

# News

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## THE EMPLOYMENT SITUATION: JANUARY 1989

Employment rose substantially in January and unemployment was little changed, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. Both the overall and the civilian worker jobless rates were 5.4 percent and have shown little movement in recent months.

The number of nonagricultural payroll jobs, as measured by the monthly survey of business establishments, increased by 410,000 in January, after seasonal adjustment. Total civilian employment derived from the survey of households, which has generally shown smaller gains than payroll employment over the past year, rose by 700,000.

### Unemployment (Household Survey Data)

Both the level and the rate of unemployment were little changed in January, at 6.7 million and 5.4 percent, respectively, after seasonal adjustment. These measures have hovered near their present levels for the past several months. (See table A-2.)

Similarly, jobless rates for most major worker groups, including adult men (4.6 percent), adult women (4.7 percent), whites (4.6 percent), and blacks (12.0 percent), showed little or no movement from December. The rates for teenagers (16.4 percent) and Hispanics (8.4 percent) edged up over the month. (See tables A-2 and A-3.)

Both the mean and median duration of unemployment, at 12.7 and 5.7 weeks, respectively, were about unchanged from December. Persons jobless for 6 months or more, at about 750,000 in January, accounted for 11 percent of the unemployed total. (See table A-7.)

### Civilian Employment and the Labor Force (Household Survey Data)

Civilian employment increased by 700,000 on a seasonally adjusted basis in January to a level of 116.7 million. This gain followed much smaller monthly increases during most of 1988. With the large January rise in employment, the employment-population ratio--the proportion of the working-age population that is working--rose to a record 62.9 percent. (See table A-2.)

The civilian labor force rose by 870,000 after seasonal adjustment to 123.4 million. As a result, the labor force participation rate also was at a record level--66.5 percent. (See table A-2.)

Industry Payroll Employment (Establishment Survey Data)

The number of nonagricultural payroll jobs rose by 410,000 in January, on a seasonally adjusted basis, to a level of 108.0 million. Employment growth occurred in both the goods- and service-producing sectors, with the largest gains in construction and retail trade. These two industries undergo very large seasonal movements from December to January, often resulting in erratic seasonally adjusted changes. (See table B-1.)

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

Category	Quarterly averages		Monthly data			Dec.- Jan. change
	1988		1988		1989	
	III	IV	Nov.	Dec.	Jan.	
HOUSEHOLD DATA						
	Thousands of persons					
Labor force 1/.....	123,570	124,084	124,215	124,259	125,124	865
Total employment 1/..	116,892	117,539	117,652	117,705	118,407	702
Civilian labor force...	121,881	122,388	122,510	122,563	123,428	865
Civilian employment..	115,202	115,843	115,947	116,009	116,711	702
Unemployment.....	6,678	6,545	6,563	6,554	6,716	162
Not in labor force.....	62,959	62,865	62,734	62,839	62,216	-623
Discouraged workers..	941	951	N.A.	N.A.	N.A.	N.A.
	Percent of labor force					
Unemployment rates:						
All workers 1/.....	5.4	5.3	5.3	5.3	5.4	0.1
All civilian workers..	5.5	5.3	5.4	5.3	5.4	.1
Adult men.....	4.7	4.7	4.8	4.7	4.6	-.1
Adult women.....	4.9	4.7	4.7	4.7	4.7	0
Teenagers.....	15.3	14.6	14.1	14.8	16.4	1.6
White.....	4.8	4.6	4.6	4.6	4.6	0
Black.....	11.2	11.3	11.2	11.6	12.0	.4
Hispanic origin....	8.0	7.8	8.0	7.6	8.4	.8
ESTABLISHMENT DATA						
	Thousands of jobs					
Nonfarm employment....	106,478	p107,344	107,419	p107,640	p108,048	p408
Goods-producing.....	25,650	p25,828	25,849	p25,892	p26,040	p148
Service-producing....	80,828	p81,516	81,570	p81,748	p82,008	p260
	Hours of work					
Average weekly hours:						
Total private.....	34.7	p34.8	34.8	p34.7	p34.9	p0.2
Manufacturing.....	41.1	p41.1	41.2	p40.9	p41.0	p.1
Overtime.....	3.9	p3.9	3.9	p3.9	p3.9	p0

1/ Includes the resident Armed Forces.  
p=preliminary.

N.A.=not available.

In the goods-producing sector, manufacturing posted its fourth consecutive monthly gain, adding 45,000 jobs. Growth was split between durable and nondurable goods industries, with increases in fabricated metals, motor vehicle equipment, food processing, and printing and publishing. Aided by unseasonably warm weather across much of the country, construction employment declined less than usual from December to January, increasing by 100,000 on a seasonally adjusted basis.

Among the service-producing industries, retail trade had the largest over-the-month increase--135,000, seasonally adjusted. Wholesale trade continued to exhibit strength, with the addition of 35,000 jobs. Transportation and public utilities employment rose by 45,000, with most of the gain in transportation. The services industry saw a modest employment increase of 75,000; the health services component rose by 35,000, while business services experienced a small decline. After increasing in the prior 4 months, finance lost nearly 10,000 jobs in January.

#### Weekly Hours (Establishment Survey Data)

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls increased by 0.2 hour in January, seasonally adjusted, to 34.9 hours. The manufacturing workweek edged up 0.1 hour to 41.0 hours, and factory overtime remained at 3.9 hours. (See table B-2.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls, at 128.5 (1977=100), rose by 1.0 percent, after seasonal adjustment. The index for manufacturing increased by 0.7 percent to 97.3. (See table B-5.)

#### Hourly and Weekly Earnings (Establishment Survey Data)

Average hourly earnings of private production or nonsupervisory workers, which had shown relatively little change in the prior 2 months, climbed by 0.6 percent in January, seasonally adjusted. Average weekly earnings rose 1.2 percent. On an unadjusted basis, average hourly earnings increased by 9 cents to \$9.55, while weekly earnings edged down 67 cents to \$329.48. Over the year, both hourly and weekly earnings increased by about 4 percent. (See tables B-3 and B-4.)

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The Employment Situation for February 1989 will be released on Friday, March 10, at 8:30 A.M. (EST).

# Explanatory Note

This news release presents statistics from two major surveys, the Current Population Survey (household survey) and the Current Employment Statistics Survey (establishment survey). The household survey provides the information on the labor force, total employment, and unemployment that appears in the A tables, marked HOUSEHOLD DATA. It is a sample survey of about 55,800 households that is conducted by the Bureau of the Census with most of the findings analyzed and published by the Bureau of Labor Statistics (BLS).

The establishment survey provides the information on the employment, hours, and earnings of workers on nonagricultural payrolls that appears in the B tables, marked ESTABLISHMENT DATA. This information is collected from payroll records by BLS in cooperation with State agencies. The sample includes over 300,000 establishments employing over 38 million people.

For both surveys, the data for a given month are actually collected for and relate to a particular week. In the household survey, unless otherwise indicated, it is the calendar week that contains the 12th day of the month, which is called the survey week. In the establishment survey, the reference week is the pay period including the 12th, which may or may not correspond directly to the calendar week.

The data in this release are affected by a number of technical factors, including definitions, survey differences, seasonal adjustments, and the inevitable variance in results between a survey of a sample and a census of the entire population. Each of these factors is explained below.

## Coverage, definitions, and differences between surveys

The sample households in the household survey are selected so as to reflect the entire civilian noninstitutional population 16 years of age and older. Each person in a household is classified as employed, unemployed, or not in the labor force. Those who hold more than one job are classified according to the job at which they worked the most hours.

People are classified as *employed* if they did any work at all as paid civilians; worked in their own business or profession or on their own farm; or worked 15 hours or more in an enterprise operated by a member of their family, whether they were paid or not. People are also counted as employed if they were on unpaid leave because of illness, bad weather, disputes between labor and management, or personal reasons. Members of the Armed Forces stationed in the United States are also included in the employed total.

People are classified as *unemployed*, regardless of their eligibility for unemployment benefits or public assistance, if they meet all of the following criteria: They had no employment during the survey week; they were available for work at

that time; and they made specific efforts to find employment sometime during the prior 4 weeks. Persons laid off from their former jobs and awaiting recall and those expecting to report to a job within 30 days need not be looking for work to be counted as unemployed.

The *labor force* equals the sum of the number employed and the number unemployed. The *unemployment rate* is the percentage of unemployed people in the labor force (civilian plus the resident Armed Forces). Table A-5 presents a special grouping of seven measures of unemployment based on varying definitions of unemployment and the labor force. The definitions are provided in the table. The most restrictive definition yields U-1 and the most comprehensive yields U-7. The overall unemployment rate is U-5a, while U-5b represents the same measure with a civilian labor force base.

Unlike the household survey, the establishment survey only counts wage and salary employees whose names appear on the payroll records of nonagricultural firms. As a result, there are many differences between the two surveys, among which are the following:

- The household survey, although based on a smaller sample, reflects a larger segment of the population; the establishment survey excludes agriculture, the self-employed, unpaid family workers, private household workers, and members of the resident Armed Forces;

- The household survey includes people on unpaid leave among the employed; the establishment survey does not;

- The household survey is limited to those 16 years of age and older; the establishment survey is not limited by age;

- The household survey has no duplication of individuals, because each individual is counted only once; in the establishment survey, employees working at more than one job or otherwise appearing on more than one payroll would be counted separately for each appearance.

Other differences between the two surveys are described in "Comparing Employment Estimates from Household and Payroll Surveys," which may be obtained from the BLS upon request.

## Seasonal adjustment

Over the course of a year, the size of the Nation's labor force and the levels of employment and unemployment 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. For example, the labor force increases by a large number each June, when schools close and many young people enter the job market. The effect of such seasonal variation can be very large; over the course of a year, for example, seasonality may account for as much as 95 percent of the month-to-month changes in unemployment.

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 nonseasonal developments, such as declines in economic activity or increases in the participation of women in the labor force, easier to spot. To return to the school's-out example, the large number of people entering the labor force each June is likely to obscure any other changes that have taken place since May, making it difficult to determine if the level of economic activity has risen or declined. However, because the effect of students finishing school in previous years is known, the statistics for the current year can be adjusted to allow for a comparable change. Insofar as the seasonal adjustment is made correctly, the adjusted figure provides a more useful tool with which to analyze changes in economic activity.

Measures of labor force, employment, and unemployment contain components such as age and sex. Statistics for all employees, production workers, average weekly hours, and average hourly earnings include components based on the employer's industry. All these statistics can be seasonally adjusted either by adjusting the total or by adjusting each of the components and combining them. The second procedure usually yields more accurate information and is therefore followed by BLS. For example, the seasonally adjusted figure for the labor force is the sum of eight seasonally adjusted civilian employment components, plus the resident Armed Forces total (not adjusted for seasonality), and four seasonally adjusted unemployment components; the total for unemployment is the sum of the four unemployment components; and the overall unemployment rate is derived by dividing the resulting estimate of total unemployment by the estimate of the labor force.

The numerical factors used to make the seasonal adjustments are recalculated regularly. For the household survey, the factors are calculated for the January-June period and again for the July-December period. The January revision is applied to data that have been published over the previous 5 years. For the establishment survey, updated factors for seasonal adjustment are calculated only once a year, along with the introduction of new benchmarks which are discussed at the end of the next section.

### Sampling variability

Statistics based on the household and establishment surveys are subject to sampling error, that is, the estimate of the number of people employed and the other estimates drawn from these surveys probably differ from the figures that would be obtained from a complete census, even if the same questionnaires and procedures were used. In the household survey, the amount of the differences can be expressed in terms of standard errors. The numerical value of a standard error depends upon the size of the sample, the results of the survey, and other factors. However, the numerical value is always such that the chances are approximately 68 out of 100 that an estimate based on the sample will differ by no more than the standard error

from the results of a complete census. The chances are approximately 90 out of 100 that an estimate based on the sample will differ by no more than 1.6 times the standard error from the results of a complete census. At approximately the 90-percent level of confidence—the confidence limits used by BLS in its analyses—the error for the monthly change in total employment is on the order of plus or minus 358,000; for total unemployment it is 224,000; and, for the overall unemployment rate, it is 0.19 percentage point. These figures do not mean that the sample results are off by these magnitudes but, rather, that the chances are approximately 90 out of 100 that the “true” level or rate would not be expected to differ from the estimates by more than these amounts.

Sampling errors for monthly surveys are reduced when the data are cumulated for several months, such as quarterly or annually. Also, as a general rule, the smaller the estimate, the larger the sampling error. Therefore, relatively speaking, the estimate of the size of the labor force is subject to less error than is the estimate of the number unemployed. And, among the unemployed, the sampling error for the jobless rate of adult men, for example, is much smaller than is the error for the jobless rate of teenagers. Specifically, the error on monthly change in the jobless rate for men is .25 percentage point; for teenagers, it is 1.29 percentage points.

In the establishment survey, estimates for the 2 most current months are based on incomplete returns; for this reason, these estimates are labeled preliminary in the tables. When all the returns in the sample have been received, the estimates are revised. In other words, data for the month of September are published in preliminary form in October and November and in final form in December. To remove errors that build up over time, a comprehensive count of the employed is conducted each year. The results of this survey are used to establish new benchmarks—comprehensive counts of employment—against which month-to-month changes can be measured. The new benchmarks also incorporate changes in the classification of industries and allow for the formation of new establishments.

### Additional statistics and other information

In order to provide a broad view of the Nation's employment situation, BLS regularly publishes a wide variety of data in this news release. More comprehensive statistics are contained in *Employment and Earnings*, published each month by BLS. It is available for \$8.50 per issue or \$25.00 per year from the U.S. Government Printing Office, Washington, DC 20204. A check or money order made out to the Superintendent of Documents must accompany all orders.

*Employment and Earnings* also provides approximations of the standard errors for the household survey data published in this release. For unemployment and other labor force categories, the standard errors appear in tables B through J of its “Explanatory Notes.” Measures of the reliability of the data drawn from the establishment survey and the actual amounts of revision due to benchmark adjustments are provided in tables M, O, P, and Q of that publication.

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-1. Employment status of the population, including Armed Forces in the United States, by sex

(Numbers in thousands)

Employment status and sex	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>TOTAL</b>									
Noninstitutional population <sup>2</sup> .....	185,571	187,098	187,340	185,571	186,666	186,801	186,949	187,098	187,340
Labor force <sup>2</sup> .....	121,491	123,816	123,791	122,784	123,688	123,778	124,215	124,259	125,124
Participation rate <sup>3</sup> .....	65.5	66.2	66.1	66.2	66.3	66.3	66.4	66.4	66.8
Total employed <sup>2</sup> .....	113,888	117,674	116,482	115,804	117,074	117,260	117,652	117,705	118,407
Employment-population ratio <sup>4</sup> .....	61.4	62.9	62.2	62.4	62.7	62.8	62.9	62.9	63.2
Resident Armed Forces .....	1,749	1,696	1,696	1,749	1,704	1,687	1,705	1,696	1,696
Civilian employed .....	112,139	115,978	114,786	114,055	115,370	115,573	115,947	116,009	116,711
Agriculture .....	2,789	2,870	2,831	3,256	3,176	3,238	3,238	3,193	3,300
Nonagricultural industries .....	109,350	113,108	111,955	110,799	112,194	112,335	112,709	112,816	113,411
Unemployed .....	7,603	6,142	7,309	6,980	6,614	6,518	6,563	6,554	6,716
Unemployment rate <sup>5</sup> .....	6.3	5.0	5.9	5.7	5.3	5.3	5.3	5.3	5.4
Not in labor force .....	64,079	63,282	63,549	62,787	62,978	63,023	62,734	62,839	62,216
<b>Men, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	89,033	89,792	89,914	89,033	89,577	89,637	89,716	89,792	89,914
Labor force <sup>2</sup> .....	67,410	68,161	68,197	68,219	68,604	68,569	68,686	68,638	69,032
Participation rate <sup>3</sup> .....	75.7	75.9	75.8	76.6	76.6	76.5	76.6	76.4	76.8
Total employed <sup>2</sup> .....	63,046	64,645	63,944	64,420	65,015	64,976	65,074	65,055	65,322
Employment-population ratio <sup>4</sup> .....	70.8	72.0	71.1	72.4	72.6	72.5	72.5	72.5	72.6
Resident Armed Forces .....	1,588	1,534	1,532	1,588	1,540	1,526	1,542	1,534	1,532
Civilian employed .....	61,458	63,111	62,412	62,832	63,475	63,450	63,532	63,521	63,790
Unemployed .....	4,364	3,517	4,252	3,799	3,589	3,593	3,612	3,583	3,710
Unemployment rate <sup>5</sup> .....	6.5	5.2	6.2	5.6	5.2	5.2	5.3	5.2	5.4
<b>Women, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	96,538	97,306	97,427	96,538	97,089	97,164	97,234	97,306	97,427
Labor force <sup>2</sup> .....	54,082	55,655	55,594	54,565	55,084	55,209	55,529	55,621	56,091
Participation rate <sup>3</sup> .....	56.0	57.2	57.1	56.5	56.7	56.8	57.1	57.2	57.6
Total employed <sup>2</sup> .....	50,842	53,029	52,538	51,384	52,059	52,284	52,578	52,650	53,085
Employment-population ratio <sup>4</sup> .....	52.7	54.5	53.9	53.2	53.6	53.8	54.1	54.1	54.5
Resident Armed Forces .....	161	162	164	161	164	161	163	162	164
Civilian employed .....	50,681	52,867	52,374	51,223	51,895	52,123	52,415	52,488	52,921
Unemployed .....	3,239	2,625	3,057	3,181	3,025	2,925	2,951	2,971	3,006
Unemployment rate <sup>5</sup> .....	6.0	4.7	5.5	5.8	5.5	5.3	5.3	5.3	5.4

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

<sup>2</sup> Includes members of the Armed Forces stationed in the United States.

<sup>3</sup> Labor force as a percent of the noninstitutional population.

<sup>4</sup> Total employment as a percent of the noninstitutional population.

<sup>5</sup> Unemployment as a percent of the labor force (including the resident Armed Forces).

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-2. Employment status of the civilian population by sex and age

(Numbers in thousands)

Employment status, sex, and age	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>TOTAL</b>									
Civilian noninstitutional population .....	183,822	185,402	185,644	183,822	184,962	185,114	185,244	185,402	185,644
Civilian labor force .....	119,742	122,120	122,095	121,035	121,984	122,091	122,510	122,563	123,428
Participation rate .....	65.1	65.9	65.8	65.8	66.0	66.0	66.1	66.1	66.5
Employed .....	112,139	115,978	114,786	114,055	115,370	115,573	115,947	116,009	116,711
Employment-population ratio <sup>2</sup> .....	61.0	62.6	61.8	62.0	62.4	62.4	62.6	62.6	62.9
Unemployed .....	7,603	6,142	7,309	6,980	6,614	6,518	6,563	6,554	6,716
Unemployment rate .....	6.3	5.0	6.0	5.8	5.4	5.3	5.4	5.3	5.4
<b>Men, 20 years and over</b>									
Civilian noninstitutional population .....	80,120	81,001	81,162	80,120	80,751	80,851	80,924	81,001	81,162
Civilian labor force .....	62,031	62,792	62,926	62,421	62,884	62,915	62,995	63,002	63,358
Participation rate .....	77.4	77.5	77.5	77.9	77.9	77.8	77.8	77.8	78.1
Employed .....	58,357	59,858	59,442	59,315	59,979	60,004	59,999	60,049	60,420
Employment-population ratio <sup>2</sup> .....	72.8	73.9	73.2	74.0	74.3	74.2	74.1	74.1	74.4
Agriculture .....	2,077	2,120	2,054	2,302	2,249	2,315	2,313	2,292	2,277
Nonagricultural industries .....	56,280	57,738	57,387	57,013	57,730	57,689	57,686	57,757	58,143
Unemployed .....	3,674	2,934	3,485	3,106	2,905	2,911	2,996	2,953	2,938
Unemployment rate .....	5.9	4.7	5.5	5.0	4.6	4.6	4.8	4.7	4.6
<b>Women, 20 years and over</b>									
Civilian noninstitutional population .....	89,110	89,954	90,072	89,110	89,735	89,807	89,887	89,954	90,072
Civilian labor force .....	50,317	51,786	51,850	50,462	50,991	51,201	51,558	51,587	51,998
Participation rate .....	56.5	57.6	57.6	56.6	56.8	57.0	57.4	57.3	57.7
Employed .....	47,633	49,601	49,287	47,894	48,535	48,788	49,113	49,165	49,543
Employment-population ratio <sup>2</sup> .....	53.5	55.1	54.7	53.7	54.1	54.3	54.6	54.7	55.0
Agriculture .....	539	589	606	639	638	640	640	646	715
Nonagricultural industries .....	47,094	49,012	48,681	47,255	47,897	48,148	48,473	48,519	48,827
Unemployed .....	2,684	2,186	2,563	2,568	2,456	2,413	2,445	2,422	2,455
Unemployment rate .....	5.3	4.2	4.9	5.1	4.8	4.7	4.7	4.7	4.7
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population .....	14,592	14,447	14,410	14,592	14,477	14,456	14,433	14,447	14,410
Civilian labor force .....	7,394	7,542	7,319	8,152	8,109	7,975	7,957	7,974	8,071
Participation rate .....	50.7	52.2	50.8	55.9	56.0	55.2	55.1	55.2	56.0
Employed .....	6,150	6,519	6,057	6,846	6,856	6,781	6,835	6,795	6,748
Employment-population ratio <sup>2</sup> .....	42.1	45.1	42.0	46.9	47.4	46.9	47.4	47.0	46.8
Agriculture .....	173	161	171	315	289	283	285	255	307
Nonagricultural industries .....	5,977	6,358	5,886	6,531	6,567	6,498	6,550	6,540	6,441
Unemployed .....	1,244	1,023	1,261	1,306	1,253	1,194	1,122	1,179	1,323
Unemployment rate .....	16.8	13.6	17.2	16.0	15.5	15.0	14.1	14.8	16.4

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

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

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-3. Employment status of the civilian population by race, sex, age, and Hispanic origin

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>WHITE</b>									
Civilian noninstitutional population .....	157,676	158,705	158,865	157,676	158,422	158,524	158,603	158,705	158,865
Civilian labor force .....	103,120	104,972	105,020	104,188	105,036	105,051	105,395	105,411	106,106
Participation rate .....	65.4	66.1	66.1	66.1	66.3	66.3	66.5	66.4	66.8
Employed .....	97,311	100,423	99,506	99,011	100,058	100,199	100,543	100,567	101,183
Employment-population ratio <sup>2</sup> .....	61.7	63.3	62.6	62.8	63.2	63.2	63.4	63.4	63.7
Unemployed .....	5,809	4,549	5,514	5,177	4,978	4,852	4,852	4,844	4,923
Unemployment rate .....	5.6	4.3	5.3	5.0	4.7	4.6	4.6	4.6	4.6
<b>Men, 20 years and over</b>									
Civilian labor force .....	54,135	54,731	54,854	54,470	54,839	54,861	54,922	54,898	55,213
Participation rate .....	77.8	77.9	78.0	78.3	78.3	78.3	78.3	78.2	78.5
Employed .....	51,220	52,466	52,159	52,080	52,579	52,612	52,624	52,636	53,007
Employment-population ratio <sup>2</sup> .....	73.6	74.7	74.2	74.8	75.1	75.1	75.0	75.0	75.4
Unemployed .....	2,914	2,264	2,695	2,390	2,260	2,249	2,298	2,262	2,205
Unemployment rate .....	5.4	4.1	4.9	4.4	4.1	4.1	4.2	4.1	4.0
<b>Women, 20 years and over</b>									
Civilian labor force .....	42,545	43,748	43,803	42,677	43,191	43,298	43,625	43,644	43,936
Participation rate .....	55.8	57.0	57.0	56.0	56.4	56.5	56.9	56.9	57.2
Employed .....	40,610	42,218	41,948	40,869	41,413	41,583	41,889	41,930	42,201
Employment-population ratio <sup>2</sup> .....	53.3	55.0	54.6	53.6	54.1	54.2	54.6	54.6	54.9
Unemployed .....	1,935	1,530	1,854	1,808	1,778	1,715	1,736	1,714	1,734
Unemployment rate .....	4.5	3.5	4.2	4.2	4.1	4.0	4.0	3.9	3.9
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	6,441	6,494	6,363	7,041	7,006	6,892	6,848	6,869	6,958
Participation rate .....	54.2	55.4	54.5	59.2	59.4	58.5	58.3	58.6	59.6
Employed .....	5,481	5,739	5,399	6,062	6,066	6,004	6,030	6,001	5,975
Employment-population ratio <sup>2</sup> .....	46.1	49.0	46.2	51.0	51.4	51.0	51.3	51.2	51.1
Unemployed .....	960	755	964	979	940	888	818	868	983
Unemployment rate .....	14.9	11.6	15.2	13.9	13.4	12.9	11.9	12.6	14.1
Men .....	16.3	13.4	18.5	14.5	14.5	14.4	12.6	13.4	16.4
Women .....	13.4	9.8	11.7	13.3	12.3	11.3	11.3	11.8	11.7
<b>BLACK</b>									
Civilian noninstitutional population .....	20,539	20,842	20,877	20,539	20,762	20,786	20,811	20,842	20,877
Civilian labor force .....	12,967	13,367	13,275	13,174	13,201	13,290	13,330	13,405	13,477
Participation rate .....	63.1	64.1	63.6	64.1	63.6	63.9	64.1	64.3	64.6
Employed .....	11,417	11,938	11,705	11,570	11,758	11,807	11,831	11,856	11,860
Employment-population ratio <sup>2</sup> .....	55.6	57.3	56.1	56.3	56.6	56.8	56.8	56.9	56.8
Unemployed .....	1,550	1,428	1,570	1,604	1,443	1,483	1,499	1,549	1,617
Unemployment rate .....	12.0	10.7	11.8	12.2	10.9	11.2	11.2	11.6	12.0
<b>Men, 20 years and over</b>									
Civilian labor force .....	6,029	6,146	6,163	6,093	6,117	6,157	6,146	6,179	6,226
Participation rate .....	74.0	74.2	74.3	74.8	74.2	74.6	74.3	74.6	75.0
Employed .....	5,398	5,559	5,504	5,470	5,563	5,566	5,545	5,561	5,576
Employment-population ratio <sup>2</sup> .....	66.2	67.1	66.3	67.1	67.5	67.4	67.1	67.1	67.2
Unemployed .....	631	586	659	623	554	591	601	618	650
Unemployment rate .....	10.5	9.5	10.7	10.2	9.1	9.6	9.8	10.0	10.4
<b>Women, 20 years and over</b>									
Civilian labor force .....	6,189	6,375	6,357	6,206	6,174	6,234	6,280	6,316	6,369
Participation rate .....	60.6	61.4	61.1	60.7	59.8	60.2	60.6	60.9	61.2
Employed .....	5,528	5,773	5,712	5,524	5,575	5,620	5,663	5,654	5,706
Employment-population ratio <sup>2</sup> .....	54.1	55.6	54.9	54.1	54.0	54.3	54.6	54.5	54.9
Unemployed .....	661	602	645	682	599	614	617	662	663
Unemployment rate .....	10.7	9.4	10.1	11.0	9.7	9.8	9.8	10.5	10.4
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	749	846	755	875	910	899	904	910	881
Participation rate .....	34.5	38.8	34.7	40.3	41.7	41.2	41.5	41.7	40.5
Employed .....	492	606	490	576	620	621	623	641	577
Employment-population ratio <sup>2</sup> .....	22.7	27.8	22.5	26.5	28.4	28.5	28.6	29.4	26.5
Unemployed .....	257	240	265	299	290	278	281	269	304
Unemployment rate .....	34.4	28.3	35.1	34.2	31.9	30.9	31.1	29.6	34.5
Men .....	35.2	30.0	37.8	34.6	31.9	32.8	32.8	29.8	36.7
Women .....	33.5	26.6	32.3	33.7	31.9	28.6	29.9	29.3	32.0

See footnotes at end of table.



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

(Numbers in thousands)

Employment status, race, sex, age, and Hispanic origin	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>HISPANIC ORIGIN</b>									
Civilian noninstitutional population .....	13,115	13,533	13,564	13,115	13,419	13,458	13,495	13,533	13,564
Civilian labor force .....	8,758	9,053	9,110	8,862	9,061	9,075	9,148	9,133	9,205
Participation rate .....	66.8	66.9	67.2	67.6	67.5	67.4	67.8	67.5	67.9
Employed .....	8,040	8,402	8,274	8,199	8,378	8,368	8,419	8,441	8,434
Employment-population ratio <sup>2</sup> .....	61.3	62.1	61.0	62.5	62.4	62.2	62.4	62.4	62.2
Unemployed .....	718	651	836	663	683	707	729	692	771
Unemployment rate .....	8.2	7.2	9.2	7.5	7.5	7.8	8.0	7.6	8.4

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

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

population.

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

Table A-4. Selected employment indicators

(In thousands)

Category	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>CHARACTERISTIC</b>									
Civilian employed, 16 years and over .....	112,139	115,978	114,786	114,055	115,370	115,573	115,947	116,009	116,711
Married men, spouse present .....	40,000	40,599	40,475	40,438	40,513	40,504	40,407	40,483	40,925
Married women, spouse present .....	28,185	29,344	29,323	28,435	28,836	28,890	28,995	29,053	29,589
Women who maintain families .....	6,174	6,473	6,435	6,153	6,253	6,344	6,375	6,399	6,416
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>									
Agriculture:									
Wage and salary workers .....	1,368	1,507	1,420	1,629	1,612	1,661	1,672	1,698	1,684
Self-employed workers .....	1,325	1,247	1,287	1,427	1,421	1,405	1,450	1,349	1,387
Unpaid family workers .....	95	116	124	143	137	177	125	149	189
Nonagricultural industries:									
Wage and salary workers .....	101,065	104,231	103,158	102,413	103,501	103,733	103,770	103,904	104,510
Government .....	17,214	17,627	17,532	17,080	17,145	17,240	17,387	17,423	17,393
Private industries .....	83,851	86,604	85,626	85,333	86,356	86,493	86,383	86,481	87,117
Private households .....	1,071	1,173	1,116	1,146	1,119	1,152	1,209	1,210	1,196
Other industries .....	82,780	85,431	84,510	84,187	85,237	85,341	85,174	85,271	85,921
Self-employed workers .....	8,060	8,612	8,517	8,246	8,570	8,479	8,619	8,602	8,718
Unpaid family workers .....	226	264	280	241	230	232	300	266	298
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>									
All industries:									
Part time for economic reasons .....	5,394	5,239	5,138	5,355	5,097	4,963	5,061	5,321	5,097
Slack work .....	2,683	2,620	2,634	2,351	2,266	2,220	2,279	2,549	2,302
Could only find part-time work .....	2,405	2,323	2,150	2,630	2,389	2,399	2,375	2,410	2,352
Voluntary part time .....	14,906	16,420	15,755	14,580	15,270	15,161	15,446	15,363	15,401
Nonagricultural industries:									
Part time for economic reasons .....	5,191	4,961	4,914	5,113	4,862	4,727	4,819	5,033	4,837
Slack work .....	2,527	2,419	2,455	2,212	2,102	2,095	2,116	2,377	2,144
Could only find part-time work .....	2,363	2,258	2,112	2,554	2,317	2,319	2,288	2,307	2,283
Voluntary part time .....	14,491	16,019	15,374	14,115	14,819	14,679	14,986	14,928	14,970

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

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Table A-5. Range of unemployment measures based on varying definitions of unemployment and the labor force, seasonally adjusted

(Percent)

Measure	Quarterly averages					Monthly data		
	1987	1988				1988		1989
	IV	I	II	III	IV	Nov.	Dec.	Jan.
U-1 Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.5	1.4	1.3	1.3	1.2	1.2	1.2	1.2
U-2 Job losers as a percent of the civilian labor force .....	2.7	2.6	2.5	2.5	2.5	2.5	2.5	2.5
U-3 Unemployed persons 25 years and over as a percent of the civilian labor force .....	4.5	4.4	4.2	4.2	4.1	4.2	4.1	4.1
U-4 Unemployed full-time jobseekers as a percent of the full-time civilian labor force .....	5.5	5.3	5.1	5.1	5.0	5.0	5.1	5.0
U-5a Total unemployed as a percent of the labor force, including the resident Armed Forces .....	5.8	5.6	5.4	5.4	5.3	5.3	5.3	5.4
U-5b Total unemployed as a percent of the civilian labor force .....	5.9	5.7	5.5	5.5	5.3	5.4	5.3	5.4
U-6 Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part time for economic reasons as a percent of the civilian labor force less 1/2 of the part-time labor force .....	8.1	7.9	7.6	7.6	7.5	7.4	7.6	7.5
U-7 Total full-time jobseekers plus 1/2 part-time jobseekers plus 1/2 total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less 1/2 of the part-time labor force .....	8.9	8.7	8.3	8.4	8.2	N.A.	N.A.	N.A.

N.A. = not available.

Table A-6. Selected unemployment indicators, seasonally adjusted

Category	Number of unemployed persons (in thousands)			Unemployment rates <sup>1</sup>					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>CHARACTERISTIC</b>									
Total, 16 years and over .....	6,980	6,554	6,716	5.8	5.4	5.3	5.4	5.3	5.4
Men, 16 years and over .....	3,799	3,583	3,710	5.7	5.4	5.4	5.4	5.3	5.5
Men, 20 years and over .....	3,106	2,953	2,938	5.0	4.6	4.6	4.8	4.7	4.6
Women, 16 years and over .....	3,181	2,971	3,006	5.8	5.5	5.3	5.3	5.4	5.4
Women, 20 years and over .....	2,568	2,422	2,455	5.1	4.8	4.7	4.7	4.7	4.7
Both sexes, 16 to 19 years .....	1,306	1,179	1,323	16.0	15.5	15.0	14.1	14.8	16.4
Married men, spouse present .....	1,484	1,303	1,304	3.5	3.1	3.1	3.3	3.1	3.1
Married women, spouse present .....	1,221	1,111	1,115	4.1	3.8	3.7	3.8	3.7	3.6
Women who maintain families .....	593	571	557	8.8	8.1	7.9	7.7	8.2	8.0
Full-time workers .....	5,550	5,317	5,295	5.4	5.1	5.0	5.0	5.1	5.0
Part-time workers .....	1,458	1,258	1,445	8.3	7.4	7.4	7.1	7.0	7.9
Labor force time lost <sup>2</sup> .....	—	—	—	6.6	6.3	6.1	6.2	6.3	6.2
<b>INDUSTRY</b>									
Nonagricultural private wage and salary workers .....	5,260	4,927	5,177	5.8	5.4	5.4	5.5	5.4	5.6
Goods-producing industries .....	1,992	1,877	1,894	6.9	6.4	6.4	6.4	6.4	6.4
Mining .....	62	57	43	7.5	8.6	8.8	8.9	7.7	6.1
Construction .....	747	662	663	11.9	9.6	10.0	10.6	10.4	10.4
Manufacturing .....	1,183	1,158	1,189	5.5	5.4	5.3	5.1	5.2	5.3
Durable goods .....	680	656	661	5.3	5.2	5.0	4.9	5.0	5.0
Nondurable goods .....	503	502	528	5.8	5.8	5.7	5.3	5.5	5.7
Service-producing industries .....	3,268	3,050	3,283	5.3	5.0	4.9	5.1	4.9	5.2
Transportation and public utilities .....	238	241	245	3.7	3.8	3.5	4.0	3.8	3.8
Wholesale and retail trade .....	1,439	1,471	1,489	6.2	6.2	6.0	6.2	6.3	6.3
Finance and service industries .....	1,591	1,338	1,550	4.9	4.4	4.5	4.6	4.1	4.7
Government workers .....	536	477	486	3.0	2.7	2.6	2.5	2.7	2.7
Agricultural wage and salary workers .....	209	163	176	11.4	10.8	10.2	9.3	8.8	9.5

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

economic reasons as a percent of potentially available labor force hours.

<sup>2</sup> Aggregate hours lost by the unemployed and persons on part time for

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Table A-7. Duration of unemployment

(Numbers in thousands)

Weeks of unemployment	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>DURATION</b>									
Less than 5 weeks .....	3,395	2,701	3,464	3,118	3,116	3,059	3,117	3,029	3,181
5 to 14 weeks .....	2,397	2,045	2,258	2,214	1,896	1,835	1,935	2,039	2,081
15 weeks and over .....	1,811	1,396	1,586	1,728	1,568	1,554	1,502	1,495	1,512
15 to 26 weeks .....	904	701	817	838	775	788	787	758	757
27 weeks and over .....	907	696	770	890	793	766	715	737	755
Average (mean) duration, in weeks .....	13.8	13.2	12.3	14.2	13.5	13.4	12.6	12.8	12.7
Median duration, in weeks .....	6.2	6.1	5.6	6.3	5.7	5.7	5.6	5.8	5.7
<b>PERCENT DISTRIBUTION</b>									
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	44.6	44.0	47.4	44.2	47.4	47.4	47.6	46.2	47.0
5 to 14 weeks .....	31.5	33.3	30.9	31.4	28.8	28.5	29.5	31.1	30.7
15 weeks and over .....	23.8	22.7	21.7	24.5	23.8	24.1	22.9	22.8	22.3
15 to 26 weeks .....	11.9	11.4	11.2	11.9	11.8	12.2	12.0	11.5	11.2
27 weeks and over .....	11.9	11.3	10.5	12.6	12.1	11.9	10.9	11.2	11.1

Table A-8. Reason for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted			Seasonally adjusted					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>NUMBER OF UNEMPLOYED</b>									
Job losers .....	3,770	3,078	3,701	3,181	3,079	2,951	3,031	3,066	3,121
On layoff .....	1,272	866	1,210	872	833	844	814	819	827
Other job losers .....	2,498	2,212	2,491	2,309	2,246	2,107	2,217	2,247	2,294
Job leavers .....	1,133	903	1,067	1,046	985	984	963	998	985
Reentrants .....	1,940	1,523	1,866	1,907	1,767	1,747	1,766	1,725	1,835
New entrants .....	759	638	675	870	761	747	799	799	780
<b>PERCENT DISTRIBUTION</b>									
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	49.6	50.1	50.7	45.4	46.7	45.9	46.2	46.5	46.4
On layoff .....	16.7	14.1	16.6	12.5	12.6	13.1	12.4	12.4	12.3
Other job losers .....	32.9	36.0	34.1	33.0	34.1	32.8	33.8	34.1	34.1
Job leavers .....	14.9	14.7	14.6	14.9	14.9	15.3	14.7	15.1	14.7
Reentrants .....	25.5	24.8	25.5	27.2	26.8	27.2	26.9	26.2	27.3
New entrants .....	10.0	10.4	9.2	12.4	11.5	11.6	12.2	12.1	11.6
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers .....	3.2	2.5	3.0	2.6	2.5	2.4	2.5	2.5	2.5
Job leavers .....	.9	.7	.9	.9	.8	.8	.8	.8	.8
Reentrants .....	1.6	1.2	1.5	1.6	1.4	1.4	1.4	1.4	1.5
New entrants .....	.6	.5	.6	.7	.6	.6	.7	.7	.6

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Table A-9. Unemployed persons by sex and age, seasonally adjusted

Sex and age	Number of unemployed persons (in thousands)			Unemployment rates <sup>1</sup>					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
Total, 16 years and over .....	6,980	6,554	6,716	5.8	5.4	5.3	5.4	5.3	5.4
16 to 24 years .....	2,656	2,421	2,663	11.6	10.9	10.9	10.6	10.9	11.9
16 to 19 years .....	1,306	1,179	1,323	16.0	15.5	15.0	14.1	14.8	16.4
16 to 17 years .....	627	535	581	18.5	19.6	17.2	15.8	16.6	18.3
18 to 19 years .....	689	637	751	14.5	12.8	13.3	12.9	13.3	15.4
20 to 24 years .....	1,350	1,242	1,340	9.1	8.4	8.6	8.7	8.7	9.3
25 years and over .....	4,370	4,125	4,101	4.5	4.2	4.1	4.2	4.1	4.1
25 to 54 years .....	3,861	3,687	3,632	4.6	4.4	4.3	4.4	4.3	4.2
55 years and over .....	516	457	474	3.4	2.9	2.8	2.8	3.0	3.1
Men, 16 years and over .....	3,799	3,583	3,710	5.7	5.4	5.4	5.4	5.3	5.5
16 to 24 years .....	1,448	1,280	1,494	12.2	11.3	11.8	10.9	11.1	12.8
16 to 19 years .....	693	630	772	16.5	16.4	16.5	14.8	15.4	18.6
16 to 17 years .....	341	290	330	19.2	20.8	18.5	17.3	17.3	20.6
18 to 19 years .....	366	333	455	15.1	13.5	15.0	13.0	13.5	17.9
20 to 24 years .....	755	650	722	9.8	8.5	9.2	8.8	8.7	9.6
25 years and over .....	2,378	2,296	2,245	4.3	4.1	4.0	4.2	4.1	4.0
25 to 54 years .....	2,056	1,999	1,986	4.5	4.3	4.2	4.4	4.3	4.2
55 years and over .....	335	286	269	3.8	2.9	3.0	3.2	3.3	3.0
Women, 16 years and over .....	3,181	2,971	3,006	5.8	5.5	5.3	5.3	5.4	5.4
16 to 24 years .....	1,208	1,141	1,169	11.0	10.5	9.9	10.3	10.7	10.9
16 to 19 years .....	613	549	551	15.6	14.5	13.3	13.3	14.2	14.0
16 to 17 years .....	286	245	251	17.7	18.2	15.8	14.1	15.8	15.9
18 to 19 years .....	323	304	296	13.9	12.0	11.6	12.8	13.1	12.7
20 to 24 years .....	595	592	618	8.4	8.2	7.9	8.6	8.7	9.1
25 years and over .....	1,992	1,829	1,856	4.6	4.3	4.2	4.2	4.1	4.1
25 to 54 years .....	1,805	1,688	1,646	4.9	4.5	4.5	4.4	4.4	4.3
55 years and over .....	181	171	205	2.9	2.9	2.4	2.4	2.6	3.1

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

Table A-10. Employment status of black and other workers

(Numbers in thousands)

Employment status	Not seasonally adjusted			Seasonally adjusted <sup>1</sup>					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
Civilian noninstitutional population .....	26,146	26,697	26,779	26,146	26,540	26,590	26,641	26,697	26,779
Civilian labor force .....	16,622	17,148	17,075	16,853	16,910	17,070	17,079	17,172	17,283
Participation rate .....	63.6	64.2	63.8	64.5	63.7	64.2	64.1	64.3	64.5
Employed .....	14,828	15,555	15,279	15,014	15,301	15,394	15,365	15,457	15,449
Employment-population ratio <sup>2</sup> .....	56.7	58.3	57.1	57.4	57.7	57.9	57.7	57.9	57.7
Unemployed .....	1,794	1,593	1,795	1,839	1,609	1,676	1,714	1,715	1,833
Unemployment rate .....	10.8	9.3	10.5	10.9	9.5	9.8	10.0	10.0	10.6
Not in labor force .....	9,524	9,549	9,704	9,293	9,630	9,520	9,562	9,525	9,496

<sup>1</sup> The population figures are not adjusted for seasonal variation; therefore, identical numbers appear in the unadjusted and seasonally adjusted columns.<sup>2</sup> Civilian employment as a percent of the civilian noninstitutional population.

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Table A-11. Occupational status of the employed and unemployed, not seasonally adjusted

(Numbers in thousands)

Occupation	Civilian employed		Unemployed		Unemployment rate	
	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989
Total, 16 years and over <sup>1</sup> .....	112,139	114,786	7,603	7,309	6.3	6.0
Managerial and professional specialty .....	28,503	29,810	615	625	2.1	2.1
Executive, administrative, and managerial .....	13,579	14,476	333	403	2.4	2.7
Professional specialty .....	14,925	15,333	281	222	1.9	1.4
Technical, sales, and administrative support .....	35,213	35,430	1,616	1,608	4.4	4.3
Technicians and related support .....	3,466	3,585	119	105	3.3	2.8
Sales occupations .....	13,269	13,624	749	775	5.3	5.4
Administrative support, including clerical .....	18,478	18,221	748	729	3.9	3.8
Service occupations .....	15,136	15,473	1,260	1,167	7.7	7.0
Private household .....	877	902	51	49	5.5	5.1
Protective service .....	1,912	1,979	89	94	4.5	4.6
Service, except private household and protective .....	12,347	12,593	1,120	1,024	8.3	7.5
Precision production, craft, and repair .....	13,193	13,658	980	977	6.9	6.7
Mechanics and repairers .....	4,297	4,627	183	188	4.1	3.9
Construction trades .....	4,826	4,790	564	593	10.5	11.0
Other precision production, craft, and repair .....	4,069	4,241	233	196	5.4	4.4
Operators, fabricators, and laborers .....	17,207	17,574	1,998	1,944	10.4	10.0
Machine operators, assemblers, and inspectors .....	7,926	8,180	779	798	9.0	8.9
Transportation and material moving occupations .....	4,644	4,687	440	412	8.7	8.1
Handlers, equipment cleaners, helpers, and laborers .....	4,636	4,707	779	734	14.4	13.5
Construction laborers .....	658	626	283	204	30.1	24.5
Other handlers, equipment cleaners, helpers, and laborers .....	3,979	4,081	495	530	11.1	11.5
Farming, forestry, and fishing .....	2,888	2,841	331	287	10.3	9.2

<sup>1</sup> Persons with no previous work experience and those whose last job was in the Armed Forces are included in the unemployed total.

Table A-12. Employment status of male Vietnam-era veterans and nonveterans by age, not seasonally adjusted

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989	Jan. 1988	Jan. 1989
<b>VIETNAM-ERA VETERANS</b>										
Total, 30 years and over .....	7,865	7,916	7,207	7,254	6,840	6,969	367	285	5.1	3.9
30 to 44 years .....	6,054	5,701	5,739	5,404	5,433	5,189	306	215	5.3	4.0
30 to 34 years .....	794	582	750	530	704	514	46	16	6.1	3.0
35 to 39 years .....	2,365	1,937	2,258	1,868	2,112	1,781	146	87	6.5	4.7
40 to 44 years .....	2,895	3,182	2,731	3,006	2,617	2,894	114	112	4.2	3.7
45 years and over .....	1,811	2,215	1,468	1,850	1,407	1,780	61	70	4.2	3.8
<b>NONVETERANS</b>										
Total, 30 to 44 years .....	19,996	20,988	18,801	19,767	17,879	18,836	922	931	4.9	4.7
30 to 34 years .....	8,981	9,219	8,499	8,713	8,019	8,311	480	402	5.6	4.6
35 to 39 years .....	6,598	7,177	6,201	6,761	5,942	6,418	259	343	4.2	5.1
40 to 44 years .....	4,417	4,592	4,101	4,293	3,918	4,107	183	186	4.5	4.3

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

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

## HOUSEHOLD DATA

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Table A-13. Employment status of the civilian population for eleven large States

(Numbers in thousands)

State and employment status	Not seasonally adjusted <sup>1</sup>			Seasonally adjusted <sup>2</sup>					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>California</b>									
Civilian noninstitutional population .....	20,701	20,973	20,994	20,701	20,903	20,927	20,951	20,973	20,994
Civilian labor force .....	13,867	14,131	14,168	13,913	14,053	14,063	14,186	14,198	14,220
Employed .....	13,090	13,520	13,407	13,188	13,330	13,363	13,451	13,524	13,505
Unemployed .....	777	611	761	725	723	700	735	674	715
Unemployment rate .....	5.6	4.3	5.4	5.2	5.1	5.0	5.2	4.7	5.0
<b>Florida</b>									
Civilian noninstitutional population .....	9,576	9,819	9,839	9,576	9,755	9,777	9,798	9,819	9,839
Civilian labor force .....	5,922	6,094	6,052	6,019	6,133	6,170	6,144	6,085	6,155
Employed .....	5,626	5,766	5,693	5,720	5,831	5,862	5,823	5,755	5,793
Unemployed .....	296	327	358	299	302	308	321	330	362
Unemployment rate .....	5.0	5.4	5.9	5.0	4.9	5.0	5.2	5.4	5.9
<b>Illinois</b>									
Civilian noninstitutional population .....	8,735	8,712	8,709	8,735	8,720	8,718	8,716	8,712	8,709
Civilian labor force .....	5,722	5,796	5,791	5,765	5,745	5,771	5,844	5,817	5,837
Employed .....	5,300	5,436	5,419	5,371	5,395	5,388	5,433	5,429	5,491
Unemployed .....	422	360	372	394	350	383	411	388	346
Unemployment rate .....	7.4	6.2	6.4	6.8	6.1	6.6	7.0	6.7	5.9
<b>Massachusetts</b>									
Civilian noninstitutional population .....	4,593	4,598	4,598	4,593	4,598	4,598	4,598	4,598	4,598
Civilian labor force .....	3,104	3,127	3,139	3,133	3,139	3,151	3,153	3,150	3,166
Employed .....	2,986	3,033	3,020	3,031	3,043	3,047	3,032	3,043	3,063
Unemployed .....	118	94	119	102	96	104	121	107	103
Unemployment rate .....	3.8	3.0	3.8	3.3	3.1	3.3	3.8	3.4	3.3
<b>Michigan</b>									
Civilian noninstitutional population .....	6,985	7,063	7,069	6,985	7,043	7,050	7,057	7,063	7,069
Civilian labor force .....	4,438	4,638	4,589	4,536	4,611	4,615	4,652	4,648	4,687
Employed .....	3,965	4,310	4,230	4,097	4,274	4,282	4,310	4,306	4,364
Unemployed .....	473	329	358	439	337	333	342	342	323
Unemployment rate .....	10.7	7.1	7.8	9.7	7.3	7.2	7.4	7.4	6.9
<b>New Jersey</b>									
Civilian noninstitutional population .....	6,023	6,050	6,051	6,023	6,044	6,046	6,048	6,050	6,051
Civilian labor force .....	3,964	4,013	4,009	4,001	3,973	3,963	3,978	4,043	4,046
Employed .....	3,785	3,854	3,825	3,850	3,823	3,810	3,821	3,875	3,888
Unemployed .....	178	159	184	151	150	153	157	168	158
Unemployment rate .....	4.5	4.0	4.6	3.8	3.8	3.9	3.9	4.2	3.9
<b>New York</b>									
Civilian noninstitutional population .....	13,784	13,807	13,806	13,784	13,804	13,805	13,807	13,807	13,806
Civilian labor force .....	8,533	8,614	8,652	8,506	8,554	8,533	8,560	8,580	8,621
Employed .....	8,105	8,217	8,170	8,132	8,184	8,174	8,177	8,177	8,198
Unemployed .....	428	397	482	374	370	359	383	403	423
Unemployment rate .....	5.0	4.6	5.6	4.4	4.3	4.2	4.5	4.7	4.9
<b>North Carolina</b>									
Civilian noninstitutional population .....	4,864	4,959	4,967	4,864	4,934	4,943	4,951	4,959	4,967
Civilian labor force .....	3,255	3,358	3,381	3,307	3,358	3,387	3,386	3,371	3,435
Employed .....	3,089	3,247	3,231	3,158	3,237	3,254	3,266	3,254	3,302
Unemployed .....	166	111	150	149	121	133	120	117	133
Unemployment rate .....	5.1	3.3	4.4	4.5	3.6	3.9	3.5	3.5	3.9
<b>Ohio</b>									
Civilian noninstitutional population .....	8,207	8,281	8,286	8,207	8,263	8,269	8,276	8,281	8,286
Civilian labor force .....	5,275	5,352	5,384	5,324	5,311	5,349	5,366	5,355	5,426
Employed .....	4,899	5,066	5,015	4,981	5,004	5,049	5,059	5,060	5,094
Unemployed .....	376	286	369	343	307	300	307	295	332
Unemployment rate .....	7.1	5.4	6.9	6.4	5.8	5.6	5.7	5.5	6.1

See footnotes at end of table.

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-13. Employment status of the civilian population for eleven large States—Continued

(Numbers in thousands)

State and employment status	Not seasonally adjusted <sup>1</sup>			Seasonally adjusted <sup>2</sup>					
	Jan. 1988	Dec. 1988	Jan. 1989	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988	Jan. 1989
<b>Pennsylvania</b>									
Civilian noninstitutional population .....	9,337	9,400	9,404	9,337	9,385	9,390	9,396	9,400	9,404
Civilian labor force .....	5,745	5,806	5,884	5,814	5,827	5,744	5,779	5,816	5,947
Employed .....	5,388	5,562	5,592	5,489	5,523	5,436	5,510	5,543	5,689
Unemployed .....	357	244	292	325	304	308	269	273	258
Unemployment rate .....	6.2	4.2	5.0	5.6	5.2	5.4	4.7	4.7	4.3
<b>Texas</b>									
Civilian noninstitutional population .....	12,016	12,000	11,997	12,016	12,007	12,005	12,003	12,000	11,997
Civilian labor force .....	8,139	8,266	8,188	8,250	8,321	8,309	8,308	8,284	8,303
Employed .....	7,458	7,751	7,566	7,600	7,732	7,708	7,725	7,693	7,713
Unemployed .....	681	515	622	650	589	601	583	591	590
Unemployment rate .....	8.4	6.2	7.6	7.9	7.1	7.2	7.0	7.1	7.1

<sup>1</sup> These are the official Bureau of Labor Statistics' estimates used in the administration of Federal fund allocation programs.

<sup>2</sup> The population figures are not adjusted for seasonal variation; therefore, identical numbers appear in the unadjusted and the seasonally adjusted columns.

NOTE: The not seasonally adjusted data for 1988 have been revised to reflect the latest 1988 population estimates for the States. These revised estimates were used to develop seasonally adjusted data for 1988 and seasonal factors to be used in 1989.

Table B-1. Employees on nonagricultural payrolls by industry  
(In thousands)

Industry	Not seasonally adjusted				Seasonally adjusted					
	Jan. 1988	Nov. 1988	Dec. 1988p/	Jan. 1989p/	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988p/	Jan. 1989p/
Total.....	102,802	108,313	108,487	106,514	104,262	106,737	106,973	107,419	107,640	108,048
Total private.....	85,593	90,386	90,645	88,993	87,044	89,205	89,481	89,855	90,094	90,520
Goods-producing industries.....	24,595	26,088	25,869	25,414	25,180	25,648	25,743	25,849	25,892	26,040
Mining.....	722	731	724	713	728	734	729	722	719	719
Oil and gas extraction.....	418.0	412.4	410.5	405.7	414	419	413	406	402	402
Construction.....	4,642	5,559	5,382	5,056	5,083	5,365	5,366	5,413	5,436	5,538
General building contractors.....	1,276.6	1,445.7	1,415.5	1,355.6	1,365	1,404	1,393	1,406	1,414	1,446
Manufacturing.....	19,231	19,798	19,763	19,645	19,369	19,549	19,648	19,714	19,737	19,783
Production workers.....	13,101	13,549	13,503	13,400	13,225	13,332	13,412	13,465	13,474	13,524
Durable goods.....	11,332	11,682	11,679	11,610	11,393	11,537	11,595	11,637	11,650	11,672
Production workers.....	7,531	7,813	7,805	7,747	7,582	7,689	7,733	7,765	7,776	7,798
Lumber and wood products.....	729.1	767.5	760.8	748.6	754	753	760	767	772	774
Furniture and fixtures.....	537.9	547.0	545.4	541.8	536	538	540	541	540	540
Stone, clay, and glass products.....	563.1	594.6	586.4	572.0	583	585	588	590	593	593
Primary metal industries.....	768.8	794.0	795.0	794.8	768	787	794	796	794	794
Blast furnaces and basic steel products.....	279.3	280.9	280.3	280.3	279	280	282	282	279	280
Fabricated metal products.....	1,428.6	1,482.5	1,482.6	1,477.2	1,435	1,460	1,469	1,474	1,477	1,483
Machinery, except electrical.....	2,084.7	2,180.5	2,192.8	2,194.5	2,085	2,159	2,173	2,185	2,188	2,195
Electrical and electronic equipment.....	2,113.3	2,138.5	2,134.5	2,125.2	2,112	2,124	2,126	2,130	2,126	2,123
Transportation equipment.....	2,032.2	2,064.3	2,070.0	2,055.9	2,036	2,032	2,045	2,050	2,050	2,060
Motor vehicles and equipment.....	831.1	869.4	871.7	858.2	839	849	859	860	857	867
Instruments and related products.....	702.9	722.1	726.9	725.3	704	716	719	721	725	726
Miscellaneous manufacturing.....	371.1	391.3	384.2	375.1	380	383	381	383	385	384
Nondurable goods.....	7,899	8,116	8,084	8,035	7,976	8,012	8,053	8,077	8,087	8,111
Production workers.....	5,570	5,736	5,698	5,653	5,643	5,643	5,679	5,700	5,698	5,726
Food and kindred products.....	1,597.9	1,675.8	1,644.5	1,615.7	1,647	1,632	1,654	1,661	1,654	1,666
Tobacco manufactures.....	57.0	54.6	54.3	53.4	55	51	52	53	52	51
Textile mill products.....	728.5	725.4	724.3	722.7	732	722	722	723	724	726
Apparel and other textile products.....	1,096.6	1,100.5	1,095.2	1,089.0	1,105	1,087	1,086	1,093	1,095	1,097
Paper and allied products.....	682.0	692.8	692.9	690.1	685	688	691	691	692	694
Printing and publishing.....	1,536.5	1,590.8	1,598.0	1,595.2	1,538	1,575	1,581	1,583	1,592	1,597
Chemicals and allied products.....	1,040.3	1,071.8	1,073.8	1,073.9	1,047	1,069	1,071	1,073	1,076	1,080
Petroleum and coal products.....	163.2	168.5	166.1	164.3	166	168	169	169	168	167
Rubber and misc. plastics products.....	852.4	888.8	889.8	886.2	854	874	882	887	889	887
Leather and leather products.....	144.9	146.8	145.2	144.1	147	146	145	144	145	146
Service-producing industries.....	78,207	82,225	82,618	81,100	79,082	81,089	81,230	81,570	81,748	82,008
Transportation and public utilities.....	5,437	5,693	5,713	5,650	5,499	5,618	5,631	5,658	5,667	5,713
Transportation.....	3,210	3,444	3,467	3,406	3,261	3,366	3,380	3,407	3,419	3,458
Communication and public utilities.....	2,227	2,249	2,246	2,244	2,238	2,252	2,251	2,251	2,248	2,255
Wholesale trade.....	5,965	6,292	6,312	6,286	6,010	6,219	6,246	6,275	6,300	6,333
Durable goods.....	3,537	3,762	3,782	3,776	3,555	3,714	3,736	3,758	3,778	3,795
Nondurable goods.....	2,428	2,530	2,530	2,510	2,455	2,505	2,510	2,517	2,522	2,538
Retail trade.....	18,639	19,692	20,068	19,267	18,927	19,291	19,327	19,401	19,427	19,560
General merchandise stores.....	2,589.2	2,708.2	2,850.9	2,619.2	2,526	2,533	2,520	2,533	2,539	2,555
Food stores.....	2,995.3	3,195.3	3,243.5	3,188.4	3,014	3,110	3,143	3,157	3,177	3,208
Automotive dealers and service stations.....	2,014.9	2,099.5	2,095.4	2,084.8	2,038	2,095	2,103	2,106	2,106	2,108
Eating and drinking places.....	5,968.3	6,381.7	6,390.5	6,168.7	6,260	6,384	6,415	6,440	6,449	6,466
Finance, insurance, and real estate.....	6,579	6,700	6,722	6,681	6,633	6,692	6,708	6,725	6,743	6,755
Finance.....	3,300	3,304	3,319	3,311	3,308	3,300	3,308	3,314	3,326	3,318
Insurance.....	2,049	2,090	2,097	2,096	2,052	2,083	2,089	2,092	2,099	2,098
Real estate.....	1,230	1,306	1,306	1,274	1,273	1,309	1,311	1,319	1,318	1,319
Services.....	24,378	25,921	25,961	25,695	24,795	25,737	25,826	25,947	26,065	26,139
Business services.....	5,239.4	5,602.2	5,629.1	5,511.2	5,321	5,538	5,553	5,563	5,607	5,595
Health services.....	7,002.6	7,406.7	7,450.9	7,484.6	7,019	7,323	7,365	7,414	7,466	7,500
Government.....	17,209	17,927	17,842	17,521	17,218	17,532	17,492	17,564	17,546	17,528
Federal.....	2,953	2,971	2,990	2,982	2,973	2,989	2,989	2,989	2,999	3,003
State.....	3,975	4,192	4,156	4,028	4,006	4,086	4,070	4,074	4,071	4,056
Local.....	10,281	10,764	10,696	10,511	10,239	10,457	10,433	10,501	10,476	10,469

p = preliminary.



Table B-2. Average weekly hours of production or nonsupervisory workers<sup>1/</sup> on private nonagricultural payrolls by industry

Industry	Not seasonally adjusted				Seasonally adjusted					
	Jan. 1988	Nov. 1988	Dec. 1988p/	Jan. 1989p/	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988p/	Jan. 1989p/
Total private.....	34.4	34.7	34.9	34.5	34.7	34.7	34.9	34.8	34.7	34.9
Mining.....	42.1	41.9	42.8	42.8	(2)	(2)	(2)	(2)	(2)	(2)
Construction.....	35.9	37.7	37.2	36.6	(2)	(2)	(2)	(2)	(2)	(2)
Manufacturing.....	41.0	41.5	41.7	40.9	41.1	41.2	41.2	41.2	40.9	41.0
Overtime hours.....	3.8	4.1	4.2	3.8	3.9	3.9	4.0	3.9	3.9	3.9
Durable goods.....	41.6	42.2	42.5	41.7	41.6	41.9	41.9	41.9	41.6	41.7
Overtime hours.....	3.9	4.4	4.5	4.0	4.0	4.0	4.2	4.2	4.1	4.1
Lumber and wood products.....	39.5	40.0	40.4	39.7	40.2	39.9	40.7	40.3	40.3	40.4
Furniture and fixtures.....	38.9	39.8	40.5	39.3	39.6	39.6	39.4	39.4	39.2	40.1
Stone, clay, and glass products.....	40.9	42.6	42.2	41.8	42.0	42.3	42.5	42.6	42.4	42.9
Primary metal industries.....	43.5	43.9	44.0	43.4	43.4	44.0	43.8	43.7	43.5	43.3
Blast furnaces and basic steel products..	43.9	44.0	44.1	43.8	44.0	44.6	44.3	44.0	43.6	43.8
Fabricated metal products.....	41.8	42.5	42.7	41.9	41.8	42.0	41.9	42.2	41.7	41.9
Machinery, except electrical.....	42.8	42.8	43.4	42.5	42.7	42.7	42.6	42.5	42.3	42.4
Electrical and electronic equipment.....	41.3	41.4	41.9	40.8	41.1	41.0	41.0	41.0	40.8	40.6
Transportation equipment.....	42.4	43.6	43.9	43.0	42.0	43.3	43.3	43.3	42.7	42.7
Motor vehicles and equipment.....	42.5	44.6	44.9	43.8	42.1	44.5	44.2	44.6	43.4	43.4
Instruments and related products.....	41.8	42.0	42.0	41.3	41.8	41.6	41.9	41.6	41.0	41.3
Miscellaneous manufacturing.....	38.9	39.7	39.7	39.4	39.1	39.2	39.1	39.2	38.9	39.6
Non-durable goods.....	40.2	40.5	40.6	40.0	40.3	40.2	40.2	40.2	40.0	40.1
Overtime hours.....	3.7	3.8	3.8	3.5	3.8	3.7	3.8	3.6	3.6	3.6
Food and kindred products.....	40.5	40.9	41.0	40.4	40.6	40.3	40.6	40.6	40.4	40.5
Tobacco manufactures.....	39.2	40.3	39.8	38.1	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products.....	41.3	41.4	41.3	40.5	41.5	41.1	41.0	41.0	40.7	40.7
Apparel and other textile products.....	36.6	37.3	37.1	36.7	36.8	37.1	36.8	37.0	36.6	37.0
Paper and allied products.....	43.5	43.4	43.8	42.5	43.4	43.3	43.2	43.1	42.9	42.4
Printing and publishing.....	37.8	38.1	38.4	37.7	38.1	38.1	38.0	37.8	37.7	38.0
Chemicals and allied products.....	42.5	42.6	43.0	42.5	42.5	42.1	42.5	42.4	42.4	42.5
Petroleum and coal products.....	44.2	44.2	44.2	44.2	(2)	(2)	(2)	(2)	(2)	(2)
Rubber and misc. plastics products.....	41.8	41.9	42.1	41.7	41.7	41.6	41.5	41.7	41.3	41.6
Leather and leather products.....	37.6	37.4	38.2	37.8	38.0	37.5	37.9	37.3	37.6	38.2
Transportation and public utilities.....	39.0	39.3	39.5	39.1	39.5	39.4	39.4	39.2	39.4	39.5
Wholesale trade.....	37.9	38.0	38.2	38.1	38.1	38.1	38.1	38.0	38.0	38.3
Retail trade.....	28.3	28.8	29.5	28.6	29.0	28.9	29.2	29.0	29.1	29.3
Finance, insurance, and real estate.....	36.2	35.7	35.8	36.3	(2)	(2)	(2)	(2)	(2)	(2)
Services.....	32.4	32.5	32.5	32.5	32.6	32.6	32.8	32.6	32.6	32.7

<sup>1/</sup> Data relate to production workers in mining and manufacturing; construction workers in construction; and nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance; insurance, and real estate; and services. These groups account for approximately four-fifths of the total employees on private nonagricultural payrolls.

<sup>2/</sup> These series are 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.  
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			
	Jan. 1988	Nov. 1988	Dec. 1988 <sup>p/</sup>	Jan. 1989 <sup>p/</sup>	Jan. 1988	Nov. 1988	Dec. 1988 <sup>p/</sup>	Jan. 1989 <sup>p/</sup>
Total private.....	\$9.18	\$9.46	\$9.46	\$9.55	\$315.79	\$328.26	\$330.15	\$329.48
Seasonally adjusted.....	9.14	9.42	9.44	9.50	317.16	327.82	327.57	331.55
Mining.....	12.77	12.83	12.96	13.07	537.62	537.58	554.69	559.40
Construction.....	12.99	13.04	13.16	13.23	466.34	491.61	489.55	484.22
Manufacturing.....	10.07	10.30	10.37	10.38	412.87	427.45	432.43	424.54
Durable goods.....	10.60	10.85	10.91	10.90	440.96	457.87	463.68	456.53
Lumber and wood products.....	8.51	8.68	8.76	8.75	336.15	347.20	353.90	347.38
Furniture and fixtures.....	7.80	8.00	8.04	8.05	303.42	318.40	325.62	316.37
Stone, clay, and glass products.....	10.35	10.61	10.57	10.61	423.32	451.99	446.05	443.50
Primary metal industries.....	12.06	12.23	12.27	12.24	524.61	536.90	539.88	531.22
Blast furnaces and basic steel products..	13.82	14.01	14.08	14.02	606.70	616.44	620.93	614.08
Fabricated metal products.....	10.12	10.35	10.42	10.42	423.02	439.88	444.93	436.60
Machinery, except electrical.....	10.85	11.17	11.20	11.17	464.38	478.08	486.08	474.73
Electrical and electronic equipment.....	10.02	10.24	10.29	10.31	413.83	423.94	431.15	420.65
Transportation equipment.....	13.22	13.60	13.70	13.63	560.53	592.96	601.43	586.09
Motor vehicles and equipment.....	13.94	14.25	14.40	14.30	592.45	635.55	646.56	626.34
Instruments and related products.....	9.93	10.05	10.11	10.18	415.07	422.10	424.62	420.43
Miscellaneous manufacturing.....	7.97	8.09	8.17	8.18	310.03	321.17	324.35	322.29
Nondurable goods.....	9.32	9.53	9.61	9.64	374.66	385.97	390.17	385.60
Food and kindred products.....	9.06	9.16	9.26	9.29	366.93	374.64	379.66	375.32
Tobacco manufactures.....	13.79	14.43	14.57	14.43	540.57	581.53	579.89	549.78
Textile mill products.....	7.34	7.47	7.52	7.58	303.14	309.26	310.58	306.99
Apparel and other textile products.....	6.02	6.23	6.27	6.31	220.33	232.38	232.62	231.58
Paper and allied products.....	11.54	11.72	11.78	11.78	501.99	508.65	515.96	500.65
Printing and publishing.....	10.38	10.68	10.72	10.75	392.56	406.91	411.65	405.28
Chemicals and allied products.....	12.55	12.87	12.95	12.92	533.38	548.26	556.85	549.10
Petroleum and coal products.....	14.89	15.25	15.29	15.30	658.14	674.05	675.82	676.26
Rubber and misc. plastics products.....	9.00	9.22	9.28	9.37	376.20	386.32	390.69	390.73
Leather and leather products.....	6.16	6.42	6.43	6.50	231.62	240.11	245.63	245.70
Transportation and public utilities.....	12.16	12.46	12.42	12.50	474.24	489.68	490.59	488.75
Wholesale trade.....	9.78	10.05	10.12	10.23	370.66	381.90	386.58	389.76
Retail trade.....	6.24	6.43	6.41	6.47	176.59	185.18	189.10	185.04
Finance, insurance, and real estate.....	8.96	9.27	9.32	9.50	324.35	330.94	333.66	344.85
Services.....	8.81	9.10	9.15	9.26	285.44	295.75	297.38	300.95

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

p = preliminary.

Table B-4. Average hourly earnings of production or nonsupervisory workers<sup>1/</sup> on private nonagricultural payrolls by industry, seasonally adjusted

Industry	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988 <sup>p/</sup>	Jan. 1989 <sup>p/</sup>	Percent change from: Dec. 1988-Jan. 1989
Total private <sup>2/</sup> :							
Current dollars.....	\$9.14	\$9.37	\$9.43	\$9.42	\$9.44	\$9.50	0.6
Constant (1977) dollars <sup>3/</sup> .....	4.85	4.83	4.84	4.83	4.82	N.A.	(4)
Construction.....	12.91	13.04	13.03	13.01	13.09	\$13.15	.5
Manufacturing.....	10.02	10.26	10.28	10.29	10.31	10.33	.2
Excluding overtime <sup>5/</sup> .....	9.57	9.78	9.81	9.83	9.85	9.87	.2
Transportation and public utilities	12.14	12.37	12.43	12.37	12.35	12.49	1.1
Wholesale trade.....	9.75	10.01	10.13	10.04	10.08	10.20	1.2
Retail trade.....	6.20	6.34	6.37	6.42	6.41	6.43	.3
Finance, insurance, and real estate	8.92	9.18	9.36	9.26	9.37	9.45	.9
Services.....	8.72	8.99	9.06	9.04	9.09	9.16	.8

<sup>1/</sup> See footnote 1, table B-2.<sup>2/</sup> Includes mining, not shown separately, because its seasonal component is too small to be separated out with sufficient precision.<sup>3/</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is used to deflate this series.<sup>4/</sup> Change was -0.2 percent from November 1988 to December 1988, the latest month available.<sup>5/</sup> Derived by assuming that overtime hours are paid at the rate of time and one-half.

N.A. = not available.

p = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-5. Indexes of aggregate weekly hours of production or nonsupervisory workers<sup>1/</sup> on private nonagricultural payrolls by industry

(1977=100)

Industry	Not seasonally adjusted				Seasonally adjusted					
	Jan. 1988	Nov. 1988	Dec. 1988 <sup>p/</sup>	Jan. 1989 <sup>p/</sup>	Jan. 1988	Sept. 1988	Oct. 1988	Nov. 1988	Dec. 1988 <sup>p/</sup>	Jan. 1989 <sup>p/</sup>
Total private.....	119.5	127.7	128.9	124.7	123.0	126.0	127.1	127.1	127.2	128.5
Goods-producing industries.....	96.9	105.8	104.8	100.6	100.5	103.1	104.0	104.5	103.6	104.5
Mining.....	81.3	82.7	83.4	81.8	81.7	82.8	83.5	80.9	81.5	82.2
Construction.....	114.9	149.2	141.2	128.0	132.1	143.4	145.3	147.5	144.8	147.0
Manufacturing.....	94.2	98.5	98.7	96.2	95.2	96.3	96.9	97.2	96.6	97.3
Durable goods.....	92.0	96.8	97.4	94.8	92.7	94.6	95.2	95.6	95.0	95.6
Lumber and wood products.....	97.5	104.1	104.0	100.6	103.0	101.7	104.8	104.7	105.4	106.3
Furniture and fixtures.....	112.2	117.3	119.0	114.5	113.7	114.2	114.2	114.5	113.6	116.2
Stone, clay, and glass products.....	80.6	89.9	87.3	84.0	86.5	87.5	88.3	88.9	88.9	89.9
Primary metal industries.....	66.8	70.2	70.6	69.6	66.5	69.7	70.1	70.0	69.3	69.2
Blast furnaces and basic steel products..	53.8	54.6	54.7	54.3	53.9	55.0	55.1	54.8	53.8	54.3
Fabricated metal products.....	90.5	95.9	96.3	94.1	90.9	93.1	93.6	94.6	93.6	94.7
Machinery, except electrical.....	90.4	94.7	97.0	94.8	90.0	93.2	93.7	94.3	94.3	94.5
Electrical and electronic equipment.....	102.8	105.5	106.3	103.1	102.2	103.1	103.4	103.7	102.9	102.4
Transportation equipment.....	98.4	102.7	103.7	100.6	97.5	100.2	100.7	100.8	99.3	99.9
Motor vehicles and equipment.....	84.7	94.1	95.0	90.7	84.7	91.4	91.9	92.6	89.8	90.6
Instruments and related products.....	105.7	110.3	111.3	108.9	106.0	107.9	109.5	109.0	108.0	109.1
Miscellaneous manufacturing.....	80.3	87.5	85.0	82.5	83.4	84.2	83.1	83.6	83.6	85.7
Nondurable goods.....	97.5	101.1	100.7	98.4	99.0	98.7	99.4	99.7	99.1	100.0
Food and kindred products.....	98.1	105.5	102.7	99.0	102.2	100.1	102.7	103.3	102.0	103.4
Tobacco manufactures.....	79.7	77.0	75.5	70.2	77.2	69.1	69.7	72.7	69.4	68.0
Textile mill products.....	81.6	81.3	81.1	79.1	82.5	80.4	80.2	80.2	79.8	80.0
Apparel and other textile products.....	83.9	86.3	85.3	83.9	85.1	84.5	83.9	84.9	84.2	85.4
Paper and allied products.....	101.3	102.3	103.0	99.8	101.6	101.4	101.3	101.3	100.8	100.0
Printing and publishing.....	133.5	139.3	140.9	137.5	134.9	137.5	137.6	137.2	137.3	138.9
Chemicals and allied products.....	96.4	99.6	100.4	99.6	97.4	98.4	99.7	99.4	99.4	100.5
Petroleum and coal products.....	83.1	86.2	85.0	82.9	86.3	86.1	87.3	86.3	86.5	85.5
Rubber and misc. plastics products.....	121.1	127.1	127.8	126.5	120.9	123.9	124.7	126.0	125.2	126.3
Leather and leather products.....	56.0	56.3	56.9	56.0	57.5	55.8	56.4	55.1	56.0	57.3
Service-producing industries.....	131.9	139.8	142.2	138.1	135.5	138.7	139.9	139.6	140.2	141.7
Transportation and public utilities.....	109.8	116.3	117.2	114.8	112.6	114.6	115.0	115.2	116.0	117.2
Wholesale trade.....	120.4	127.9	129.0	128.1	122.2	126.9	127.4	127.7	128.1	129.9
Retail trade.....	119.0	128.0	134.1	123.8	124.0	125.7	127.2	126.7	127.3	129.1
Finance, insurance, and real estate.....	139.8	139.7	140.5	141.8	141.3	140.6	141.2	140.4	140.0	143.2
Services.....	152.6	162.5	163.0	161.0	156.5	162.0	163.5	163.2	164.0	164.9

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

p = preliminary.

Table B-6. Diffusion indexes of employment change, seasonally adjusted  
(Percent)

Time span	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept	Oct.	Nov.	Dec.
Private nonagricultural payrolls, 349 industries <sup>1/</sup>												
Over 1-month span:												
1987.....	57.4	58.3	59.9	64.6	61.3	61.6	68.6	60.6	62.3	67.6	63.9	65.0
1988.....	60.3	64.6	64.0	63.0	58.9	66.6	62.3	56.2	54.0	62.5	68.9	p/61.2
1989.....	p/62.5											
Over 3-month span:												
1987.....	61.3	62.2	67.3	68.9	69.3	69.8	71.5	72.5	72.1	73.4	74.5	68.2
1988.....	70.6	68.8	68.3	67.2	69.1	69.8	68.8	61.9	62.6	68.3	p/71.6	p/73.4
1989.....												
Over 6-month span:												
1987.....	69.2	66.3	66.3	70.1	72.5	75.2	76.9	77.4	78.5	74.2	74.4	75.6
1988.....	72.2	71.5	70.8	74.2	72.2	69.1	68.8	74.5	p/70.9	p/72.8		
1989.....												
Over 12-month span:												
1987.....	68.1	70.3	71.1	74.1	76.6	77.2	77.4	77.8	79.1	78.7	77.8	80.5
1988.....	77.2	78.1	74.2	73.9	75.6	p/75.9	p/77.2					
1989.....												
Manufacturing payrolls, 143 industries <sup>1/</sup>												
Over 1-month span:												
1987.....	46.8	52.5	53.9	56.4	58.9	55.7	67.7	56.0	64.2	64.2	64.2	61.0
1988.....	58.2	55.7	55.7	60.6	57.4	61.3	60.3	44.0	46.8	61.7	68.1	p/56.0
1989.....	p/59.9											
Over 3-month span:												
1987.....	50.7	50.7	58.5	63.8	63.5	68.4	69.5	73.8	70.2	74.1	74.5	67.0
1988.....	66.0	61.0	62.8	64.5	66.7	68.8	61.3	52.1	53.5	65.6	p/70.2	p/69.1
1989.....												
Over 6-month span:												
1987.....	58.5	57.1	57.1	66.7	69.1	74.5	75.5	76.6	79.4	74.1	72.7	72.3
1988.....	68.4	67.0	66.0	70.9	66.0	63.8	62.1	68.8	p/65.6	p/65.6		
1989.....												
Over 12-month span:												
1987.....	59.6	63.5	64.5	68.8	73.0	73.8	75.2	75.2	75.9	75.9	75.2	79.1
1988.....	74.1	72.3	68.8	70.6	72.0	p/70.9	p/70.6					
1989.....												

<sup>1/</sup> Based on seasonally adjusted data for 1-, 3-, and 6-month spans and unadjusted data for the 12-month span. Data are centered within the span.  
p/ = preliminary.

NOTE: Figures are the percent of industries with employment increasing plus one-half of the industries with unchanged employment, where 50 percent indicates an equal balance between industries with increasing and decreasing employment.