more widespread. Elsewhere in the goods sector, employment in construction and mining rose by 45,000 and 15,000, respectively.

Jobs in the service-producing sector grew by 145,000, continuing the pattern of long-term growth. The largest gain took place in the services industry (70,000), while increases also occurred in government (50,000) and finance (30,000). Employment in trade and transportation and public utilities remained at essentially the November levels.

#### Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.7 in December, unchanged from November. Manufacturing hours advanced by 0.2 to 40.3 hours but remained 0.3 hour below the first quarter level. Factory overtime edged up 0.1 to 3.3 hours, after holding at 3.2 hours in the August-November period. (See table B-2.)

The index of aggregate weekly hours rose 0.5 percent in December to 126.9 (1967=100), entirely the result of the rise in employment. The index was up 2.2 percent over the year. (See table B-5.)

#### Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.9 percent in December and were 7.9 percent above the December 1978 level (seasonally adjusted). Average weekly earnings also rose 0.9 percent in December and were up 7.6 percent over the year.

Before adjustment for seasonality, average hourly earnings rose 4 cents in December to \$6.38, 47 cents above December 1978; average weekly earnings were \$229.04, up \$3.34 from November and \$15.69 over the year. (See table B-3.)

#### The Hourly Earnings Index

The Hourly Earnings Index--earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries--was 239.1 (1967=100) in December, 0.8 percent higher than in November. The index was 8.2 percent above December a year ago. In dollars of constant purchasing power, the index decreased 4.1 percent during the 12-month period ended in November. (See table B-4.)

#### Over-the-Year Developments

The Nation's job situation in 1979 was characterized by a slowdown in the rate of employment and labor force expansion compared with recent years. Growth in these two labor market measures, while still high by historical standards at over 2 million persons each, was nevertheless well below the pace of the previous 3 years. The unemployment rate showed little movement between late 1978 and late 1979.

There were no dramatic over-the-year changes in the overall unemployment picture. However, the unemployment rate for adult men, which is typically more sensitive to cyclical movements, registered a small rise. The unemployment rate in manufacturing was up almost a point. In addition, the number of unemployed persons on layoff at year-end was nearly a quarter of a million above the level of a year earlier, and the number of persons working part time for economic reasons increased by about 400,000.

While adult women have comprised a large proportion of the labor force growth in the past few years, this pattern was even more dramatic in 1979, when they accounted for two-thirds of the expansion in both labor force and employment.

Nonfarm payroll employment also increased by more than 2 million in 1979. The service-producing sector accounted for more than three-quarters of the overall gain. Manufacturing employment showed little over-the-year growth, while employment increases were strong in construction and mining as well as in several of the service-producing industries.

# NOTE ON SEASONAL ADJUSTMENT

At the end of each calendar year, the Bureau of Labor Statistics revises the seasonally adjusted labor force series derived from the Current Population Survey (household survey) to incorporate the experience of the past year. As a result of the recalculation of the seasonal factors, seasonally adjusted data for the past 5 years are subject to revision.

This year the BLS is introducing two major modifications in seasonal adjustment methodology. First, the labor force data are being seasonally adjusted with a new procedure called X-11/ARIMA, developed at Statistics Canada as an extension of the standard X-11 method. The X-11 procedure was originally developed at the Bureau of the Census and has been used to seasonally adjust labor force series at the BLS for the past several years. Tests have shown that use of X-11/ARIMA, which essentially places more emphasis on recent data, provides better seasonal adjustment results than does use of the standard X-11. Secondly, seasonal factors will now be calculated for use during the first 6 months of the year rather than for the entire year. Then, in July of each year, the Bureau will calculate and publish a new set of seasonal factors for use in the second half, based on the experience through June. These two changes are expected to result in fewer and/or smaller revisions of seasonally adjusted data. Revisions of the historical data will continue to be made once a year, at the end of each calendar year.

The table below contains the seasonally adjusted overall unemployment rates for the past 12 months as originally published and as revised. Previously published data were unchanged in 9 months of the year and altered by only 0.1 percentage point in the other 3 months. These revisions did not affect the 1979 annual average rate of 5.8 percent, which was calculated using unadjusted data.

New seasonal adjustment factors to be used to calculate the overall unemployment rate during January-June 1980, a description of the current seasonal adjustment methodology, and revised data for the most recent 13 months or calendar quarters (tables A- 1, 2, 33-42 and 44-53) will appear in the January 1980 issue of Employment and Earnings. Revised data for the entire 1975-79 revision period for nearly 500 labor force series will be published, as is the usual practice, in the February 1980 issue. Historical data (monthly and quarterly) from the time of the inception of the various series may be obtained from the Bureau upon request. (Contact John Stinson, 202-523-1944.)

Revised seasonally adjusted unemployment rates in 1979

Month	As previously published	As revised
January	5.8	5.8
February	5.7	5.7
March	5.7	5.7
April	5.8	5.8
May	5.8	5.8
June	5.6	5.7
July	5.7	5.7
August	6.0	5.9
September	5.8	5.8
October	6.0	5.9
November	5.8	5.8
December	5.9*	5.9

\* Not published

Chart 1. Civilian labor force and employment  
(Seasonally adjusted)

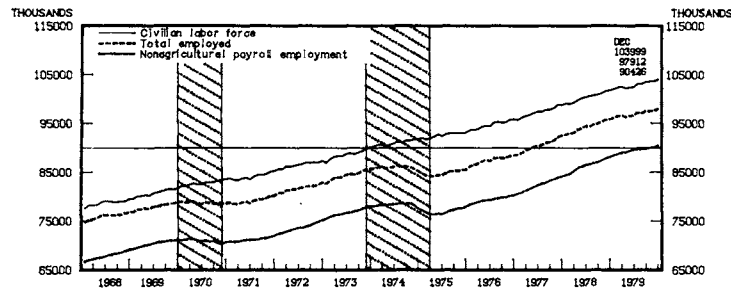


Chart 2. Unemployment rate—all civilian workers

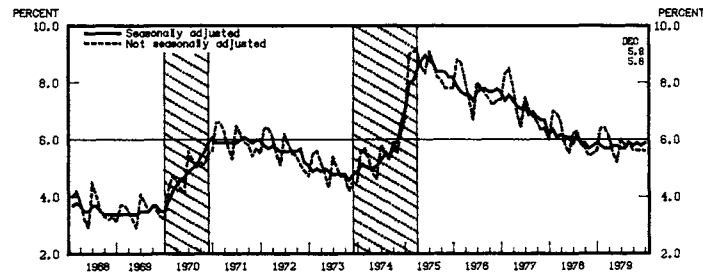
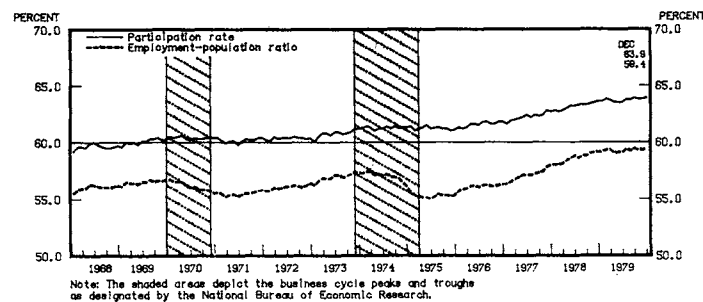


Chart 3. Civilian labor force participation rate  
and total employment-population ratio  
(Seasonally adjusted)



## Explanatory Note

This release presents and analyzes statistics from two major surveys. Data on labor force, total employment, and unemployment (A tables) are derived from the Current Population Survey—a sample survey of households which is conducted by the Bureau of the Census for the Bureau of Labor Statistics. 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 47,000 national household sample in January 1978; thus the sample now consists of about 56,000 households selected to represent the U.S. civilian noninstitutional population 16 years and over.

Statistics on nonagricultural payroll employment, hours, and earnings (B tables) are collected by the Bureau of Labor Statistics, in cooperation with State agencies, from payroll records of a sample of approximately 162,000 establishments. Unless otherwise indicated, data for both statistical series relate to the week containing the 12th day of the specified month.

### Comparability of household and payroll employment statistics

Employment data from the household and payroll surveys differ in several basic respects. The household survey provides information on the labor force activity of the entire civilian noninstitutional population, 16 years of age and over, without duplication. Each person is classified as either employed, unemployed, or not in the labor force. The household survey counts employed persons in both agriculture and nonagricultural industries and, in addition to wage and salary workers (including private household workers), counts the self-employed, unpaid family workers, and persons "with a job but not at work" and not paid for the period absent.

The payroll survey relates only to paid wage and salary employees (regardless of age) on the payrolls of nonagricultural establishments. Persons who worked at more than one job during the survey week or otherwise appear on more than one payroll are counted more than once in the establishment survey. Such persons are counted only once in the household survey and are classified in the job at which they worked the greatest number of hours.

### Unemployment

To be classified in the household survey as unemployed an individual must: (1) Have been without a

job during the survey week; (2) have made specific efforts to find employment sometime during the prior 4 weeks; and (3) be presently available for work. In addition, persons on layoff and those waiting to begin a new job (within 30 days), neither of whom must meet the jobseeking requirements, are also classified as unemployed. The unemployed total includes all persons who satisfactorily meet the above criteria, regardless of their eligibility for unemployment insurance benefits or any kind of public assistance. The unemployment rate represents the unemployed as a proportion of the civilian labor force (the employed and unemployed combined).

The Bureau regularly publishes a wide variety of labor market measures. See, for example, the demographic, occupational, and industry detail in tables A-2 and A-3 of this release and the comprehensive data package in *Employment and Earnings* each month. A special grouping of seven unemployment measures is set forth in table A-7. Identified by the symbols U-1 through U-7, these measures represent a range of possible definitions of unemployment and of the labor force—from the most restrictive (U-1) to the most comprehensive (U-7). The official rate of unemployment appears as U-5.

### Seasonal adjustment

Nearly all economic phenomena are affected to some degree by seasonal variations. These are recurring, predictable events which are repeated more or less regularly each year—changes in weather, opening and closing of schools, major holidays, industry production schedules, etc. The cumulative effects of these events are often large. For example, on average over the year, they explain about 95 percent of the month-to-month variance in the unemployment figures. Since seasonal variations tend to be large relative to the underlying cyclical trends, it is necessary to use seasonally-adjusted data to interpret short-term economic developments. Seasonal adjustment factors for unemployment and other labor force series are calculated at the beginning of each year for the January-June period and at mid-year for the July-December period.

All seasonally-adjusted civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unem-

ployment (the sum of four seasonally-adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally-adjusted age-sex components).

For establishment data, the seasonally-adjusted series for all employees, production workers, average weekly hours, and average hourly earnings are adjusted by aggregating the seasonally-adjusted data from the respective component series. These data are also revised annually, often in conjunction with benchmark (comprehensive counts of employment) adjustments. (The most recent revision of seasonally-adjusted data was based on data through June 1979.)

#### Sampling variability

Both the household and establishment survey statistics are subject to sampling error, which should be taken into account in evaluating the levels of a series as well as changes over time. Because the household survey is based upon a probability sample, the results may differ from the figures that would be obtained if it were possible to take a complete census using the same questionnaires and procedures. The standard error is the measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The chances are about 68 out of 100 that an estimate from the survey differs from a figure that would be obtained through a complete census by less than the standard error. Tables A through I in the "Explanatory Notes" of Employment and Earnings provide approximations of the standard errors for unemployment and other labor force categories. To obtain a 90-percent level of confidence, the confidence interval generally used by BLS, the errors should be multiplied by 1.6. The following examples provide an indication of the magnitude of sampling error: For a monthly change in total em-

ployment, the standard error is on the order of plus or minus 182,000. Similarly, the standard error on a change in total unemployment is approximately 115,000. The standard error on a change in the national unemployment rate is 0.12 percentage point.

Although the relatively large size of the monthly establishment survey assures a high degree of accuracy, the estimates derived from it also may differ from the figures obtained if a complete census using the same schedules and procedures were possible. However, since the estimating procedures utilize the previous month's level as the base in computing the current month's level of employment (link-relative technique), sampling and response errors may accumulate over several months. To remove this accumulated error, the employment estimates are adjusted to new benchmarks (comprehensive counts of employment), usually on an annual basis. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments. Employment estimates are currently projected from March 1978 levels.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The RMSE is the standard deviation adjusted for the bias in estimates. If the bias is small, the chances are about 68 out of 100 that an estimate from the sample would differ from its benchmark by less than the RMSE. For total nonagricultural employment, the RMSE is on the order of plus or minus 83,000. Measures of reliability (approximations of the RMSE) for establishment-survey data and actual amounts of revision due to benchmark adjustments are provided in tables K through P in the "Explanatory Notes" of Employment and Earnings.

NOTE: Household data for December 1979 relate to the week of December 2-8 (week of the 5th) rather than the usual week containing the 12th day.

## HOUSEHOLD DATA

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Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Dec.	Nov.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1979	1978	1979	1979	1979	1979	1979
<b>TOTAL</b>									
Total noninstitutional population <sup>1</sup>	162,250	164,682	164,898	162,250	163,891	164,106	164,468	164,682	164,899
Armed Forces <sup>1</sup>	2,108	2,092	2,089	2,108	2,090	2,092	2,093	2,092	2,089
Civilian noninstitutional population <sup>1</sup>	160,142	162,589	162,809	160,142	161,801	162,013	162,375	162,589	162,809
Civilian labor force	101,632	103,719	103,884	101,815	103,128	103,494	103,595	103,652	103,999
Participation rate	63.5	63.8	63.8	63.6	63.7	63.9	63.8	63.8	63.9
Employed	95,906	97,943	98,047	95,831	97,004	97,504	97,474	97,608	97,912
Employment-population ratio <sup>2</sup>	59.1	59.5	59.5	59.1	59.2	59.4	59.3	59.3	59.4
Agriculture	2,990	3,257	2,995	3,375	3,315	3,364	3,294	3,385	3,359
Nonagricultural industries	92,916	94,686	95,052	92,456	93,689	94,140	94,180	94,223	94,553
Unemployed	5,725	5,776	5,836	5,984	6,124	5,990	6,121	6,044	6,087
Unemployment rate	5.6	5.6	5.6	5.9	5.9	5.8	5.9	5.8	5.9
Not in labor force	58,510	58,870	58,925	58,327	58,673	58,519	58,780	58,937	58,810
<b>Men, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	69,288	70,487	70,594	69,288	70,099	70,205	70,380	70,487	70,594
Civilian noninstitutional population <sup>1</sup>	67,600	68,804	68,940	67,600	68,417	68,522	68,697	68,804	68,940
Civilian labor force	53,935	54,662	54,666	54,059	54,597	54,735	54,760	54,709	54,781
Participation rate	79.8	79.4	79.3	80.0	79.8	79.9	79.7	79.5	79.5
Employed	51,713	52,485	52,335	51,861	52,311	52,453	52,443	52,374	52,478
Employment-population ratio <sup>2</sup>	74.6	74.5	74.1	74.8	74.6	74.7	74.5	74.3	74.3
Agriculture	2,250	2,403	2,292	2,387	2,375	2,377	2,371	2,438	2,427
Nonagricultural industries	49,463	50,082	50,043	49,474	49,936	50,076	50,072	49,936	50,051
Unemployed	2,221	2,177	2,331	2,198	2,286	2,282	2,317	2,335	2,303
Unemployment rate	4.1	4.0	4.3	4.1	4.2	4.2	4.2	4.3	4.2
Not in labor force	13,665	14,142	14,274	13,541	13,820	13,787	13,937	14,095	14,159
<b>Women, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	76,227	77,547	77,666	76,227	77,127	77,245	77,429	77,547	77,666
Civilian noninstitutional population <sup>1</sup>	76,119	77,426	77,542	76,119	77,006	77,124	77,308	77,426	77,542
Civilian labor force	38,514	39,963	40,057	38,156	39,304	39,239	39,362	39,445	39,659
Participation rate	50.6	51.6	51.7	50.1	51.0	50.9	50.9	50.9	51.1
Employed	36,457	37,799	37,954	35,944	37,000	37,075	37,112	37,248	37,472
Employment-population ratio <sup>2</sup>	47.8	48.7	48.9	47.2	48.0	48.0	47.9	48.0	48.2
Agriculture	479	591	466	598	600	628	572	612	582
Nonagricultural industries	35,978	37,207	37,487	35,346	36,400	36,447	36,540	36,636	36,820
Unemployed	2,057	2,164	2,104	2,212	2,304	2,164	2,250	2,197	2,257
Unemployment rate	5.3	5.4	5.3	5.8	5.9	5.5	5.7	5.6	5.7
Not in labor force	37,605	37,463	37,485	37,963	37,792	37,885	37,946	37,981	37,883
<b>Both sexes, 16-19 years</b>									
Total noninstitutional population <sup>1</sup>	16,734	16,648	16,638	16,734	16,665	16,655	16,659	16,648	16,638
Civilian noninstitutional population <sup>1</sup>	16,422	16,360	16,326	16,422	16,377	16,367	16,370	16,360	16,326
Civilian labor force	9,183	9,095	9,160	9,600	9,227	9,520	9,473	9,498	9,559
Participation rate	55.9	55.6	56.1	56.5	56.3	58.2	57.9	58.1	58.6
Employed	7,736	7,660	7,759	8,026	7,693	7,976	7,919	7,986	8,032
Employment-population ratio <sup>2</sup>	46.2	46.0	46.6	48.0	46.2	47.9	47.5	48.0	48.3
Agriculture	262	262	237	390	340	359	351	335	350
Nonagricultural industries	7,475	7,397	7,522	7,636	7,353	7,617	7,568	7,651	7,682
Unemployed	1,447	1,435	1,401	1,574	1,534	1,544	1,554	1,512	1,527
Unemployment rate	15.8	15.8	15.3	16.4	16.6	16.2	16.4	15.9	16.0
Not in labor force	7,239	7,265	7,166	6,822	7,150	6,847	6,897	6,862	6,767
<b>White</b>									
Total noninstitutional population <sup>1</sup>	142,198	144,101	144,267	142,198	143,461	143,621	143,937	144,101	144,267
Civilian noninstitutional population <sup>1</sup>	140,507	142,461	142,645	140,507	141,822	141,981	142,296	142,461	142,645
Civilian labor force	89,556	91,351	91,509	89,668	90,759	91,082	91,147	91,242	91,579
Participation rate	63.7	64.1	64.2	63.8	64.0	64.2	64.1	64.0	64.2
Employed	85,133	86,862	86,993	85,069	85,976	86,425	86,454	86,571	86,894
Employment-population ratio <sup>2</sup>	59.9	60.3	60.3	59.8	59.9	60.2	60.1	60.1	60.2
Unemployed	4,422	4,490	4,516	4,599	4,783	4,657	4,693	4,671	4,685
Unemployment rate	4.9	4.9	4.9	5.1	5.3	5.1	5.1	5.1	5.1
Not in labor force	50,951	51,110	51,136	50,839	51,063	50,899	51,149	51,219	51,066
<b>Black and other</b>									
Total noninstitutional population <sup>1</sup>	20,051	20,580	20,631	20,051	20,431	20,484	20,531	20,580	20,631
Civilian noninstitutional population <sup>1</sup>	19,635	20,128	20,163	19,635	19,979	20,032	20,079	20,128	20,163
Civilian labor force	12,076	12,368	12,374	12,141	12,343	12,404	12,512	12,391	12,432
Participation rate	61.5	61.4	61.4	61.8	61.8	61.9	62.3	61.6	61.7
Employed	10,773	11,081	11,054	10,752	10,982	11,063	11,076	11,044	11,024
Employment-population ratio <sup>2</sup>	53.7	53.8	53.6	53.6	53.8	54.0	53.9	53.7	53.4
Unemployed	1,303	1,287	1,321	1,389	1,361	1,341	1,436	1,347	1,408
Unemployment rate	10.8	10.4	10.7	11.4	11.0	10.8	11.5	10.9	11.3
Not in labor force	7,559	7,760	7,789	7,494	7,636	7,628	7,567	7,737	7,731

<sup>1</sup> The population and Armed Forces figures are not adjusted for seasonal variations; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns.

<sup>2</sup> Civilian employment as a percent of the total noninstitutional population (including Armed Forces).

NOTE: Seasonally adjusted data in this table have been revised. See note on page 6.

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Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	Dec.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1978	1979	1979	1979	1979	1979
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	6,984	6,087	5.9	5.9	5.8	5.9	5.8	5.9
Men, 20 years and over .....	2,198	2,303	4.1	4.2	4.2	4.2	4.3	4.2
Women, 20 years and over .....	2,212	2,157	5.8	5.9	5.5	5.7	5.6	5.7
Both sexes, 16-19 years .....	1,574	1,527	16.4	16.6	16.2	16.4	15.9	16.0
White, total .....	4,595	4,695	5.1	5.3	5.1	5.1	5.1	5.1
Men, 20 years and over .....	1,706	1,786	3.5	3.7	3.7	3.7	3.7	3.7
Women, 20 years and over .....	1,634	1,713	5.1	5.2	4.8	5.0	4.9	5.0
Both sexes, 16-19 years .....	1,209	1,186	14.2	14.8	14.3	14.1	13.9	13.9
Black and other, total .....	1,389	1,408	11.4	11.0	10.3	11.5	10.9	11.3
Men, 20 years and over .....	435	515	8.3	9.1	8.0	9.6	8.4	8.6
Women, 20 years and over .....	532	546	10.2	10.3	9.8	10.2	9.5	10.0
Both sexes, 16-19 years .....	359	347	34.6	32.6	32.3	35.1	32.8	34.3
Married men, spouse present .....	1,033	1,135	2.6	2.9	2.9	2.9	2.9	2.8
Married women, spouse present .....	1,288	1,218	5.5	5.3	4.8	5.2	4.8	5.0
Women who head families .....	384	431	7.9	7.9	7.7	8.4	8.4	8.4
Full-time workers .....	4,609	4,791	5.3	5.4	5.3	5.4	5.4	5.4
Part-time workers .....	1,376	1,109	9.1	8.8	8.4	8.9	8.3	8.5
Unemployed 15 weeks and over <sup>1</sup> .....	1,217	1,230	1.2	1.1	1.1	1.2	1.1	1.2
Labor force time lost <sup>2</sup> .....	--	--	6.3	6.4	6.2	6.4	6.4	6.4
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers .....	1,715	1,685	3.5	3.5	3.3	3.4	3.2	3.3
Professional and technical .....	449	352	3.0	2.5	2.4	2.7	2.4	2.3
Managers and administrators, except farm .....	204	216	1.9	2.3	2.2	2.2	1.9	2.0
Sales workers .....	235	253	3.7	4.0	3.9	3.8	3.7	3.8
Clerical workers .....	337	364	4.7	4.9	4.5	4.7	4.4	4.6
Blue-collar workers .....	2,295	2,322	6.7	7.3	7.1	7.2	7.5	7.2
Craft and kindred workers .....	517	596	4.6	4.7	4.3	4.6	4.9	4.4
Operatives, except transport .....	516	1,096	7.8	3.9	9.0	9.1	9.0	9.0
Transport equipment operatives .....	203	192	5.3	6.2	6.1	5.6	5.2	5.0
Nonfarm laborers .....	559	638	10.4	11.3	11.0	10.7	12.2	12.2
Service workers .....	1,075	918	7.7	7.1	6.7	6.8	6.6	6.6
Farm workers .....	97	121	3.3	3.9	4.1	4.3	4.5	4.3
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup> .....	4,347	4,435	5.8	6.0	5.8	5.9	5.8	5.8
Construction .....	571	545	11.4	10.1	9.6	9.9	10.2	10.3
Manufacturing .....	1,165	1,358	5.1	5.9	6.0	6.0	5.9	5.9
Durable goods .....	593	774	4.4	5.4	5.3	5.5	5.6	5.5
Nondurable goods .....	362	584	6.1	6.8	7.1	6.8	6.3	6.4
Transportation and public utilities .....	176	228	3.3	3.7	4.0	3.8	4.2	4.1
Wholesale and retail trade .....	1,262	1,209	6.9	6.5	6.4	6.4	6.5	6.4
Finance and service industries .....	1,129	1,060	5.1	5.2	4.7	4.9	4.6	4.7
Government workers .....	177	11	3.9	1.7	1.3	4.0	3.6	3.6
Agricultural wage and salary workers .....	105	110	8.0	9.9	10.0	9.9	10.1	9.4

<sup>1</sup> Unemployment rate calculated as a percent of civilian labor force.<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.<sup>3</sup> Unemployment by occupation includes all experienced unemployed persons, whereas that by

by industry covers only unemployed wage and salary workers.

<sup>4</sup> Includes mining, not shown separately.

NOTE: Data in this table have been revised. See note on page 6.

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Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	Dec.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1978	1979	1979	1979	1979	1979
<b>CHARACTERISTICS</b>								
Total employed, 16 years and over .....	95,306	98,047	95,831	97,004	97,504	97,474	97,608	97,912
Men .....	55,668	56,325	56,087	56,408	56,714	56,629	56,580	56,734
Women .....	40,239	41,722	39,744	40,596	40,790	40,845	41,028	41,178
Married men, spouse present .....	39,024	38,923	39,030	39,180	39,198	39,124	38,845	38,924
Married women, spouse present .....	22,784	23,547	22,284	22,869	22,937	22,919	22,940	23,027
<b>OCCUPATION</b>								
White-collar workers .....	48,852	50,683	48,108	49,663	49,816	49,738	49,912	49,911
Professional and technical .....	14,870	15,505	14,645	15,068	15,141	15,057	15,131	15,272
Managers and administrators, except farm .....	10,289	10,523	10,284	10,698	10,659	10,639	10,617	10,535
Sales workers .....	6,317	6,653	6,058	6,145	6,181	6,261	6,362	6,346
Clerical workers .....	17,350	17,997	17,121	17,752	17,835	17,781	17,802	17,758
Blue-collar workers .....	31,654	32,012	31,966	31,849	32,209	32,205	32,110	32,302
Craft and kindred workers .....	12,597	12,973	12,666	12,761	12,993	13,001	12,925	13,041
Operatives, except transport .....	10,863	11,035	10,868	10,909	10,964	10,967	10,963	11,042
Transport equipment operatives .....	3,617	3,644	3,613	3,604	3,617	3,593	3,628	3,635
Nonfarm laborers .....	4,577	4,360	4,813	4,575	4,635	4,644	4,594	4,584
Service workers .....	12,942	12,980	12,942	12,621	12,859	12,937	12,899	12,970
Farm workers .....	2,459	2,372	2,802	2,707	2,722	2,695	2,718	2,694
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,226	1,237	1,447	1,384	1,399	1,381	1,475	1,451
Self-employed workers .....	1,534	1,526	1,608	1,614	1,642	1,602	1,622	1,596
Unpaid family workers .....	231	231	312	310	325	313	310	310
Nonagricultural industries:								
Wage and salary workers .....	85,984	87,942	85,461	86,421	86,912	86,982	87,020	87,384
Government .....	15,572	15,655	15,326	15,279	15,407	15,423	15,358	15,397
Private industries .....	70,411	72,286	70,135	71,142	71,505	71,559	71,662	71,987
Private households .....	1,338	1,264	1,302	1,211	1,313	1,261	1,211	1,228
Other industries .....	69,073	71,022	68,833	69,931	70,192	70,298	70,451	70,759
Self-employed workers .....	6,506	6,740	6,506	6,689	6,731	6,812	6,781	6,737
Unpaid family workers .....	427	370	469	450	449	430	417	409
<b>PERSONS AT WORK<sup>1</sup></b>								
Nonagricultural industries .....	89,715	91,913	87,050	88,855	88,723	88,638	88,617	89,180
Full-time schedules .....	73,513	74,773	71,903	73,053	73,159	73,204	72,997	73,137
Part time for economic reasons .....	2,868	3,279	3,082	3,298	3,167	3,315	3,392	3,519
Usually work full time .....	1,173	1,456	1,202	1,401	1,273	1,354	1,413	1,491
Usually work part time .....	1,695	1,823	1,880	1,897	1,894	1,961	1,979	2,028
Part time for noneconomic reasons .....	13,314	13,861	12,065	12,504	12,397	12,119	12,228	12,524

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

NOTE: Seasonally adjusted data in this table have been revised. See note on page 8.

Table A-4. Duration of unemployment

[Numbers in thousands]

Weeks of unemployment	Not seasonally adjusted		Seasonally adjusted					
	Dec.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1978	1979	1979	1979	1979	1979
<b>DURATION</b>								
Less than 5 weeks .....	2,553	2,608	2,858	3,168	2,778	2,955	2,919	2,916
5 to 14 weeks .....	2,015	2,055	1,937	1,738	2,035	1,963	1,869	1,966
15 weeks and over .....	1,157	1,173	1,217	1,185	1,152	1,195	1,191	1,230
15 to 26 weeks .....	706	689	732	658	644	678	660	711
27 weeks and over .....	451	484	485	527	508	517	531	519
Average (mean) duration, in weeks .....	11.0	11.0	10.6	10.7	10.7	10.5	10.6	10.5
Median duration, in weeks .....	6.1	6.1	5.5	4.9	5.8	5.5	5.3	5.5
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	44.6	44.7	47.5	52.0	46.6	48.3	48.8	47.7
5 to 14 weeks .....	35.2	35.2	32.2	28.5	34.1	32.1	31.3	32.2
15 weeks and over .....	20.2	20.1	20.2	19.5	19.3	19.5	19.9	20.1
15 to 26 weeks .....	12.3	11.8	12.2	10.8	10.8	11.1	11.0	11.6
27 weeks and over .....	7.9	8.3	8.1	8.7	8.5	8.5	8.9	8.5

NOTE: Seasonally adjusted data in this table have been revised. See note on page 6.



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Table A-5. Reasons for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Dec.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1978	1979	1979	1979	1979	1979
<b>NUMBER OF UNEMPLOYED</b>								
Lost last job .....	2,504	2,794	2,443	2,680	2,632	2,731	2,729	2,728
On layoff .....	760	969	735	915	855	929	987	944
Other job losers .....	1,744	1,825	1,708	1,765	1,777	1,802	1,742	1,784
Left last job .....	827	724	912	875	825	835	845	800
Reentered labor force .....	1,716	1,607	1,904	1,788	1,760	1,762	1,698	1,771
Seeking first job .....	678	710	826	745	801	804	736	858
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	43.8	47.9	40.1	44.0	43.7	44.5	45.4	44.3
On layoff .....	13.3	16.6	12.1	15.0	14.2	15.2	16.4	15.3
Other job losers .....	30.5	31.3	28.1	29.0	29.5	29.4	29.0	29.0
Job leavers .....	14.5	12.4	15.0	14.4	13.7	13.6	14.1	13.0
Reentrants .....	30.0	27.5	31.3	29.4	29.2	28.7	28.3	28.8
New entrants .....	11.8	12.2	13.6	12.2	13.3	13.1	12.3	13.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	2.4	2.7	2.4	2.6	2.5	2.6	2.6	2.6
Job leavers .....	.8	.7	.9	.8	.8	.8	.8	.8
Reentrants .....	1.7	1.5	1.9	1.7	1.7	1.7	1.6	1.7
New entrants .....	.7	.7	.8	.7	.8	.8	.7	.8

NOTE: Seasonally adjusted data in this table have been revised. See note on page 6.

Table A-6. Unemployment by sex and age, seasonally adjusted

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	Dec.	Dec.	Dec.	Aug.	Sept.	Oct.	Nov.	Dec.
	1978	1979	1978	1979	1979	1979	1979	1979
Total, 16 years and over .....	5,984	6,087	5.9	5.9	5.8	5.9	5.8	5.9
16 to 19 years .....	1,574	1,527	16.4	16.6	16.2	16.4	15.9	16.0
16 to 17 years .....	805	728	19.6	18.5	16.9	18.4	17.3	18.0
18 to 19 years .....	770	802	14.0	15.4	15.6	15.0	14.7	14.5
20 to 24 years .....	1,364	1,505	9.0	9.3	9.2	9.6	8.8	9.8
25 years and over .....	3,029	3,040	3.9	4.0	3.9	4.0	4.0	3.8
25 to 54 years .....	2,618	2,650	4.2	4.2	4.1	4.2	4.3	4.1
55 years and over .....	424	400	2.9	3.1	2.9	3.0	2.7	2.7
Men, 16 years and over .....	3,035	3,089	5.1	5.2	5.2	5.2	5.2	5.2
16 to 19 years .....	837	786	16.5	16.3	16.1	15.7	15.8	15.6
16 to 17 years .....	433	390	19.9	18.0	16.7	17.1	17.8	17.9
18 to 19 years .....	397	391	13.8	15.1	15.3	14.4	14.0	13.6
20 to 24 years .....	700	782	8.6	8.8	8.8	9.5	8.4	9.4
25 years and over .....	1,481	1,505	3.2	3.4	3.3	3.4	3.5	3.2
25 to 54 years .....	1,248	1,282	3.4	3.5	3.6	3.5	3.8	3.4
55 years and over .....	240	231	2.6	3.1	2.8	2.8	2.6	2.6
Women, 16 years and over .....	2,949	2,998	6.9	7.0	6.6	6.9	6.6	6.8
16 to 19 years .....	737	741	16.2	17.0	16.4	17.2	16.1	16.4
16 to 17 years .....	372	338	19.4	19.0	17.2	19.8	16.7	18.0
18 to 19 years .....	373	411	14.2	15.7	15.9	15.6	15.5	15.5
20 to 24 years .....	664	723	9.5	9.8	9.6	9.7	9.3	10.2
25 years and over .....	1,548	1,535	5.0	4.9	4.6	4.9	4.7	4.7
25 to 54 years .....	1,370	1,368	5.4	5.3	5.0	5.2	5.0	5.1
55 years and over .....	184	169	3.3	3.2	2.9	3.4	2.9	2.9

NOTE: Data in this table have been revised. See note on page 6.

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**Table A-7. Range of unemployment measures based on varying definitions of unemployment and the labor force, seasonally adjusted**

[Percent]

Measures	Quarterly averages					Monthly data		
	1978	1979				1979		
	IV	I	II	III	IV	Oct.	Nov.	Dec.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.2	1.2	1.2	1.1	1.2	1.2	1.1	1.2
U-2—Job losers as a percent of the civilian labor force .....	2.4	2.4	2.4	2.5	2.6	2.6	2.6	2.6
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over .....	3.9	3.9	3.9	3.9	3.9	4.0	4.0	3.8
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force .....	5.2	5.2	5.2	5.3	5.4	5.4	5.4	5.4
U-5—Total unemployed as a percent of the civilian labor force (official measure) .....	5.8	5.8	5.8	5.8	5.9	5.9	5.8	5.9
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons as a percent of the civilian labor force less ½ of the part-time labor force .....	7.2	7.2	7.2	7.3	7.4	7.4	7.4	7.5
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ½ of the part-time labor force .....	8.0	7.9	8.0	8.0	8.1	N.A.	N.A.	N.A.

N.A. = not available.

NOTE: Data in this table have been revised. See note on page 6.

**Table A-8. Employment status of the noninstitutional population by race and Hispanic origin, not seasonally adjusted**

[Number in thousands]

Employment status	Total		White		Black <sup>1</sup>		Hispanic origin <sup>2</sup>	
	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979
<b>TOTAL</b>								
Civilian noninstitutional population .....	160,142	162,809	140,507	142,645	16,831	17,205	7,458	7,953
Civilian labor force .....	101,632	103,884	89,556	91,509	10,284	10,457	4,791	5,113
Percent of population .....	63.5	63.8	63.7	64.2	61.1	60.8	64.2	64.3
Employment .....	95,906	98,047	85,133	86,993	9,101	9,276	4,372	4,646
Agriculture .....	2,990	2,995	2,690	2,709	252	240	162	202
Nonagricultural industries .....	92,916	95,052	82,443	84,284	8,849	9,036	4,210	4,443
Unemployment .....	5,725	5,836	4,422	4,516	1,183	1,180	419	467
Unemployment rate .....	5.6	5.6	4.9	4.9	11.5	11.3	8.7	9.1
Not in labor force .....	58,510	58,925	50,951	51,136	6,547	6,749	2,666	2,840

<sup>1</sup> Data relate to black workers only. According to the 1970 Census, they comprised about 89 percent of the "black and other" population group.

<sup>2</sup> Data on persons of Hispanic origin are tabulated separately, without regard to race, which means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

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Table A-9. Employment status of male Vietnam-era veterans and nonveterans by age, not seasonally adjusted

(Numbers in thousands)

(Numbers in thousands)

Veteran status and age	Civilian noninsti- tutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979	Dec. 1978	Dec. 1979
<b>VETERANS<sup>1</sup></b>										
Total, 20 years and over .....	8,446	8,560	8,036	8,121	7,638	7,787	398	334	5.0	4.1
20 to 24 years .....	653	459	589	416	489	371	100	45	17.0	10.8
25 to 29 years .....	7,018	7,196	6,776	6,926	6,506	6,656	270	270	4.0	3.9
30 to 34 years .....	2,148	1,846	2,059	1,741	1,941	1,626	118	115	5.7	6.6
35 to 39 years .....	3,535	3,623	3,423	3,519	3,309	3,421	114	98	3.3	2.8
40 years and over .....	1,335	1,727	1,294	1,666	1,256	1,609	38	57	2.9	3.4
	775	905	671	779	643	760	28	19	4.2	2.4
<b>NONVETERANS<sup>2</sup></b>										
Total, 25 to 39 years .....	14,087	14,998	13,430	14,268	12,894	13,675	536	593	4.0	4.2
25 to 29 years .....	6,379	6,860	6,036	6,489	5,727	6,210	309	279	5.1	4.3
30 to 34 years .....	4,042	4,340	3,883	4,154	3,759	3,968	124	186	3.2	4.5
35 to 39 years .....	3,666	3,798	3,511	3,625	3,408	3,497	103	128	2.9	3.5

<sup>1</sup> Vietnam-era veterans are those who served between August 5, 1964 and May 7, 1975.<sup>2</sup> Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

Table A-10. Persons not in the labor force by selected characteristics, quarterly averages

(In thousands)

Characteristics	Not seasonally adjusted		Seasonally adjusted					
	IV	IV	1978		1979			
	1978	1979	III	IV	I	II	III	IV
Total not in labor force .....	58,307	58,744	58,458	58,384	58,255	58,824	58,568	58,842
Do not want a job now .....	53,297	53,716	52,928	53,068	53,238	53,666	52,955	53,563
Want a job now .....	5,009	5,026	5,386	5,261	5,246	5,190	5,527	5,287
Discouraged workers .....	729	700	851	772	740	807	731	741
Job-market factors <sup>1</sup> .....	469	438	612	491	495	507	531	459
Personal factors <sup>2</sup> .....	260	262	239	281	245	300	200	282
Men .....	249	243	287	294	294	256	286	285
Women .....	480	457	564	478	446	551	445	456
White .....	512	518	585	537	527	564	541	540
Black and other .....	218	183	274	232	221	218	200	191

<sup>1</sup> Job market factors include "could not find job" and "thinks no job available."<sup>2</sup> Personal factors include "employers think too young or old," "lacks education or training," and "other personal handicap."

NOTE: Seasonally adjusted data in this table have been revised. See note on page 6.

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-11. Employment status of the noninstitutional population for the ten largest States

(Numbers in thousands)

State and employment status	Not seasonally adjusted <sup>a</sup>			Seasonally adjusted					
	Dec. 1978	Nov. 1979	Dec. 1979	Dec. 1978	Aug. 1979	Sept. 1979	Oct. 1979	Nov. 1979	Dec. 1979
<b>California</b>									
Civilian noninstitutional population <sup>1</sup>	16,506	16,932	16,862	16,506	16,731	16,760	16,804	16,832	16,862
Civilian labor force	12,782	11,050	11,154	10,760	11,051	11,038	11,083	11,081	11,132
Employed	10,104	10,420	10,481	10,084	10,330	10,325	10,395	10,444	10,461
Unemployed	677	630	672	676	721	713	688	637	671
Unemployment rate	6.3	5.7	6.0	6.3	6.5	6.5	6.2	5.7	6.0
<b>Florida</b>									
Civilian noninstitutional population <sup>1</sup>	6,602	6,799	6,816	6,602	6,740	6,758	6,781	6,799	6,816
Civilian labor force	3,690	3,737	3,744	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,455	3,518	3,550	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	235	219	193	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	6.4	5.9	5.2	(2)	(2)	(2)	(2)	(2)	(2)
<b>Illinois</b>									
Civilian noninstitutional population <sup>1</sup>	8,243	8,315	8,321	8,243	8,289	8,295	8,309	8,315	8,321
Civilian labor force	5,370	5,428	5,498	5,382	5,349	5,400	5,411	5,444	5,511
Employed	5,063	5,130	5,158	5,045	5,112	5,069	5,100	5,117	5,141
Unemployed	308	298	340	337	237	331	311	327	370
Unemployment rate	5.7	5.5	6.2	6.3	4.4	6.1	5.7	6.0	6.7
<b>Massachusetts</b>									
Civilian noninstitutional population <sup>1</sup>	4,350	4,397	4,401	4,350	4,381	4,385	4,393	4,397	4,401
Civilian labor force	2,842	2,819	2,859	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,680	2,685	2,715	2,670	2,757	2,750	2,706	2,673	2,712
Unemployed	163	134	145	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	5.7	4.8	5.1	(2)	(2)	(2)	(2)	(2)	(2)
<b>Michigan</b>									
Civilian noninstitutional population <sup>1</sup>	6,687	6,773	6,780	6,687	6,744	6,752	6,765	6,773	6,780
Civilian labor force	4,284	4,369	4,339	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,996	4,024	3,970	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	289	345	369	304	302	348	378	364	384
Unemployment rate	6.7	7.9	8.5	(2)	(2)	(2)	(2)	(2)	(2)
<b>New Jersey</b>									
Civilian noninstitutional population <sup>1</sup>	5,482	5,542	5,549	5,482	5,522	5,527	5,537	5,542	5,548
Civilian labor force	3,565	3,547	3,601	3,592	3,528	3,568	3,570	3,527	3,629
Employed	3,319	3,315	3,386	3,326	3,262	3,349	3,322	3,281	3,394
Unemployed	246	232	215	266	266	219	248	246	235
Unemployment rate	6.9	6.6	6.0	7.4	7.5	6.1	6.9	7.0	6.5
<b>New York</b>									
Civilian noninstitutional population <sup>1</sup>	13,273	13,324	13,329	13,273	13,300	13,304	13,320	13,324	13,329
Civilian labor force	7,973	8,094	8,132	8,056	7,971	7,989	8,018	8,153	8,216
Employed	7,446	7,532	7,565	7,512	7,347	7,393	7,425	7,597	7,632
Unemployed	527	561	567	544	624	596	593	556	584
Unemployment rate	6.6	6.9	7.0	6.8	7.8	7.5	7.4	6.8	7.1
<b>Ohio</b>									
Civilian noninstitutional population <sup>1</sup>	7,906	7,981	7,988	7,906	7,955	7,961	7,975	7,981	7,988
Civilian labor force	5,082	5,098	5,110	5,118	5,045	5,084	5,100	5,100	5,146
Employed	4,836	4,929	4,842	4,851	4,687	4,793	4,778	4,808	4,857
Unemployed	246	269	268	267	358	291	322	292	289
Unemployment rate	4.8	5.3	5.2	5.2	7.1	5.7	6.3	5.7	5.6
<b>Pennsylvania</b>									
Civilian noninstitutional population <sup>1</sup>	8,275	8,942	8,948	8,275	8,916	8,923	8,937	8,942	8,948
Civilian labor force	5,347	5,375	5,349	5,357	5,283	5,327	5,339	5,392	5,358
Employed	5,026	5,006	4,993	4,998	4,903	4,951	4,894	4,986	4,965
Unemployed	320	369	355	359	385	376	445	406	393
Unemployment rate	6.0	6.9	6.6	6.7	7.3	7.1	8.3	7.5	7.3
<b>Texas</b>									
Civilian noninstitutional population <sup>1</sup>	9,291	9,496	9,515	9,291	9,433	9,451	9,478	9,496	9,515
Civilian labor force	6,096	6,272	6,260	6,116	6,136	6,241	6,245	6,266	6,279
Employed	5,812	6,003	6,036	5,813	5,866	5,996	5,989	5,992	6,036
Unemployed	284	269	223	303	270	245	256	274	243
Unemployment rate	4.7	4.3	3.6	5.0	4.4	3.9	4.1	4.4	3.9

<sup>1</sup> The population figures are not adjusted for seasonal variations; therefore, identical numbers appear in the unadjusted and the seasonally adjusted columns.

<sup>a</sup> These are the official Bureau of Labor Statistics' estimates used in the administration of Federal fund allocation programs.

NOTE: Revised seasonal factors are not yet available for States. The seasonally adjusted series will be revised for the release of January data on February 1, 1980.

<sup>2</sup> Seasonally-adjusted data are not presented for this series, because the variations that are due to seasonal influences cannot be separated with sufficient precision from those which stem from the trend-cycle and irregular components of the original time series.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-1. Employees on nonagricultural payrolls by industry

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted					
	DEC. 1978	OCT. 1979	NOV. p 1979	DEC. p 1979	DEC. 1978	AUG. 1979	SEPT. 1979	OCT. 1979	NOV. p 1979	DEC. p 1979
TOTAL .....	88,893	90,678	90,908	91,179	88,133	89,762	89,803	89,982	90,109	90,426
GOODS-PRODUCING .....	26,220	27,032	26,836	26,655	26,272	26,599	26,593	26,572	26,542	26,712
MINING .....	916	982	985	992	922	968	973	979	984	999
CONSTRUCTION .....	4,402	4,976	4,877	4,688	4,469	4,674	4,671	4,694	4,712	4,789
MANUFACTURING .....	20,902	21,094	20,974	20,975	20,881	20,957	20,949	20,899	20,846	20,984
Production workers .....	15,047	15,082	14,961	14,969	15,021	14,956	14,957	14,894	14,838	14,944
DURABLE GOODS .....	12,616	12,737	12,669	12,694	12,583	12,714	12,737	12,650	12,597	12,660
Production workers .....	9,081	9,058	8,991	9,019	9,042	9,044	9,066	8,972	8,918	8,980
Lumber and wood products .....	753.9	771.3	749.9	731.4	765	752	758	760	752	742
Furniture and fixtures .....	498.4	487.6	488.3	488.1	494	484	480	482	483	484
Stone, clay, and glass products .....	703.6	721.0	713.0	700.4	710	710	708	709	705	707
Primary metal industries .....	1,243.0	1,225.1	1,217.2	1,218.5	1,247	1,245	1,236	1,226	1,223	1,222
Fabricated metal products .....	1,723.6	1,738.3	1,737.4	1,731.6	1,718	1,714	1,716	1,723	1,725	1,726
Machinery, except electrical .....	2,415.7	2,447.2	2,447.4	2,468.0	2,404	2,492	2,496	2,455	2,445	2,456
Electric and electronic equipment .....	2,062.4	2,143.7	2,145.8	2,163.8	2,050	2,092	2,117	2,126	2,125	2,151
Transportation equipment .....	2,087.6	2,040.9	2,011.8	2,046.4	2,063	2,079	2,086	2,025	1,996	2,022
Instruments and related products .....	675.6	695.4	695.9	701.7	674	695	692	696	694	700
Miscellaneous manufacturing .....	452.3	466.9	462.5	444.1	456	451	448	449	449	450
NONDURABLE GOODS .....	8,286	8,357	8,305	8,281	8,298	8,243	8,212	8,249	8,249	8,294
Production workers .....	5,966	6,024	5,970	5,950	5,979	5,912	5,891	5,922	5,920	5,964
Food and kindred products .....	1,717.2	1,766.8	1,726.5	1,703.4	1,736	1,696	1,691	1,707	1,711	1,722
Tobacco manufacturers .....	73.9	71.9	64.6	66.9	69	65	65	65	60	62
Textile mill products .....	899.9	889.8	891.8	893.3	899	886	884	887	887	892
Apparel and other textile products .....	1,327.4	1,317.0	1,304.8	1,295.2	1,333	1,302	1,294	1,299	1,291	1,300
Paper and allied products .....	704.1	717.7	715.8	716.4	703	717	714	715	714	716
Printing and publishing .....	1,226.4	1,254.5	1,265.5	1,273.5	1,218	1,247	1,245	1,252	1,262	1,265
Chemicals and allied products .....	1,103.0	1,115.0	1,116.6	1,122.3	1,106	1,111	1,110	1,113	1,115	1,126
Petroleum and coal products .....	209.0	218.1	217.3	214.7	211	213	215	217	217	217
Rubber and misc. plastics products .....	773.5	762.6	759.2	753.6	770	764	751	751	750	751
Leather and leather products .....	251.5	243.1	242.6	241.7	253	243	243	243	242	243
SERVICE-PRODUCING .....	62,673	63,626	64,072	64,524	61,861	63,163	63,210	63,410	63,567	63,714
TRANSPORTATION AND PUBLIC UTILITIES .....	5,084	5,244	5,283	5,265	5,054	5,194	5,180	5,218	5,227	5,224
WHOLESALE AND RETAIL TRADE .....	20,523	20,314	20,575	20,978	19,688	20,126	20,169	20,243	20,383	20,300
WHOLESALE TRADE .....	5,092	5,235	5,249	5,262	5,077	5,185	5,190	5,209	5,233	5,246
RETAIL TRADE .....	15,431	15,079	15,326	15,716	14,781	14,941	14,979	15,034	15,070	15,054
FINANCE, INSURANCE, AND REAL ESTATE .....	4,832	5,013	5,031	5,085	4,847	5,003	4,997	5,018	5,041	5,070
SERVICES .....	16,547	17,292	17,297	17,298	16,630	17,141	17,191	17,257	17,314	17,385
GOVERNMENT .....	15,687	15,763	15,916	15,938	15,472	15,699	15,673	15,674	15,682	15,735
FEDERAL .....	2,733	2,756	2,760	2,770	2,734	2,813	2,762	2,770	2,771	2,787
STATE AND LOCAL .....	12,954	13,007	13,156	13,168	12,738	12,886	12,911	12,904	12,911	12,948

p=preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-2. Average weekly hours of production or nonsupervisory workers, on private nonagricultural payrolls by industry

Industry	Not seasonally adjusted				Seasonally adjusted					
	DEC. 1978	OCT. 1979	NOV. 1979 <sup>p</sup>	DEC. 1979 <sup>p</sup>	DEC. 1978	AUG. 1979	SEPT. 1979	OCT. 1979	NOV. 1979 <sup>p</sup>	DEC. 1979 <sup>p</sup>
TOTAL PRIVATE .....	36.1	35.7	35.6	35.9	35.8	35.6	35.7	35.6	35.7	35.7
MINING .....	43.4	43.7	43.8	43.9	43.4	43.2	43.1	43.1	43.3	43.9
CONSTRUCTION .....	37.0	37.6	36.5	37.1	37.0	37.2	37.5	36.6	36.8	37.1
MANUFACTURING .....	41.4	40.3	40.4	41.0	40.6	40.1	40.2	40.2	40.1	40.3
Overtime hours .....	3.9	3.4	3.4	3.4	3.7	3.2	3.2	3.2	3.2	3.3
DURABLE GOODS .....	42.3	40.8	40.9	41.7	41.4	40.7	40.7	40.8	40.6	40.8
Overtime hours .....	4.3	3.5	3.5	3.5	4.0	3.3	3.3	3.3	3.4	3.3
Lumber and wood products .....	40.1	39.8	39.2	40.0	39.9	39.3	39.7	39.4	39.3	39.8
Furniture and fixtures .....	40.1	39.3	39.2	39.7	39.2	38.3	38.6	38.8	38.9	38.8
Stone, clay, and glass products .....	42.2	41.7	41.7	42.0	41.9	41.3	41.5	41.3	41.5	41.7
Primary metal industries .....	42.5	40.9	40.7	40.9	42.2	41.0	41.0	41.1	40.7	40.8
Fabricated metal products .....	42.2	41.0	40.9	41.8	41.3	40.6	40.7	40.9	40.6	40.9
Machinery, except electrical .....	43.6	41.6	41.9	42.9	42.4	41.6	41.9	41.6	41.6	41.7
Electric and electronic equipment .....	41.3	40.3	40.8	41.4	40.5	39.8	40.3	40.3	40.5	40.6
Transportation equipment .....	44.5	41.3	40.8	42.7	42.8	41.7	40.6	41.3	40.6	41.1
Instruments and related products .....	41.7	40.6	41.3	41.8	40.9	40.5	40.6	40.7	40.9	41.0
Miscellaneous manufacturing .....	39.4	39.3	39.6	39.7	38.9	39.1	39.1	39.1	39.1	39.2
NONDURABLE GOODS .....	39.9	39.4	39.6	40.0	39.4	39.2	39.3	39.3	39.4	39.5
Overtime hours .....	3.3	3.2	3.3	3.3	3.2	3.0	3.1	3.0	3.2	3.2
Food and kindred products .....	40.3	40.0	40.1	40.4	39.9	39.7	40.0	39.9	39.9	40.0
Tobacco manufacturers .....	38.8	38.8	38.9	39.4	38.1	38.0	38.6	38.3	37.7	38.7
Textile mill products .....	40.8	40.8	41.2	41.7	40.4	40.1	40.6	40.8	41.0	41.2
Apparel and other textile products .....	35.8	35.5	35.6	36.0	35.5	35.3	35.3	35.3	35.3	35.7
Paper and allied products .....	43.4	42.6	42.9	43.5	42.6	42.6	42.4	42.6	42.7	42.9
Printing and publishing .....	38.3	37.5	37.9	38.2	37.6	37.7	37.5	37.4	37.6	37.5
Chemicals and allied products .....	42.3	41.7	42.1	42.4	41.8	42.0	41.7	41.7	41.9	41.9
Petroleum and coal products .....	43.7	44.1	44.7	44.1	43.8	43.7	44.1	43.7	44.3	44.2
Rubber and misc. plastics products .....	42.0	40.5	40.2	40.5	41.2	40.2	40.3	40.3	39.9	39.7
Leather and leather products .....	37.1	36.5	36.8	37.1	36.7	36.5	37.0	36.5	36.7	36.7
TRANSPORTATION AND PUBLIC UTILITIES .....	40.2	39.9	40.0	40.2	40.0	39.9	39.9	39.9	40.0	40.0
WHOLESALE AND RETAIL TRADE .....	33.1	32.5	32.4	32.9	32.8	32.5	32.6	32.6	32.7	32.6
WHOLESALE TRADE .....	39.1	38.9	39.0	39.2	38.9	38.7	38.7	38.8	39.0	39.0
RETAIL TRADE .....	31.3	30.4	30.4	30.9	30.9	30.5	30.7	30.6	30.7	30.5
FINANCE, INSURANCE, AND REAL ESTATE .....	36.3	36.3	36.4	36.4	36.3	36.1	36.4	36.2	36.5	36.4
SERVICES .....	32.5	32.6	32.6	32.7	32.6	32.7	32.7	32.6	32.7	32.8

<sup>1</sup> Data relate to production workers in mining and manufacturing; retail trade; finance, insurance, and real estate; and services.  
p = preliminary

<sup>2</sup> Mining, 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.  
p = preliminary

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-3. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls by industry

Industry	Average hourly earnings				Average weekly earnings			
	DEC. 1978	OCT. 1979	NOV. 1979 <sup>p</sup>	DEC. 1979 <sup>p</sup>	DEC. 1978	OCT. 1979	NOV. 1979 <sup>p</sup>	DEC. 1979 <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	85.91	86.32	86.34	86.38	8213.35	8225.62	8225.70	8220.04
Seasonally adjusted .....	5.92	6.28	6.33	6.39	211.94	223.57	225.98	228.12
<b>MINING</b> .....	8.06	8.57	8.70	8.76	349.80	374.51	381.06	384.56
<b>CONSTRUCTION</b> .....	5.92	9.49	9.50	9.52	330.04	356.82	346.75	353.19
<b>MANUFACTURING</b> .....	6.48	6.82	6.87	6.97	268.27	274.85	277.55	285.77
<b>DURABLE GOODS</b> .....	6.93	7.25	7.29	7.42	293.14	295.80	298.16	309.41
Lumber and wood products .....	5.79	6.24	6.24	6.25	232.18	248.35	244.61	250.00
Furniture and fixtures .....	4.86	5.20	5.22	5.28	194.89	204.36	204.62	209.62
Stone, clay, and glass products .....	6.58	7.00	7.06	7.06	277.68	291.90	294.40	296.58
Primary metal industries .....	6.56	9.10	9.27	9.35	343.80	372.19	377.89	382.42
Fabricated metal products .....	6.82	6.96	7.00	7.11	279.36	285.36	286.30	297.20
Machinery, except electrical .....	7.15	7.45	7.53	7.65	311.74	309.92	315.51	328.19
Electric and electronic equipment .....	6.09	6.48	6.52	6.63	251.52	261.14	266.02	274.48
Transportation equipment .....	8.41	8.67	8.70	8.88	374.25	358.07	354.96	379.18
Instruments and related products .....	5.95	6.32	6.39	6.45	248.12	257.86	263.91	269.61
Miscellaneous manufacturing .....	4.86	5.12	5.14	5.24	191.88	201.22	203.54	208.03
<b>NONDURABLE GOODS</b> .....	5.75	6.14	6.20	6.26	229.43	241.92	245.52	250.40
Food and kindred products .....	6.62	6.36	6.50	6.54	242.61	254.40	260.65	264.22
Tobacco manufacturers .....	6.16	6.43	7.01	7.02	239.78	249.48	272.69	276.59
Textile mill products .....	4.88	4.83	4.86	4.89	182.78	197.06	200.23	203.91
Apparel and other textile products .....	4.08	4.32	4.32	4.38	146.06	153.36	153.79	157.68
Paper and allied products .....	6.79	7.34	7.41	7.45	298.69	312.68	317.89	324.08
Printing and publishing .....	6.79	7.06	7.10	7.16	256.61	264.75	269.09	273.51
Chemicals and allied products .....	7.28	7.82	7.86	7.92	307.94	326.09	330.91	335.81
Petroleum and coal products .....	8.89	9.49	9.59	9.57	388.49	418.51	428.67	422.89
Rubber and misc. plastics products .....	5.77	6.12	6.13	6.23	242.34	247.86	246.43	252.32
Leather and leather products .....	4.61	4.31	4.38	4.39	148.77	157.32	159.71	162.87
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	7.86	8.45	8.49	8.55	315.57	337.16	339.60	343.71
<b>WHOLESALE AND RETAIL TRADE</b> .....	4.81	5.15	5.18	5.17	159.21	167.38	167.83	170.09
<b>WHOLESALE TRADE</b> .....	6.14	6.51	6.57	6.64	240.07	283.24	256.23	260.29
<b>RETAIL TRADE</b> .....	4.31	4.59	4.62	4.59	134.90	139.54	140.45	141.83
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	5.07	5.37	5.42	5.49	188.04	194.93	197.29	199.84
<b>SERVICES</b> .....	5.16	5.48	5.53	5.59	167.70	178.65	180.28	182.79

<sup>1</sup> See footnote 1, table B-2.<sup>p</sup>=preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-4. Hourly earnings index for production or nonsupervisory workers on private nonagricultural payrolls by industry division, seasonally adjusted

[1967=100]

Industry	DEC. 1978	JULY 1979	AUG. 1979	SEPT. 1979	OCT. 1979	NOV. P 1979	DEC. P 1979	Percent change from—	
								DEC. 1978- DEC. 1979	NOV. 1979- DEC. 1979
<b>TOTAL PRIVATE NONFARM:</b>									
Current dollars	220.9	230.9	232.2	234.3	234.9	237.1	239.1	8.2	0.8
Constant (1967) dollars	108.7	105.6	105.1	104.9	104.2	104.1	N.A.	12	13
<b>MINING</b>	250.9	266.9	265.6	266.1	268.0	271.4	274.0	9.2	.0
<b>CONSTRUCTION</b>	213.0	222.1	223.1	224.4	224.0	225.6	226.5	6.4	.4
<b>MANUFACTURING</b>	224.2	235.4	236.9	238.7	240.3	242.1	244.2	8.9	.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	239.0	251.3	252.6	255.6	255.8	258.0	260.5	9.0	1.0
<b>WHOLESALE AND RETAIL TRADE</b>	214.7	223.8	225.4	227.0	227.4	229.4	230.4	7.3	.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	202.1	210.8	211.5	214.4	213.1	216.2	218.4	8.1	1.0
<b>SERVICES</b>	219.3	227.0	228.4	231.5	232.3	234.6	237.4	6.2	1.2

1 SEE FOOTNOTE 1, TABLE B-2.

2 PERCENT CHANGE WAS -4.1 FROM NOVEMBER 1978 TO NOVEMBER 1979, THE LATEST MONTH AVAILABLE.

3 PERCENT CHANGE WAS -1.1 FROM OCTOBER 1979 TO NOVEMBER 1979, THE LATEST MONTH AVAILABLE.

N.A. = not available.

p=preliminary.

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

Table B-5. Indexes of aggregate weekly hours of production or nonsupervisory workers, on private nonagricultural payrolls by industry, seasonally adjusted

[1967=100]

Industry division and group	1978	1979											
	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV. P	DEC. P
<b>TOTAL PRIVATE</b>	124.2	124.4	124.7	125.7	123.6	125.4	125.7	128.7	128.5	128.9	128.8	126.3	126.9
<b>GOODS-PRODUCING</b>	109.8	110.3	110.2	111.3	106.8	110.3	110.1	109.9	109.4	109.7	109.0	108.7	110.2
<b>MINING</b>	151.3	152.0	152.5	152.5	152.0	151.6	152.5	148.4	156.7	157.4	158.1	159.0	163.6
<b>CONSTRUCTION</b>	127.9	128.9	126.7	132.7	124.9	133.7	134.4	133.9	134.5	135.4	132.7	133.7	136.5
<b>MANUFACTURING</b>	105.1	105.6	105.8	106.8	102.0	104.7	104.3	104.4	103.3	103.4	103.1	102.5	103.7
<b>DURABLE GOODS</b>	106.8	109.2	109.9	110.1	105.0	108.3	107.9	107.9	106.8	107.1	106.2	105.2	106.4
Lumber and wood products	115.6	115.9	114.9	116.4	112.4	113.3	112.7	111.9	112.3	113.6	113.3	111.4	110.9
Furniture and fixtures	110.2	109.9	109.1	109.4	105.8	105.9	105.3	105.9	104.5	104.6	105.9	106.2	106.2
Stone, clay, and glass products	112.4	113.0	112.8	114.9	111.5	113.1	113.0	111.5	110.8	111.2	110.6	110.6	111.3
Primary metal industries	99.6	100.1	100.3	100.2	99.7	99.7	97.9	97.8	95.9	95.3	94.6	93.2	92.9
Fabricated metal products	107.8	107.4	108.7	108.6	102.7	106.6	107.1	106.7	104.8	105.4	106.1	105.3	106.3
Machinery, except electrical	115.3	115.6	117.4	117.5	113.0	117.4	117.6	118.0	116.2	117.7	114.3	114.1	115.0
Electric and electronic equipment	105.5	106.6	107.8	108.5	104.4	108.2	108.6	108.5	104.7	107.2	107.6	107.7	109.3
Transportation equipment	105.4	105.9	106.9	105.9	94.3	102.6	99.4	100.3	102.6	100.1	97.4	95.8	97.6
Instruments and related products	126.3	128.2	129.4	129.7	127.2	126.1	128.4	128.1	127.2	127.2	127.6	127.5	129.4
Miscellaneous manufacturing industry	101.8	102.3	101.7	101.7	97.5	98.7	100.3	100.7	100.8	99.9	99.9	99.9	100.8
<b>NONDURABLE GOODS</b>	99.8	100.3	99.8	100.1	97.8	99.5	99.1	99.1	98.2	98.1	98.5	98.7	99.7
Food and kindred products	97.7	98.1	97.0	98.1	96.8	97.0	96.8	95.9	94.6	95.0	96.1	96.5	97.7
Tobacco manufacturers	73.6	71.8	70.0	73.4	73.9	76.5	72.6	73.8	66.7	70.5	69.9	60.9	66.6
Textile mill products	91.0	91.9	90.3	90.6	86.7	89.5	89.6	89.8	89.0	89.8	90.6	91.3	92.2
Apparel and other textile products	91.0	91.0	90.3	89.9	86.8	89.5	88.7	89.5	88.0	87.5	87.9	87.3	89.0
Paper and allied products	100.7	101.1	101.8	103.0	100.8	102.3	102.1	103.2	103.1	102.2	102.7	102.8	103.8
Printing and publishing	101.5	102.5	103.1	103.4	101.7	103.1	103.3	104.4	104.7	103.9	104.3	105.9	105.8
Chemicals and allied products	107.8	108.7	108.5	108.1	107.7	108.3	108.4	108.8	108.2	107.6	107.9	108.3	109.8
Petroleum and coal products	123.6	122.7	123.9	125.0	127.7	124.8	123.1	123.0	124.2	126.2	125.1	126.6	127.4
Rubber and misc. plastics products	152.0	153.9	154.0	154.4	148.4	153.4	150.4	150.5	145.6	143.5	143.5	142.4	141.9
Leather and leather products	68.4	67.9	66.6	66.1	63.9	65.4	66.0	61.3	64.9	66.1	65.2	64.9	65.2
<b>SERVICE-PRODUCING</b>	134.2	134.2	134.8	135.8	135.3	135.9	136.5	136.7	136.6	137.2	137.5	138.5	138.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	112.8	112.8	113.3	113.7	109.2	113.4	115.0	114.2	115.2	114.9	115.8	116.2	116.3
<b>WHOLESALE AND RETAIL TRADE</b>	129.5	129.0	129.3	130.2	130.6	130.2	130.0	129.9	129.6	130.4	130.7	131.6	131.0
<b>WHOLESALE TRADE</b>	130.5	130.5	130.8	132.3	131.3	132.8	132.8	132.7	132.4	132.5	133.4	134.6	135.1
<b>RETAIL TRADE</b>	129.0	128.5	128.7	129.3	130.3	129.1	128.9	128.9	128.5	129.6	129.7	130.5	129.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	142.7	143.3	144.1	144.6	145.5	144.5	145.7	144.5	146.3	147.1	146.7	148.4	148.9
<b>SERVICES</b>	148.4	148.4	149.5	151.1	151.8	151.7	152.0	153.5	153.4	153.8	154.1	155.3	156.2

1 See footnote 1, table B-2.

p=preliminary.



## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-6. Indexes of diffusion: Percent of industries in which employment<sup>1</sup> increased

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1976				
January.....	77.0	85.8	86.9	84.0
February.....	70.3	84.3	85.8	83.7
March.....	69.2	82.3	79.4	85.2
April.....	70.6	73.8	72.4	77.6
May.....	59.6	64.8	67.7	82.6
June.....	51.7	62.5	71.5	80.2
July.....	59.0	56.4	60.8	78.2
August.....	54.4	68.3	66.9	77.3
September.....	68.9	55.8	68.6	78.8
October.....	47.4	66.9	73.8	79.4
November.....	65.1	62.2	77.9	80.8
December.....	66.0	78.8	78.2	82.6
1977				
January.....	73.0	80.2	86.3	80.5
February.....	67.2	84.3	84.6	81.4
March.....	72.4	82.6	84.0	82.8
April.....	71.5	81.7	82.3	84.6
May.....	70.3	76.5	79.1	85.2
June.....	65.1	72.7	77.6	86.6
July.....	70.3	70.3	75.3	84.9
August.....	57.8	70.9	76.7	83.1
September.....	67.2	67.7	79.7	83.1
October.....	64.2	76.2	80.5	82.8
November.....	73.3	79.7	84.0	81.1
December.....	75.3	79.4	82.3	82.0
1978				
January.....	68.3	80.2	83.1	81.4
February.....	69.2	75.6	79.1	83.1
March.....	69.5	77.3	77.6	81.1
April.....	68.0	69.8	73.5	82.0
May.....	57.8	67.2	72.7	81.7
June.....	66.6	66.6	71.2	82.3
July.....	64.5	69.5	73.0	81.4
August.....	60.5	67.2	77.3	78.2
September.....	62.5	71.2	79.7	77.9
October.....	73.0	78.2	82.3	73.5
November.....	75.9	81.1	82.3	76.2
December.....	74.4	82.3	80.5	71.8
1979				
January.....	70.3	76.5	74.1	71.8
February.....	65.1	72.1	67.4	70.6
March.....	60.5	57.8	61.9	63.7
April.....	44.8	55.2	58.1	64.0
May.....	54.7	51.5	50.3	60.5p
June.....	57.0	58.4	46.8	60.8p
July.....	61.6	56.7	56.1	
August.....	48.8	52.0	53.8p	
September.....	46.8	52.9	61.3p	
October.....	69.8	59.6p		
November.....	59.9p	70.9p		
December.....	69.2p			

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

## HOUSEHOLD DATA

## HOUSEHOLD DATA

**Table 1. Employment status of the noninstitutional population, annual averages, 1974-79**

(Numbers in thousands)

Employment status	1974	1975	1976	1977	1978	1979
<b>TOTAL</b>						
Total noninstitutional population.....	150,827	153,449	156,048	158,559	161,058	163,620
Armed Forces.....	2,229	2,180	2,144	2,133	2,117	2,088
Civilian noninstitutional population.....	148,599	151,268	153,904	156,426	158,941	161,532
Civilian labor force.....	91,011	92,613	94,773	97,401	100,420	102,908
Participation rate.....	61.2	61.2	61.6	62.3	63.2	63.7
Employed.....	85,936	84,783	87,485	90,546	94,373	96,945
Employment-population ratio <sup>1</sup> .....	57.0	55.3	56.1	57.1	58.6	59.3
Agriculture.....	3,492	3,380	3,297	3,244	3,342	3,297
Nonagricultural industries.....	82,443	81,403	84,188	87,302	91,031	93,648
Unemployed.....	5,076	7,830	7,288	6,855	6,047	5,963
Unemployment rate.....	5.6	8.5	7.7	7.0	6.0	5.8
Not in labor force.....	57,587	58,655	59,130	59,025	58,521	58,623
<b>Men, 20 years and over</b>						
Total noninstitutional population.....	63,946	65,082	66,253	67,484	68,693	69,964
Civilian noninstitutional population.....	62,149	63,357	64,561	65,796	67,006	68,293
Civilian labor force.....	50,363	50,855	51,527	52,464	53,464	54,486
Participation rate.....	81.0	80.3	79.8	79.7	79.8	79.8
Employed.....	48,445	47,427	48,486	49,737	51,212	52,264
Employment-population ratio <sup>1</sup> .....	75.8	72.9	73.2	73.7	74.6	74.7
Agriculture.....	2,523	2,422	2,359	2,308	2,361	2,350
Nonagricultural industries.....	45,921	45,005	46,128	47,429	48,852	49,913
Unemployed.....	1,918	3,428	3,041	2,727	2,252	2,223
Unemployment rate.....	3.8	6.7	5.9	5.2	4.2	4.1
Not in labor force.....	11,786	12,502	13,034	13,332	13,541	13,807
<b>Women, 20 years and over</b>						
Total noninstitutional population.....	70,447	71,719	73,003	74,256	75,594	76,976
Civilian noninstitutional population.....	70,396	71,650	72,917	74,160	75,489	76,860
Civilian labor force.....	31,836	32,959	34,276	35,685	37,416	38,910
Participation rate.....	45.2	46.0	47.0	48.1	49.6	50.6
Employed.....	30,088	30,310	31,730	33,199	35,180	36,698
Employment-population ratio <sup>1</sup> .....	42.7	42.3	43.5	44.7	46.5	47.7
Agriculture.....	520	505	511	537	586	591
Nonagricultural industries.....	29,568	29,805	31,218	32,662	34,593	36,107
Unemployed.....	1,748	2,649	2,546	2,486	2,236	2,213
Unemployment rate.....	5.5	8.0	7.4	7.0	6.0	5.7
Not in labor force.....	38,560	38,691	38,641	38,474	38,073	37,949
<b>Both sexes, 16-19 years</b>						
Total noninstitutional population.....	16,435	16,648	16,792	16,818	16,771	16,681
Civilian noninstitutional population.....	16,055	16,261	16,426	16,470	16,447	16,379
Civilian labor force.....	8,813	8,799	8,970	9,252	9,540	9,512
Participation rate.....	54.9	54.1	54.6	56.2	58.0	58.1
Employed.....	7,403	7,046	7,269	7,610	7,981	7,984
Employment-population ratio <sup>1</sup> .....	45.0	42.3	43.3	45.2	47.6	47.9
Agriculture.....	449	453	427	399	395	356
Nonagricultural industries.....	6,954	6,593	6,842	7,211	7,586	7,628
Unemployed.....	1,410	1,752	1,701	1,642	1,559	1,528
Unemployment rate.....	16.0	19.9	19.0	17.7	16.3	16.1
Not in labor force.....	7,242	7,442	7,455	7,218	6,907	6,867
<b>WHITE</b>						
Total noninstitutional population.....	133,266	135,323	137,351	139,346	141,289	143,260
Civilian noninstitutional population.....	131,375	133,501	135,569	137,595	139,580	141,614
Civilian labor force.....	80,678	82,084	83,876	86,107	88,456	90,602
Participation rate.....	61.4	61.5	61.9	62.6	63.4	64.0
Employed.....	76,620	73,713	78,021	80,734	83,836	86,025
Employment-population ratio <sup>1</sup> .....	57.5	55.9	56.8	57.9	59.3	60.0
Unemployed.....	4,057	6,371	5,855	5,373	4,620	4,577
Unemployment rate.....	5.0	7.8	7.0	6.2	5.2	5.1
Not in labor force.....	50,697	51,416	51,692	51,488	51,124	51,011
<b>BLACK AND OTHER</b>						
Total noninstitutional population.....	17,561	18,126	18,696	19,212	19,769	20,359
Civilian noninstitutional population.....	17,224	17,768	18,335	18,831	19,361	19,918
Civilian labor force.....	10,334	10,529	10,897	11,294	11,964	12,306
Participation rate.....	60.0	59.3	59.4	60.0	61.8	61.8
Employed.....	9,316	9,070	9,464	9,812	10,537	10,920
Employment-population ratio <sup>1</sup> .....	53.0	50.0	50.6	51.1	53.3	53.6
Unemployed.....	1,018	1,459	1,433	1,482	1,427	1,386
Unemployment rate.....	9.9	13.9	13.1	13.1	11.9	11.3
Not in labor force.....	6,890	7,239	7,438	7,535	7,397	7,612

<sup>1</sup> Civilian employment as a percent of the total noninstitutional population (including Armed Forces).

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table 2. Major unemployment indicators, annual averages, 1974-79

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	1978	1979	1974	1975	1976	1977	1978	1979
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	6,047	5,963	5.6	8.5	7.7	7.0	6.0	8
Men, 20 years and over .....	2,252	2,223	3.8	6.7	5.9	5.2	4.2	1.1
Women, 20 years and over .....	2,236	2,213	5.5	8.0	7.4	7.0	6.0	7
Both sexes, 16-19 years .....	1,559	1,528	16.0	19.9	19.0	17.7	16.3	16.1
White, total .....	4,620	4,577	5.0	7.8	7.0	6.2	5.2	5.1
Men, 20 years and over .....	1,757	1,728	3.5	6.2	5.4	4.6	3.7	3.6
Women, 20 years and over .....	1,686	1,669	5.0	7.5	6.8	6.2	5.2	5.0
Both sexes, 16-19 years .....	1,178	1,181	14.0	17.9	16.9	15.4	13.9	13.9
Black and other, total .....	1,427	1,386	9.9	13.9	13.1	13.1	11.9	11.3
Men, 20 years and over .....	495	495	6.8	11.7	10.6	10.0	8.6	8.4
Women, 20 years and over .....	550	544	8.4	11.5	11.3	11.7	10.6	10.1
Both sexes, 16-19 years .....	381	347	32.9	36.9	37.1	38.3	36.3	33.5
Married men, spouse present .....	1,114	1,101	2.7	5.1	4.2	3.6	2.8	2.7
Married women, spouse present .....	1,274	1,224	5.3	7.9	7.1	6.5	5.5	5.1
Women who head families .....	407	413	7.0	10.0	10.0	9.3	8.5	8.3
Full-time workers .....	4,706	4,639	5.1	8.1	7.3	6.5	5.5	5.3
Part-time workers .....	1,341	1,325	8.6	10.3	10.1	9.8	9.0	8.7
Unemployed 15 weeks and over <sup>1</sup> .....	1,379	1,202	1.0	2.7	2.5	2.0	1.4	1.2
Labor force time lost <sup>2</sup> .....	--	--	6.1	9.1	8.3	7.6	6.5	6.3
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers .....	1,717	1,703	3.3	4.7	4.6	4.3	3.5	3.3
Professional and technical .....	381	373	2.3	3.2	3.2	3.0	2.6	2.4
Managers and administrators, except farm .....	214	225	1.8	3.0	3.1	2.8	2.1	2.1
Sales workers .....	256	252	4.2	5.8	5.4	5.3	4.1	3.9
Clerical workers .....	866	853	4.6	6.6	6.4	5.9	4.9	4.6
Blue-collar workers .....	2,323	2,377	6.7	11.7	9.4	8.1	6.9	6.9
Craft and kindred workers .....	603	604	4.4	8.3	6.9	5.6	4.6	4.5
Operatives, except transport .....	960	1,000	8.2	14.7	10.8	9.5	8.1	8.4
Transport equipment operatives .....	195	206	5.1	8.5	7.7	6.6	5.2	5.4
Nonfarm laborers .....	566	566	10.1	15.6	13.7	12.0	10.7	10.8
Service workers .....	1,029	980	6.3	8.6	8.7	8.2	7.4	7.1
Farm workers .....	110	106	2.5	3.5	4.5	4.6	3.8	3.8
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup> .....	4,327	4,336	5.7	9.2	7.9	7.0	5.9	5.7
Construction .....	516	525	10.6	18.1	15.6	12.7	10.6	10.2
Manufacturing .....	1,213	1,271	5.7	10.9	7.9	6.7	5.5	5.5
Durable goods .....	645	685	5.4	11.3	7.7	6.2	4.9	5.0
Nondurable goods .....	568	586	6.2	10.4	8.1	7.4	6.3	6.4
Transportation and public utilities .....	196	200	3.2	5.6	5.0	4.7	3.7	3.7
Wholesale and retail trade .....	1,263	1,214	6.4	8.7	8.6	8.0	6.9	6.5
Finance and service industries .....	1,105	1,083	4.6	6.6	6.5	6.0	5.1	4.9
Government workers .....	620	589	3.0	4.0	4.4	4.2	3.9	3.7
Agricultural wage and salary workers .....	136	141	7.3	10.3	11.7	11.1	8.8	9.1

<sup>1</sup> Unemployment rate calculated as a percent of civilian labor force.<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for economic reasons as a percent of potentially available labor force hours.<sup>3</sup> Unemployment by occupation includes all experienced unemployed persons, whereas that

by industry covers only unemployed wage and salary workers.

<sup>4</sup> Includes mining, not shown separately.

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