

# News

United States  
Department  
of Labor



Bureau of Labor Statistics

Washington, D.C. 20212

Technical information (202) 523-1371  
523-1944  
523-1959  
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USDL 90-125

TRANSMISSION OF MATERIAL IN THIS  
RELEASE IS EMBARGOED UNTIL  
8:30 A.M. (EST), FRIDAY,  
MARCH 9, 1990

## THE EMPLOYMENT SITUATION: FEBRUARY 1990

Employment rose and unemployment held steady, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. The overall jobless rate was 5.2 percent and the civilian worker rate was 5.3 percent. These have changed very little in the last year and a half.

Payroll employment, as measured by the survey of nonfarm business establishments, rose by about 370,000 in February, on a seasonally adjusted basis, to 110.3 million. The large increase reflected the return of temporarily laid-off workers in automobile manufacturing, milder-than-normal weather which aided construction activity, and continued strength in services. Total civilian employment, as measured by the household survey, rose slightly in February.

### Unemployment (Household Survey Data)

The number of unemployed persons was about unchanged in February at 6.6 million, seasonally adjusted. The civilian worker unemployment rate, at 5.3 percent, has been the same for 9 consecutive months. (See table A-2.)

The jobless rate for blacks dropped to 10.5 percent in February, reflecting improvement among adult black men. Jobless rates for other major worker groups--adult men (4.6 percent), adult women (4.8 percent), teenagers (14.8 percent), and whites (4.6 percent)--were about unchanged. (See tables A-2 and A-3.) The unemployment rate for auto workers, which had soared to 20 percent in January because of temporary plant shutdowns, fell back to 8 percent in February.

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

Total civilian employment edged up in February to 118.0 million, seasonally adjusted, and the employment-population ratio was essentially unchanged at 63 percent, about where it has held for the past year.

The civilian labor force (124.6 million) also rose by a small amount over the month, and the labor force participation rate (66.5 percent) was little changed. Over the past year, the labor force has increased by 1.5 million, with the participation rate remaining relatively steady around the 66-percent mark. (See table A-2.)

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

Category	Quarterly averages		Monthly data			Jan.- Feb. change
	1989		1989	1990		
	III	IV	Dec.	Jan.	Feb.	
<b>HOUSEHOLD DATA</b>						
	Thousands of persons					
Labor force 1/.....	125,720	126,098	126,246	126,094	126,308	214
Total employment 1/..	119,153	119,474	119,588	119,560	119,713	153
Civilian labor force...	124,035	124,394	124,546	124,397	124,630	233
Civilian employment...	117,468	117,770	117,888	117,863	118,035	172
Unemployment.....	6,567	6,624	6,658	6,535	6,594	59
Not in labor force....	62,567	62,624	62,619	62,896	62,782	-114
Discouraged workers...	817	827	N.A.	N.A.	N.A.	N.A.
	Percent of labor force					
Unemployment rates:						
All workers 1/.....	5.2	5.3	5.3	5.2	5.2	.0
All civilian workers:	5.3	5.3	5.3	5.3	5.3	.0
Adult men.....	4.6	4.6	4.6	4.7	4.6	-0.1
Adult women.....	4.7	4.8	4.8	4.6	4.8	.2
Teenagers.....	15.0	15.2	15.2	14.5	14.8	.3
White.....	4.5	4.5	4.6	4.5	4.6	.1
Black.....	11.3	11.8	11.8	11.3	10.5	-.8
Hispanic origin...	8.6	8.1	8.5	7.1	7.8	.7
<b>ESTABLISHMENT DATA</b>						
	Thousands of jobs					
Nonfarm employment....	108,917	109,398	109,570	p109,902	p110,274	p372
Goods-producing.....	25,659	25,581	25,532	p25,513	p25,664	p151
Service-producing...	83,258	83,816	84,038	p84,389	p84,610	p221
	Hours of work					
Average weekly hours:						
Total private.....	34.7	34.6	34.5	p34.5	p34.6	p.1
Manufacturing.....	41.0	40.7	40.6	p40.7	p40.7	p.0
Overtime.....	3.8	3.7	3.6	p3.7	p3.6	p-.1

1/ Includes the resident Armed Forces.

N.A.=not available.

p=preliminary

### Industry Payroll Employment (Establishment Survey Data)

Total payroll employment rose by 370,000 in February, after seasonal adjustment, to a level of 110.3 million. The gain reflected a rebound in auto employment, favorable weather for construction and other outdoor activities, and strong increases in services. (See table B-1.)

Manufacturing employment increased by 90,000 in February, seasonally adjusted, following steady declines over the past year. The gain resulted from the recall of workers in the auto industry, as many plants reopened after January shutdowns. A related rebound took place in fabricated metals employment, which was up by 10,000 over the month, after declining by 20,000 in the prior month. Otherwise, factory employment was weak, as evidenced by the diffusion index of employment change that was below 10 percent for the fourth straight month. Weakness was particularly apparent in nondurables where declines occurred in six industries, including textiles, apparel, and rubber and plastics. (See tables B-1 and B-6.)

Elsewhere in the goods-producing sector, construction employment rose by 60,000, after seasonal adjustment, as the unusually mild weather experienced in January continued into the February reference period, leading to fewer layoffs than usual for the second month in a row. Mining employment was about unchanged in February; the industry has added 40,000 jobs since last July.

In the service-producing sector, the services industry added 145,000 jobs for the second straight month, after seasonal adjustment, which were broadly distributed among the various component industries, such as health, business, personal, and social services. Smaller increases occurred in transportation and public utilities (20,000) and finance, insurance, and real estate (15,000). Trade employment was little changed in February.

### Weekly Hours (Establishment Survey Data)

The workweek for production or nonsupervisory workers on private nonfarm payrolls edged up 0.1 hour in February to 34.6 hours, seasonally adjusted. The average workweek in manufacturing was unchanged at 40.7 hours, and factory overtime moved down 0.1 hour to 3.6 hours. (See table B-2.)

The index of aggregate weekly hours of private production or nonsupervisory workers rose by 0.7 percent in February to 130.3 (1977=100), after seasonal adjustment. The index for manufacturing, at 94.4, also rose 0.7 percent, reversing a similar decline in January. (See table B-5.)

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

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls increased by 0.5 percent in February, seasonally adjusted, after showing little movement in January. Average weekly

earnings rose by 0.8 percent. Before seasonal adjustment, average hourly earnings increased 3 cents to \$9.90, and average weekly earnings rose \$2.02 to \$339.57. Over the year, both hourly and weekly earnings increased by 3.7 percent. (See tables B-3 and B-4.)

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The Employment Situation for March 1990 will be released on Friday, April 6, at 8:30 A.M. (EDT).

# 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 60,000 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. For the establishment survey, updated factors for seasonal adjustment are calculated for 6 months, along with the introduction of new benchmarks, which are discussed at the end of the next section, and again with the release of data for October. In both surveys, revisions to data published over the previous 5 years are made once a year.

### **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, D.C., 20234. 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 <sup>1</sup>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>TOTAL</b>									
Noninstitutional population <sup>2</sup> .....	187,461	188,990	189,090	187,461	188,580	188,721	188,865	188,990	189,090
Labor force <sup>3</sup> .....	123,590	124,990	125,120	124,801	125,857	126,192	126,246	126,094	126,308
Participation rate <sup>3</sup> .....	65.9	66.1	66.2	66.6	66.7	66.9	66.8	66.7	66.8
Total employed <sup>4</sup> .....	116,707	117,734	117,986	118,441	119,294	119,540	119,588	119,560	119,713
Employment-population ratio <sup>4</sup> .....	62.3	62.3	62.4	63.2	63.3	63.3	63.3	63.3	63.3
Resident Armed Forces .....	1,684	1,697	1,678	1,684	1,709	1,704	1,700	1,697	1,678
Civilian employed .....	115,023	116,037	116,308	116,757	117,585	117,836	117,888	117,863	118,035
Agriculture .....	2,795	2,720	2,693	3,196	3,197	3,160	3,197	3,134	3,079
Nonagricultural industries .....	112,228	113,317	113,615	113,561	114,388	114,676	114,691	114,728	114,957
Unemployed .....	6,883	7,256	7,134	6,360	6,563	6,652	6,658	6,535	6,594
Unemployment rate <sup>5</sup> .....	5.8	5.8	5.7	5.1	5.2	5.3	5.3	5.2	5.2
Not in labor force .....	63,871	64,000	63,970	62,660	62,723	62,529	62,619	62,896	62,782
<b>Men, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	89,973	90,772	90,822	89,973	90,535	90,608	90,678	90,772	90,822
Labor force <sup>3</sup> .....	68,273	68,844	68,885	69,033	69,599	69,635	69,725	69,539	69,639
Participation rate <sup>3</sup> .....	75.9	75.8	75.8	76.7	76.9	76.9	76.9	76.6	76.7
Total employed <sup>4</sup> .....	64,233	64,602	64,799	65,529	66,046	66,011	66,143	65,943	66,108
Employment-population ratio <sup>4</sup> .....	71.4	71.2	71.3	72.8	73.0	72.9	72.9	72.6	72.8
Resident Armed Forces .....	1,521	1,523	1,506	1,521	1,533	1,529	1,525	1,523	1,506
Civilian employed .....	62,712	63,079	63,293	64,008	64,513	64,482	64,618	64,420	64,602
Unemployed .....	4,040	4,242	4,087	3,504	3,553	3,624	3,582	3,597	3,530
Unemployment rate <sup>5</sup> .....	5.9	6.2	5.9	5.1	5.1	5.2	5.1	5.2	5.1
<b>Women, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	97,488	98,218	98,268	97,488	98,045	98,115	98,187	98,218	98,268
Labor force <sup>3</sup> .....	55,317	56,145	56,235	55,768	56,258	56,557	56,521	56,555	56,669
Participation rate <sup>3</sup> .....	56.7	57.2	57.2	57.2	57.4	57.6	57.6	57.6	57.7
Total employed <sup>4</sup> .....	52,474	53,132	53,188	52,912	53,248	53,529	53,445	53,617	53,805
Employment-population ratio <sup>4</sup> .....	53.8	54.1	54.1	54.3	54.3	54.6	54.4	54.6	54.5
Resident Armed Forces .....	163	174	172	163	176	175	175	174	172
Civilian employed .....	52,311	52,958	53,016	52,749	53,072	53,354	53,270	53,443	53,433
Unemployed .....	2,843	3,014	3,047	2,856	3,010	3,028	3,076	2,938	3,064
Unemployment rate <sup>5</sup> .....	5.1	5.4	5.4	5.1	5.4	5.4	5.4	5.2	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 <sup>1</sup>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>TOTAL</b>									
Civilian noninstitutional population .....	185,777	187,293	187,412	185,777	186,871	187,017	187,165	187,293	187,412
Civilian labor force .....	121,906	123,293	123,442	123,117	124,148	124,488	124,546	124,397	124,630
Participation rate .....	65.6	65.8	65.9	66.3	66.4	66.6	66.5	66.4	66.5
Employed .....	115,023	116,037	116,308	116,757	117,585	117,836	117,888	117,863	118,035
Employment-population ratio <sup>2</sup> .....	61.9	62.0	62.1	62.8	62.9	63.0	63.0	62.9	63.0
Unemployed .....	6,883	7,256	7,134	6,360	6,563	6,652	6,658	6,535	6,594
Unemployment rate .....	5.6	5.9	5.8	5.2	5.3	5.3	5.3	5.3	5.3
<b>Men, 20 years and over</b>									
Civilian noninstitutional population .....	81,256	82,168	82,248	81,256	81,905	81,968	82,055	82,168	82,248
Civilian labor force .....	63,031	63,654	63,760	63,393	63,918	63,967	64,071	63,958	64,101
Participation rate .....	77.6	77.5	77.5	78.0	78.0	78.0	78.1	77.8	77.9
Employed .....	58,681	60,042	60,286	60,566	61,026	61,033	61,154	60,976	61,172
Employment-population ratio <sup>2</sup> .....	73.4	73.1	73.3	74.5	74.5	74.5	74.5	74.2	74.4
Agriculture .....	2,065	2,040	2,015	2,312	2,304	2,292	2,293	2,269	2,254
Nonagricultural industries .....	57,616	58,002	58,270	58,254	58,722	58,741	58,861	58,706	58,918
Unemployed .....	3,350	3,612	3,474	2,827	2,892	2,934	2,917	2,983	2,929
Unemployment rate .....	5.3	5.7	5.4	4.5	4.5	4.6	4.6	4.7	4.6
<b>Women, 20 years and over</b>									
Civilian noninstitutional population .....	90,153	91,091	91,157	90,153	90,860	90,952	91,042	91,091	91,157
Civilian labor force .....	51,675	52,575	52,689	51,816	52,281	52,541	52,586	52,686	52,814
Participation rate .....	57.3	57.7	57.8	57.5	57.5	57.8	57.8	57.8	57.9
Employed .....	49,279	50,025	50,129	49,455	49,796	50,043	50,048	50,255	50,287
Employment-population ratio <sup>2</sup> .....	54.7	54.9	55.0	54.9	54.8	55.0	55.0	55.2	55.2
Agriculture .....	578	513	524	646	641	624	618	594	582
Nonagricultural industries .....	48,702	49,512	49,605	48,809	49,155	49,419	49,430	49,661	49,704
Unemployed .....	2,396	2,550	2,560	2,361	2,485	2,498	2,538	2,431	2,527
Unemployment rate .....	4.6	4.9	4.9	4.6	4.8	4.8	4.8	4.6	4.8
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population .....	14,367	14,034	14,008	14,367	14,107	14,097	14,067	14,034	14,008
Civilian labor force .....	7,199	7,063	6,993	7,908	7,949	7,980	7,889	7,752	7,715
Participation rate .....	50.1	50.3	49.9	55.0	56.3	56.6	56.1	55.2	55.1
Employed .....	6,062	5,970	5,893	6,736	6,763	6,760	6,686	6,631	6,577
Employment-population ratio <sup>2</sup> .....	42.2	42.5	42.1	46.9	47.9	48.0	47.5	47.3	47.0
Agriculture .....	152	167	154	238	252	244	286	270	243
Nonagricultural industries .....	5,910	5,803	5,740	6,498	6,511	6,516	6,400	6,361	6,334
Unemployed .....	1,137	1,093	1,100	1,172	1,186	1,220	1,203	1,121	1,138
Unemployment rate .....	15.8	15.5	15.7	14.8	14.9	15.3	15.2	14.5	14.8

<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 <sup>1</sup>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>WHITE</b>									
Civilian noninstitutional population .....	158,947	159,938	160,007	158,947	159,644	159,736	159,832	159,938	160,007
Civilian labor force .....	104,758	105,906	106,113	105,760	106,618	106,834	106,896	106,884	107,080
Participation rate .....	65.9	66.2	66.3	66.5	66.8	66.9	66.9	66.8	66.9
Employed .....	99,747	100,419	100,689	101,187	101,862	101,991	102,032	102,074	102,117
Employment-population ratio <sup>2</sup> .....	62.8	62.8	62.9	63.7	63.8	63.8	63.8	63.8	63.8
Unemployed .....	5,012	5,486	5,425	4,573	4,756	4,843	4,864	4,811	4,962
Unemployment rate .....	4.8	5.2	5.1	4.3	4.5	4.5	4.6	4.5	4.6
<b>Men, 20 years and over</b>									
Civilian labor force .....	54,920	55,464	55,554	55,217	55,626	55,676	55,747	55,771	55,815
Participation rate .....	78.0	78.0	78.1	78.4	78.5	78.5	78.5	78.4	78.4
Employed .....	52,399	52,703	52,851	53,105	53,483	53,482	53,580	53,560	53,547
Employment-population ratio <sup>2</sup> .....	74.4	74.1	74.3	75.4	75.5	75.4	75.5	75.3	75.2
Unemployed .....	2,521	2,761	2,703	2,112	2,143	2,194	2,167	2,211	2,268
Unemployment rate .....	4.6	5.0	4.9	3.8	3.9	3.9	3.9	4.0	4.1
<b>Women, 20 years and over</b>									
Civilian labor force .....	43,657	44,379	44,513	43,762	44,207	44,360	44,469	44,475	44,615
Participation rate .....	56.8	57.2	57.4	56.9	57.1	57.3	57.4	57.4	57.5
Employed .....	42,008	42,504	42,654	42,137	42,437	42,586	42,641	42,718	42,782
Employment-population ratio <sup>2</sup> .....	54.6	54.8	55.0	54.8	54.9	55.0	55.0	55.1	55.2
Unemployed .....	1,649	1,875	1,860	1,625	1,770	1,774	1,828	1,757	1,833
Unemployment rate .....	3.8	4.2	4.2	3.7	4.0	4.0	4.1	4.0	4.1
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	6,182	6,063	6,046	6,781	6,785	6,798	6,680	6,639	6,650
Participation rate .....	53.0	53.6	53.7	58.2	59.4	59.7	58.9	58.7	59.0
Employed .....	5,340	5,213	5,184	5,945	5,942	5,923	5,811	5,796	5,788
Employment-population ratio <sup>2</sup> .....	45.8	46.1	46.0	51.0	52.0	52.0	51.2	51.3	51.4
Unemployed .....	841	850	862	836	843	875	869	843	862
Unemployment rate .....	13.6	14.0	14.3	12.3	12.4	12.9	13.0	12.7	13.0
Men .....	16.4	15.4	15.1	13.9	13.8	14.3	14.0	12.9	12.7
Women .....	10.6	12.6	13.3	10.7	10.9	11.3	11.9	12.4	13.2
<b>BLACK</b>									
Civilian noninstitutional population .....	20,905	21,163	21,188	20,905	21,108	21,136	21,164	21,163	21,188
Civilian labor force .....	13,303	13,351	13,292	13,443	13,507	13,576	13,522	13,510	13,437
Participation rate .....	63.6	63.1	62.7	64.3	64.0	64.2	63.9	63.8	63.4
Employed .....	11,655	11,821	11,798	11,883	11,923	11,954	11,920	11,978	12,030
Employment-population ratio <sup>2</sup> .....	55.8	55.9	55.7	56.8	56.5	56.6	56.3	56.6	56.8
Unemployed .....	1,648	1,530	1,494	1,560	1,584	1,622	1,602	1,532	1,407
Unemployment rate .....	12.4	11.5	11.2	11.6	11.7	11.9	11.8	11.3	10.5
<b>Men, 20 years and over</b>									
Civilian labor force .....	6,153	6,152	6,132	6,187	6,234	6,247	6,244	6,189	6,172
Participation rate .....	74.0	73.0	72.8	74.4	74.2	74.2	74.0	73.5	73.3
Employed .....	5,432	5,425	5,474	5,558	5,593	5,587	5,569	5,496	5,603
Employment-population ratio <sup>2</sup> .....	65.3	64.4	65.0	66.9	66.6	66.4	66.0	65.2	66.6
Unemployed .....	721	727	658	629	641	660	675	693	569
Unemployment rate .....	11.7	11.8	10.7	10.2	10.3	10.6	10.8	11.2	9.2
<b>Women, 20 years and over</b>									
Civilian labor force .....	6,327	6,411	6,417	6,333	6,336	6,373	6,311	6,393	6,423
Participation rate .....	60.7	60.7	60.7	60.8	60.2	60.4	59.7	60.5	60.7
Employed .....	5,669	5,819	5,792	5,699	5,706	5,722	5,681	5,802	5,821
Employment-population ratio <sup>2</sup> .....	54.4	55.1	54.7	54.7	54.2	54.2	53.8	54.9	55.0
Unemployed .....	658	593	625	634	630	651	630	591	602
Unemployment rate .....	10.4	9.2	9.7	10.0	9.9	10.2	10.0	9.2	9.4
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	822	788	744	923	937	956	967	928	842
Participation rate .....	37.8	36.3	34.0	42.4	43.0	44.0	44.6	42.8	38.5
Employed .....	553	577	532	626	624	645	670	680	606
Employment-population ratio <sup>2</sup> .....	25.4	26.6	24.3	28.8	28.6	29.7	30.9	31.3	27.7
Unemployed .....	269	210	211	297	313	311	297	248	236
Unemployment rate .....	32.7	26.7	28.4	32.2	33.4	32.5	30.7	26.7	28.0
Men .....	35.2	30.3	31.2	32.6	32.0	32.3	30.1	29.2	28.5
Women .....	30.0	22.7	25.5	31.7	34.9	32.7	31.4	24.0	27.5

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 <sup>1</sup>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>HISPANIC ORIGIN</b>									
Civilian noninstitutional population .....	13,606	14,080	14,119	13,606	13,936	13,977	14,019	14,080	14,119
Civilian labor force .....	9,129	9,322	9,347	9,192	9,339	9,424	9,495	9,440	9,400
Participation rate .....	67.1	66.2	66.2	67.6	67.0	67.4	67.7	67.0	66.6
Employed .....	8,441	8,585	8,562	8,549	8,595	8,672	8,691	8,769	8,666
Employment-population ratio <sup>2</sup> .....	62.0	61.0	60.6	62.8	61.7	62.0	62.0	62.3	61.4
Unemployed .....	688	738	785	643	744	752	804	671	734
Unemployment rate .....	7.5	7.9	8.4	7.0	8.0	8.0	8.5	7.1	7.8

<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					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>CHARACTERISTIC</b>									
Civilian employed, 16 years and over .....	115,023	116,037	116,308	116,757	117,585	117,836	117,888	117,863	118,035
Married men, spouse present .....	40,314	40,654	40,768	40,880	40,839	40,886	41,041	40,982	41,347
Married women, spouse present .....	29,265	29,656	29,615	29,379	29,544	29,767	29,695	29,897	29,704
Women who maintain families .....	6,391	6,259	6,384	6,381	6,354	6,351	6,349	6,215	6,376
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>									
Agriculture:									
Wage and salary workers .....	1,416	1,394	1,363	1,644	1,678	1,687	1,677	1,634	1,578
Self-employed workers .....	1,284	1,250	1,253	1,411	1,406	1,373	1,369	1,354	1,375
Unpaid family workers .....	95	75	77	146	124	122	125	107	118
Nonagricultural industries:									
Wage and salary workers .....	103,644	104,510	104,930	104,815	105,504	105,960	105,643	105,747	106,117
Government .....	17,623	17,820	17,906	17,318	17,595	17,681	17,728	17,626	17,607
Private industries .....	86,021	86,690	87,024	87,497	87,909	88,279	87,915	88,121	88,510
Private households .....	1,056	974	956	1,131	987	1,051	1,077	1,035	1,021
Other industries .....	84,965	85,716	86,068	86,366	86,922	87,228	86,838	87,086	87,489
Self-employed workers .....	8,321	8,567	8,404	8,541	8,610	8,528	8,653	8,733	8,628
Unpaid family workers .....	262	240	282	290	280	264	251	256	313
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>									
All industries:									
Part time for economic reasons .....	4,996	5,043	4,897	4,987	4,767	4,803	4,802	4,983	4,887
Slack work .....	2,554	2,717	2,551	2,314	2,314	2,297	2,277	2,402	2,307
Could only find part-time work .....	2,153	2,052	2,036	2,339	2,082	2,162	2,106	2,255	2,211
Voluntary part time .....	15,958	15,289	16,196	15,150	15,368	15,254	15,388	14,931	15,381
Nonagricultural industries:									
Part time for economic reasons .....	4,725	4,814	4,712	4,722	4,526	4,552	4,554	4,729	4,703
Slack work .....	2,343	2,536	2,404	2,129	2,168	2,132	2,111	2,240	2,183
Could only find part-time work .....	2,102	2,009	2,010	2,272	2,021	2,097	2,051	2,172	2,173
Voluntary part time .....	15,584	14,921	15,804	14,707	14,936	14,805	14,983	14,515	14,924

<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.

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		
	1988	1989				1989	1990	
	IV	I	II	III	IV	Dec.	Jan.	Feb.
U-1 Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
U-2 Job losers as a percent of the civilian labor force .....	2.4	2.4	2.3	2.4	2.5	2.5	2.6	2.5
U-3 Unemployed persons 25 years and over as a percent of the civilian labor force for persons 25 years and over .....	4.1	4.0	4.0	4.0	4.1	4.1	4.2	4.2
U-4 Unemployed full-time jobseekers as a percent of the full-time civilian labor force .....	5.0	4.9	4.9	5.0	5.0	5.0	5.0	4.9
U-5a Total unemployed as a percent of the labor force, including the resident Armed Forces .....	5.2	5.1	5.2	5.2	5.3	5.3	5.2	5.2
U-5b Total unemployed as a percent of the civilian labor force .....	5.3	5.2	5.3	5.3	5.3	5.3	5.3	5.3
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 .....	7.4	7.2	7.3	7.2	7.2	7.3	7.3	7.2
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 .....	8.2	7.9	8.0	7.9	7.9	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>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>CHARACTERISTIC</b>									
Total, 16 years and over .....	6,360	6,535	6,594	5.2	5.3	5.3	5.3	5.3	5.3
Men, 16 years and over .....	3,504	3,597	3,530	5.2	5.2	5.3	5.3	5.3	5.2
Men, 20 years and over .....	2,827	2,983	2,929	4.5	4.5	4.6	4.6	4.7	4.6
Women, 16 years and over .....	2,856	2,938	3,064	5.1	5.4	5.4	5.5	5.2	5.4
Women, 20 years and over .....	2,361	2,431	2,527	4.6	4.8	4.8	4.8	4.6	4.8
Both sexes, 16 to 19 years .....	1,172	1,121	1,138	14.8	14.9	15.3	15.2	14.5	14.8
Married men, spouse present .....	1,280	1,421	1,295	3.0	3.0	3.1	3.0	3.4	3.0
Married women, spouse present .....	1,047	1,162	1,173	3.4	3.9	3.8	3.9	3.7	3.8
Women who maintain families .....	556	503	518	8.0	7.8	8.2	8.1	7.5	7.5
Full-time workers .....	5,054	5,300	5,238	4.8	4.9	5.0	5.0	5.0	4.9
Part-time workers .....	1,298	1,251	1,345	7.2	7.1	7.4	7.5	7.0	7.4
Labor force time lost <sup>2</sup> .....	—	—	—	6.0	5.9	5.9	6.0	6.0	5.9
<b>INDUSTRY</b>									
Nonagricultural private wage and salary workers .....	4,809	5,160	5,126	5.2	5.3	5.4	5.4	5.5	5.5
Goods-producing industries .....	1,796	1,979	1,938	6.1	6.2	6.3	6.5	6.7	6.6
Mining .....	55	53	36	7.6	4.8	6.2	4.4	6.8	4.8
Construction .....	644	623	599	10.0	9.3	9.8	9.8	9.3	8.9
Manufacturing .....	1,097	1,304	1,303	4.9	5.4	5.4	5.6	5.9	5.9
Durable goods .....	590	773	722	4.5	5.2	5.4	5.4	5.8	5.5
Nondurable goods .....	507	531	581	5.5	5.6	5.3	5.9	5.9	6.4
Service-producing industries .....	3,013	3,181	3,189	4.8	4.9	5.0	4.9	5.0	5.0
Transportation and public utilities .....	249	271	259	3.9	3.9	3.6	3.4	4.3	4.0
Wholesale and retail trade .....	1,319	1,484	1,453	5.7	5.9	6.4	6.3	6.2	6.0
Finance and service industries .....	1,445	1,426	1,477	4.3	4.3	4.3	4.2	4.3	4.4
Government workers .....	482	428	443	2.7	2.7	2.7	2.6	2.4	2.5
Agricultural wage and salary workers .....	164	166	161	9.1	9.8	12.1	9.7	9.2	9.3

<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					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>DURATION</b>									
Less than 5 weeks .....	3,117	3,447	3,067	3,212	3,166	3,258	3,302	3,119	3,159
5 to 14 weeks .....	2,329	2,294	2,555	1,894	1,995	1,991	2,013	2,012	2,079
15 weeks and over .....	1,436	1,514	1,511	1,300	1,378	1,422	1,362	1,430	1,369
15 to 26 weeks .....	768	833	845	660	743	765	730	777	731
27 weeks and over .....	668	682	666	640	635	657	632	653	638
Average (mean) duration, in weeks .....	12.3	11.7	11.7	12.3	11.7	11.6	11.5	12.1	11.7
Median duration, in weeks .....	6.0	5.1	5.9	5.4	5.0	4.8	4.8	5.1	5.4
<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 .....	45.3	47.5	43.0	50.1	48.4	48.8	49.5	47.5	47.8
5 to 14 weeks .....	33.8	31.6	35.8	29.6	30.5	29.8	30.1	30.7	31.5
15 weeks and over .....	20.9	20.9	21.2	20.3	21.1	21.3	20.4	21.8	20.7
15 to 26 weeks .....	11.2	11.5	11.8	10.3	11.4	11.5	10.9	11.8	11.1
27 weeks and over .....	9.7	9.4	9.3	10.0	9.7	9.8	9.5	9.9	9.7

Table A-8. Reason for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted			Seasonally adjusted					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>NUMBER OF UNEMPLOYED</b>									
Job losers .....	3,382	3,819	3,646	2,879	2,979	3,092	3,097	3,183	3,103
On layoff .....	1,042	1,543	1,282	783	780	969	957	1,033	964
Other job losers .....	2,340	2,276	2,365	2,096	2,199	2,123	2,140	2,150	2,139
Job leavers .....	1,005	1,113	1,030	980	994	1,049	1,055	1,018	1,006
Reentrants .....	1,799	1,772	1,837	1,767	1,890	1,845	1,853	1,730	1,805
New entrants .....	696	552	619	757	685	695	686	640	680
<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 .....	49.1	52.6	51.1	45.1	45.5	46.3	46.3	48.5	47.1
On layoff .....	15.1	21.3	18.0	12.3	11.9	14.5	14.3	15.7	14.6
Other job losers .....	34.0	31.4	33.2	32.8	33.6	31.8	32.0	32.7	32.4
Job leavers .....	14.6	15.3	14.4	15.4	15.2	15.7	15.8	15.5	15.3
Reentrants .....	26.1	24.4	25.8	27.7	28.9	27.6	27.7	26.3	27.4
New entrants .....	10.1	7.6	8.7	11.9	10.5	10.4	10.3	9.7	10.3
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers .....	2.8	3.1	3.0	2.3	2.4	2.5	2.5	2.6	2.5
Job leavers .....	.8	.9	.8	.8	.8	.8	.8	.8	.8
Reentrants .....	1.5	1.4	1.5	1.4	1.5	1.5	1.5	1.4	1.4
New entrants .....	.6	.4	.5	.6	.6	.6	.6	.5	.5

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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>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
Total, 16 years and over .....	6,380	6,535	6,594	5.2	5.3	5.3	5.3	5.3	5.3
16 to 24 years .....	2,343	2,299	2,294	10.6	11.1	11.3	11.2	10.6	10.7
16 to 19 years .....	1,172	1,121	1,138	14.8	14.9	15.3	15.2	14.5	14.8
16 to 17 years .....	552	434	509	17.6	16.9	17.4	18.1	14.8	16.8
18 to 19 years .....	603	683	609	12.7	13.5	13.8	13.4	14.2	13.0
20 to 24 years .....	1,171	1,178	1,156	8.2	8.9	9.0	8.9	8.5	8.4
25 years and over .....	4,026	4,278	4,304	4.0	4.1	4.1	4.1	4.2	4.2
25 to 54 years .....	3,569	3,780	3,781	4.2	4.2	4.2	4.3	4.3	4.3
55 years and over .....	459	525	526	3.0	3.0	3.2	3.2	3.4	3.4
Men, 16 years and over .....	3,504	3,597	3,530	5.2	5.2	5.3	5.3	5.3	5.2
16 to 24 years .....	1,302	1,267	1,226	11.2	11.7	12.0	11.8	11.2	10.9
16 to 19 years .....	677	614	601	16.4	15.9	16.7	16.1	15.1	14.9
16 to 17 years .....	304	214	259	18.8	18.5	19.0	19.8	14.2	16.5
18 to 19 years .....	368	397	336	14.7	14.2	15.1	13.8	15.6	13.7
20 to 24 years .....	625	653	625	8.3	9.3	9.4	9.5	8.9	8.6
25 years and over .....	2,212	2,373	2,313	4.0	3.9	4.0	3.9	4.2	4.1
25 to 54 years .....	1,933	2,079	2,018	4.1	4.0	4.1	4.0	4.3	4.2
55 years and over .....	290	313	308	3.3	3.2	3.5	3.6	3.6	3.5
Women, 16 years and over .....	2,856	2,938	3,064	5.1	5.4	5.4	5.5	5.2	5.4
16 to 24 years .....	1,041	1,032	1,069	9.9	10.4	10.4	10.4	10.1	10.4
16 to 19 years .....	495	507	537	13.1	13.8	13.8	14.3	13.7	14.6
16 to 17 years .....	248	220	250	16.3	15.0	15.7	16.5	15.5	17.3
18 to 19 years .....	235	286	273	10.4	12.8	12.3	13.0	12.6	12.3
20 to 24 years .....	546	525	532	8.1	8.5	8.5	8.2	8.0	8.1
25 years and over .....	1,814	1,906	1,991	4.0	4.2	4.2	4.3	4.1	4.3
25 to 54 years .....	1,636	1,701	1,763	4.2	4.4	4.4	4.6	4.3	4.5
55 years and over .....	169	212	218	2.6	2.8	2.9	2.7	3.3	3.3

<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>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
Civilian noninstitutional population .....	26,830	27,355	27,405	26,830	27,227	27,280	27,332	27,355	27,405
Civilian labor force .....	17,147	17,387	17,329	17,353	17,601	17,686	17,648	17,602	17,545
Participation rate .....	63.9	63.6	63.2	64.7	64.6	64.8	64.6	64.3	64.0
Employed .....	15,276	15,617	15,620	15,571	15,797	15,861	15,841	15,827	15,927
Employment-population ratio <sup>2</sup> .....	56.9	57.1	57.0	58.0	58.0	58.1	58.0	57.9	58.1
Unemployed .....	1,871	1,769	1,709	1,782	1,804	1,825	1,807	1,775	1,618
Unemployment rate .....	10.9	10.2	9.9	10.3	10.2	10.3	10.2	10.1	9.2
Not in labor force .....	9,682	9,968	10,076	9,477	9,626	9,594	9,684	9,753	9,860

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

(Numbers in thousands)

Occupation	Civilian employed		Unemployed		Unemployment rate	
	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990
Total, 16 years and over <sup>1</sup> .....	115,023	116,308	6,883	7,134	5.6	5.8
Managerial and professional specialty .....	30,106	30,612	602	588	2.0	1.9
Executive, administrative, and managerial .....	14,592	14,745	378	326	2.5	2.2
Professional specialty .....	15,514	15,867	224	262	1.4	1.6
Technical, sales, and administrative support .....	35,400	36,777	1,478	1,642	4.0	4.3
Technicians and related support .....	3,569	3,887	102	130	2.8	3.2
Sales occupations .....	13,600	14,135	623	759	4.4	5.1
Administrative support, including clerical .....	18,231	18,754	752	753	4.0	3.9
Service occupations .....	15,537	15,279	1,043	1,120	6.3	6.8
Private household .....	910	770	35	47	3.7	5.8
Protective service .....	1,950	1,992	80	60	3.9	2.9
Service, except private household and protective .....	12,678	12,517	928	1,013	6.8	7.5
Precision production, craft, and repair .....	13,486	13,431	985	985	6.8	6.8
Mechanics and repairers .....	4,596	4,408	169	166	3.6	3.6
Construction trades .....	4,705	5,005	608	578	11.4	10.3
Other precision production, craft, and repair .....	4,165	4,018	208	241	4.8	5.7
Operators, fabricators, and laborers .....	17,655	17,506	1,785	1,829	9.2	9.5
Machine operators, assemblers, and inspectors .....	8,169	7,978	658	741	7.5	8.5
Transportation and material moving occupations .....	4,683	4,712	373	376	7.4	7.4
Handlers, equipment cleaners, helpers, and laborers .....	4,803	4,816	755	712	13.6	12.9
Construction laborers .....	719	746	205	181	22.2	19.5
Other handlers, equipment cleaners, helpers, and laborers .....	4,084	4,070	549	531	11.8	11.5
Farming, forestry, and fishing .....	2,858	2,703	265	248	8.5	8.4

<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	
	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990	Feb. 1989	Feb. 1990
<b>VIETNAM-ERA VETERANS</b>										
Total, 35 years and over .....	7,350	7,573	6,712	6,887	6,450	6,559	262	329	3.9	4.8
35 to 39 years .....	4,417	6,514	6,102	6,168	5,853	5,865	249	304	4.1	4.9
35 to 39 years .....	1,805	1,528	1,808	1,443	1,701	1,360	107	83	5.9	5.8
40 to 44 years .....	3,195	3,324	3,048	3,175	2,954	3,023	94	151	3.1	4.8
45 to 49 years .....	1,317	1,662	1,245	1,551	1,197	1,482	48	89	3.9	4.4
50 years and over .....	933	1,059	611	719	597	694	14	25	2.3	3.5
<b>NONVETERANS</b>										
Total, 35 to 49 years .....	15,861	16,820	14,820	15,784	14,196	15,178	624	606	4.2	3.8
35 to 39 years .....	7,190	7,707	6,786	7,331	6,491	7,070	295	261	4.3	3.6
40 to 44 years .....	4,636	4,943	4,344	4,612	4,143	4,422	201	190	4.6	4.1
45 to 49 years .....	4,036	4,170	3,690	3,842	3,562	3,687	128	155	3.5	4.0

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 35 to 49 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population. Data for 30-to 34-year-old

veterans are no longer shown in this table because the group is rapidly disappearing (into the 35-39 age category) and the numbers remaining for some labor force categories are not large enough to warrant their continued publication.

## HOUSEHOLD DATA

## HOUSEHOLD DATA

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>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>California</b>									
Civilian noninstitutional population .....	21,278	21,718	21,756	21,278	21,602	21,642	21,680	21,718	21,756
Civilian labor force .....	14,280	14,442	14,433	14,341	14,673	14,653	14,627	14,491	14,496
Employed .....	13,493	13,647	13,662	13,613	13,955	13,913	13,854	13,734	13,784
Unemployed .....	787	794	772	728	718	740	773	757	712
Unemployment rate .....	5.5	5.5	5.3	5.1	4.9	5.1	5.3	5.2	4.9
<b>Florida</b>									
Civilian noninstitutional population .....	9,804	10,015	10,034	9,804	9,959	9,979	9,997	10,015	10,034
Civilian labor force .....	5,976	6,184	6,270	6,071	6,225	6,258	6,245	6,289	6,369
Employed .....	5,665	5,823	5,905	5,745	5,864	5,905	5,883	5,940	5,989
Unemployed .....	311	361	365	326	361	353	362	349	380
Unemployment rate .....	5.2	5.8	5.8	5.4	5.8	5.6	5.8	5.5	6.0
<b>Illinois</b>									
Civilian noninstitutional population .....	8,817	8,854	8,857	8,817	8,845	8,849	8,851	8,854	8,857
Civilian labor force .....	5,976	6,006	5,979	6,031	6,031	6,065	6,039	6,064	6,029
Employed .....	5,607	5,595	5,587	5,699	5,636	5,669	5,661	5,673	5,674
Unemployed .....	369	412	392	332	395	396	378	391	355
Unemployment rate .....	6.2	6.9	6.6	5.5	6.5	6.5	6.3	6.4	5.9
<b>Massachusetts</b>									
Civilian noninstitutional population .....	4,617	4,619	4,619	4,617	4,619	4,619	4,619	4,619	4,619
Civilian labor force .....	3,180	3,122	3,174	3,212	3,138	3,165	3,172	3,152	3,203
Employed .....	3,055	2,967	2,991	3,100	2,997	3,025	3,027	3,011	3,034
Unemployed .....	125	155	183	112	141	140	145	141	169
Unemployment rate .....	3.9	5.0	5.8	3.5	4.5	4.4	4.6	4.5	5.3
<b>Michigan</b>									
Civilian noninstitutional population .....	6,979	6,993	6,993	6,979	6,990	6,991	6,992	6,993	6,993
Civilian labor force .....	4,553	4,591	4,555	4,603	4,658	4,626	4,645	4,645	4,605
Employed .....	4,244	4,158	4,186	4,309	4,286	4,287	4,310	4,254	4,250
Unemployed .....	309	433	370	294	372	339	335	391	355
Unemployment rate .....	6.8	9.4	8.1	6.4	8.0	7.3	7.2	8.4	7.7
<b>New Jersey</b>									
Civilian noninstitutional population .....	6,034	6,030	6,029	6,034	6,032	6,032	6,031	6,030	6,029
Civilian labor force .....	4,021	3,980	4,038	4,014	4,021	4,034	4,006	3,994	4,029
Employed .....	3,841	3,773	3,838	3,854	3,828	3,834	3,857	3,810	3,848
Unemployed .....	180	207	200	160	193	200	149	184	181
Unemployment rate .....	4.5	5.2	5.0	4.0	4.8	5.0	3.7	4.6	4.5
<b>New York</b>									
Civilian noninstitutional population .....	13,806	13,803	13,801	13,806	13,806	13,806	13,804	13,803	13,801
Civilian labor force .....	8,618	8,741	8,680	8,674	8,674	8,738	8,762	8,709	8,730
Employed .....	8,140	8,263	8,206	8,235	8,253	8,278	8,278	8,300	8,294
Unemployed .....	477	478	474	439	421	460	484	409	436
Unemployment rate .....	5.5	5.5	5.5	5.1	4.9	5.3	5.5	4.7	5.0
<b>North Carolina</b>									
Civilian noninstitutional population .....	4,915	4,971	4,975	4,915	4,956	4,961	4,966	4,971	4,975
Civilian labor force .....	3,340	3,332	3,371	3,362	3,385	3,373	3,396	3,361	3,395
Employed .....	3,214	3,179	3,239	3,248	3,275	3,275	3,289	3,237	3,274
Unemployed .....	126	153	132	114	110	98	107	124	121
Unemployment rate .....	3.8	4.6	3.9	3.4	3.2	2.9	3.2	3.7	3.6
<b>Ohio</b>									
Civilian noninstitutional population .....	8,252	8,274	8,275	8,252	8,269	8,271	8,272	8,274	8,275
Civilian labor force .....	5,355	5,391	5,344	5,386	5,462	5,415	5,442	5,426	5,372
Employed .....	5,043	4,979	4,998	5,109	5,135	5,081	5,110	5,060	5,061
Unemployed .....	312	412	346	277	327	334	332	366	311
Unemployment rate .....	5.8	7.6	6.5	5.1	6.0	6.2	6.1	6.7	5.8

See footnotes at end of table.

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>					
	Feb. 1989	Jan. 1990	Feb. 1990	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990	Feb. 1990
<b>Pennsylvania</b>									
Civilian noninstitutional population .....	9,358	9,378	9,379	9,358	9,374	9,376	9,377	9,378	9,379
Civilian labor force .....	5,788	5,860	5,883	5,878	5,803	5,910	5,880	5,875	5,966
Employed .....	5,506	5,513	5,510	5,625	5,530	5,598	5,575	5,568	5,623
Unemployed .....	283	348	373	253	273	312	305	307	343
Unemployment rate .....	4.9	5.9	6.3	4.3	4.7	5.3	5.2	5.2	5.7
<b>Texas</b>									
Civilian noninstitutional population .....	12,157	12,300	12,312	12,157	12,263	12,276	12,288	12,300	12,312
Civilian labor force .....	8,273	8,321	8,375	8,391	8,460	8,450	8,423	8,440	8,494
Employed .....	7,662	7,840	7,788	7,822	7,908	7,854	7,866	7,999	7,949
Unemployed .....	611	481	588	569	552	596	557	441	545
Unemployment rate .....	7.4	5.8	7.0	6.8	6.5	7.1	6.6	5.2	6.4

<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.



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

Industry	Not seasonally adjusted				Seasonally adjusted					
	Feb. 1989	Dec. 1989	Jan. 1990p/	Feb. 1990p/	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990p/	Feb. 1990p/
Total.....	106,342	110,416	108,342	108,869	107,711	109,171	109,452	109,578	109,902	110,274
Total private.....	88,463	92,232	90,443	90,637	90,124	91,328	91,622	91,699	91,991	92,335
Goods-producing industries.....	24,961	25,512	24,936	24,983	25,629	25,603	25,609	25,532	25,513	25,664
Mining.....	696	740	734	731	711	731	737	739	746	747
Oil and gas extraction.....	389.2	420.1	418.1	414.5	394	409	414	416	419	420
Construction.....	4,747	5,240	4,970	4,927	5,270	5,335	5,355	5,304	5,408	5,468
General building contractors.....	1,284.7	1,388.0	1,334.6	1,318.7	1,398	1,386	1,391	1,388	1,423	1,435
Manufacturing.....	19,518	19,532	19,232	19,325	19,648	19,537	19,517	19,489	19,359	19,449
Production workers.....	13,318	13,292	13,022	13,125	13,426	13,307	13,276	13,262	13,133	13,227
Durable goods.....	11,536	11,452	11,236	11,341	11,594	11,457	11,439	11,409	11,288	11,394
Production workers.....	7,702	7,612	7,417	7,529	7,749	7,615	7,594	7,579	7,458	7,571
Lumber and wood products.....	754.7	757.0	745.8	742.0	778	764	765	765	770	765
Furniture and fixtures.....	534.1	528.5	523.5	522.2	534	525	525	523	522	522
Stone, clay, and glass products.....	584.6	594.3	580.5	579.7	608	600	602	600	601	603
Primary metal industries.....	786.8	773.0	766.6	770.0	786	776	772	771	766	770
Blast furnaces and basic steel products.....	275.9	270.1	269.9	268.5	276	271	269	270	270	269
Fabricated metal products.....	1,452.2	1,434.5	1,403.3	1,412.2	1,458	1,434	1,430	1,426	1,406	1,416
Machinery, except electrical.....	2,141.3	2,151.4	2,142.8	2,141.7	2,138	2,139	2,146	2,145	2,141	2,137
Electrical and electronic equipment.....	2,058.4	2,004.4	1,992.6	1,985.5	2,052	2,018	2,012	1,992	1,989	1,989
Transportation equipment.....	2,068.6	2,042.4	1,920.6	2,025.0	2,067	2,031	2,020	2,022	1,923	2,023
Motor vehicles and equipment.....	870.3	838.0	720.3	824.4	871	833	824	825	728	825
Instruments and related products.....	770.7	776.9	775.5	775.6	772	779	778	777	776	777
Miscellaneous manufacturing.....	385.0	389.5	384.5	386.6	381	381	389	391	394	392
Non-durable goods.....	7,982	8,080	7,996	7,984	8,054	8,080	8,078	8,080	8,071	8,055
Production workers.....	5,616	5,680	5,605	5,596	5,677	5,692	5,682	5,683	5,675	5,656
Food and kindred products.....	1,595.6	1,666.3	1,632.5	1,623.3	1,650	1,676	1,673	1,676	1,680	1,679
Tobacco manufactures.....	56.2	53.8	53.4	51.9	56	51	51	51	51	51
Textile mill products.....	726.2	720.1	716.1	712.9	728	724	721	719	719	714
Apparel and other textile products.....	1,096.2	1,080.1	1,064.7	1,064.1	1,096	1,084	1,084	1,081	1,073	1,063
Paper and allied products.....	691.2	698.8	691.6	689.2	696	697	697	697	695	694
Printing and publishing.....	1,594.6	1,629.0	1,622.5	1,627.4	1,595	1,612	1,617	1,621	1,624	1,627
Chemicals and allied products.....	1,080.3	1,099.9	1,096.9	1,101.1	1,085	1,096	1,098	1,103	1,104	1,107
Petroleum and coal products.....	157.1	161.2	159.4	159.4	161	164	164	163	163	164
Rubber and misc. plastics products.....	842.1	834.1	823.7	821.0	843	837	835	832	826	821
Leather and leather products.....	142.1	136.9	134.7	134.1	144	139	138	137	136	135
Service-producing industries.....	81,381	84,904	83,406	83,886	82,082	83,566	83,843	84,038	84,389	84,610
Transportation and public utilities.....	5,597	5,881	5,789	5,801	5,667	5,729	5,753	5,834	5,855	5,876
Transportation.....	3,395	3,664	3,582	3,592	3,453	3,566	3,592	3,613	3,637	3,654
Communication and public utilities.....	2,202	2,217	2,207	2,209	2,214	2,163	2,161	2,221	2,218	2,222
Wholesale trade.....	6,115	6,314	6,281	6,269	6,171	6,278	6,300	6,311	6,331	6,325
Durable goods.....	3,634	3,746	3,735	3,733	3,657	3,721	3,737	3,746	3,754	3,756
Non-durable goods.....	2,481	2,568	2,546	2,536	2,514	2,557	2,563	2,565	2,577	2,569
Retail trade.....	18,937	20,349	19,534	19,332	19,460	19,679	19,744	19,718	19,831	19,848
General merchandise stores.....	2,405.2	2,769.1	2,558.4	2,425.1	2,431	2,478	2,492	2,470	2,491	2,498
Food stores.....	3,177.0	3,410.7	3,368.8	3,328.4	3,212	3,321	3,334	3,341	3,366	3,362
Automotive dealers and service stations.....	2,118.0	2,152.3	2,141.5	2,141.7	2,150	2,169	2,169	2,163	2,168	2,172
Eating and drinking places.....	6,062.1	6,393.8	6,148.5	6,195.6	6,332	6,403	6,417	6,432	6,459	6,467
Finance, insurance, and real estate.....	6,698	6,867	6,835	6,847	6,763	6,851	6,871	6,885	6,897	6,912
Finance.....	3,298	3,357	3,348	3,351	3,311	3,345	3,357	3,360	3,355	3,361
Insurance.....	2,114	2,144	2,150	2,157	2,116	2,134	2,138	2,144	2,154	2,159
Real estate.....	1,286	1,366	1,337	1,339	1,336	1,372	1,376	1,331	1,388	1,392
Services.....	26,155	27,309	27,068	27,405	26,434	27,188	27,345	27,419	27,564	27,710
Business services.....	5,634.8	5,881.2	5,786.4	5,801.8	5,729	5,827	5,852	5,852	5,886	5,902
Health services.....	7,424.1	7,875.8	7,910.8	7,966.1	7,442	7,776	7,839	7,884	7,935	7,982
Government.....	17,879	18,184	17,899	18,232	17,587	17,843	17,830	17,871	17,911	17,939
Federal.....	2,969	2,974	2,974	2,975	2,982	2,984	2,982	2,974	2,992	2,990
State.....	4,189	4,243	4,124	4,254	4,095	4,153	4,162	4,156	4,161	4,162
Local.....	10,721	10,967	10,801	11,003	10,510	10,706	10,686	10,741	10,758	10,787

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					
	Feb. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>
Total private.....	34.3	34.7	34.2	34.3	34.6	34.7	34.6	34.5	34.5	34.6
Mining.....	41.7	43.7	43.2	43.0	(2)	(2)	(2)	(2)	(2)	(2)
Construction.....	36.2	37.0	37.6	37.2	(2)	(2)	(2)	(2)	(2)	(2)
Manufacturing.....	40.8	41.3	40.6	40.4	41.1	40.8	40.7	40.6	40.7	40.7
Overtime hours.....	3.8	3.9	3.5	3.4	3.9	3.7	3.7	3.6	3.7	3.6
Durable goods.....	41.5	41.9	41.2	41.1	41.8	41.2	41.2	41.2	41.2	41.3
Overtime hours.....	4.0	4.0	3.6	3.5	4.1	3.8	3.7	3.6	3.7	3.6
Lumber and wood products.....	39.0	40.2	39.7	39.4	39.6	40.4	40.3	40.1	40.3	39.9
Furniture and fixtures.....	39.1	40.3	39.3	38.8	39.7	39.2	39.4	39.2	39.7	39.4
Stone, clay, and glass products.....	41.1	41.4	41.2	40.9	42.2	42.3	42.4	41.5	42.1	42.0
Primary metal industries.....	43.4	43.1	42.7	42.5	43.4	42.5	42.6	42.5	42.6	42.5
Blast furnaces and basic steel products.....	43.7	43.2	43.4	43.4	43.8	42.8	43.0	42.8	43.4	43.5
Fabricated metal products.....	41.6	42.1	41.3	41.0	41.9	41.5	41.4	41.2	41.2	41.2
Machinery, except electrical.....	42.5	43.0	42.2	42.1	42.6	42.0	42.1	42.0	42.1	42.2
Electrical and electronic equipment.....	40.6	41.5	40.9	40.7	40.9	40.9	40.8	40.5	40.7	41.0
Transportation equipment.....	43.0	42.6	41.5	41.8	43.1	41.2	40.9	41.9	41.4	41.8
Motor vehicles and equipment.....	43.8	42.9	41.0	41.6	43.9	42.9	42.3	42.2	41.0	41.6
Instruments and related products.....	41.5	41.8	41.3	41.0	41.5	41.1	41.0	40.9	41.2	41.0
Miscellaneous manufacturing.....	39.2	40.0	39.1	39.1	39.5	39.3	39.7	39.3	39.3	39.4
Nondurable goods.....	39.8	40.4	39.8	39.5	40.2	40.2	40.1	39.9	39.9	39.9
Overtime hours.....	3.5	3.8	3.5	3.3	3.7	3.7	3.6	3.6	3.6	3.5
Food and kindred products.....	39.6	41.2	40.3	39.7	40.3	40.8	40.8	40.6	40.5	40.4
Tobacco manufactures.....	37.8	38.1	37.6	37.3	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products.....	40.5	40.6	40.2	39.7	40.8	40.7	40.5	40.2	40.5	40.0
Apparel and other textile products.....	36.9	36.7	36.3	36.4	37.1	36.9	36.8	36.3	36.6	36.6
Paper and allied products.....	42.9	43.9	43.1	42.6	43.2	43.4	43.4	43.1	43.1	42.9
Printing and publishing.....	37.7	38.2	37.5	37.7	38.0	37.8	37.9	37.6	37.8	37.9
Chemicals and allied products.....	42.3	43.3	42.5	42.0	42.3	42.4	42.3	42.7	42.5	42.1
Petroleum and coal products.....	44.0	45.4	43.3	44.0	(2)	(2)	(2)	(2)	(2)	(2)
Rubber and misc. plastics products.....	41.6	41.5	41.0	41.0	41.7	41.4	41.2	40.8	40.8	41.1
Leather and leather products.....	37.8	37.7	37.2	37.3	38.6	37.7	37.5	37.2	37.4	38.0
Transportation and public utilities.....	39.1	39.3	38.8	39.1	39.4	39.3	39.1	39.3	39.1	39.4
Wholesale trade.....	37.8	38.2	37.8	37.7	38.1	38.1	38.1	38.0	38.0	38.0
Retail trade.....	28.3	29.2	28.1	28.3	28.9	29.0	28.8	28.7	28.8	28.9
Finance, insurance, and real estate.....	35.8	35.7	35.7	35.9	(2)	(2)	(2)	(2)	(2)	(2)
Services.....	32.4	32.5	32.4	32.5	32.5	32.8	32.6	32.6	32.5	32.6

<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			
	Feb. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>	Feb. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>
Total private.....	\$9.55	\$9.84	\$9.87	\$9.90	\$327.57	\$341.45	\$337.55	\$339.57
Seasonally adjusted.....	9.52	9.83	9.82	9.87	329.39	339.14	338.79	341.50
Mining.....	13.22	13.31	13.27	13.33	551.27	581.65	573.26	573.19
Construction.....	13.21	13.64	13.41	13.41	478.20	504.68	504.22	498.85
Manufacturing.....	10.38	10.67	10.59	10.69	423.50	440.67	429.95	431.88
Durable goods.....	10.91	11.18	11.06	11.20	452.77	468.44	455.67	460.32
Lumber and wood products.....	8.69	9.00	8.96	9.02	338.91	361.80	355.71	355.39
Furniture and fixtures.....	8.08	8.42	8.46	8.39	315.93	339.33	332.48	325.53
Stone, clay, and glass products.....	10.62	10.88	10.87	10.84	436.48	450.43	447.84	443.36
Primary metal industries.....	12.27	12.52	12.54	12.66	532.52	539.61	535.46	538.05
Blast furnaces and basic steel products.....	14.13	14.40	14.50	14.63	617.48	622.08	629.30	634.94
Fabricated metal products.....	10.46	10.69	10.55	10.65	435.14	450.05	435.72	436.65
Machinery, except electrical.....	11.23	11.57	11.50	11.51	477.28	497.51	485.30	484.57
Electrical and electronic equipment.....	10.26	10.52	10.51	10.56	416.56	436.58	429.86	429.79
Transportation equipment.....	13.59	13.93	13.59	13.98	584.37	593.42	563.99	584.36
Motor vehicles and equipment.....	14.19	14.49	13.79	14.49	621.52	621.62	565.39	602.78
Instruments and related products.....	10.14	10.49	10.53	10.54	420.81	438.48	434.89	432.14
Miscellaneous manufacturing.....	8.23	8.60	8.59	8.60	322.62	344.00	335.87	336.26
Nondurable goods.....	9.62	9.95	9.96	9.98	382.88	401.98	396.41	394.21
Food and kindred products.....	9.26	9.50	9.48	9.50	366.70	391.40	382.04	377.15
Tobacco manufactures.....	14.75	15.31	15.64	15.57	557.55	583.31	588.06	580.76
Textile mill products.....	7.59	7.87	7.92	7.94	307.40	319.52	318.38	315.22
Apparel and other textile products.....	6.32	6.45	6.41	6.45	233.21	236.72	232.68	234.78
Paper and allied products.....	11.80	12.14	12.16	12.16	506.22	532.95	524.10	518.02
Printing and publishing.....	10.74	11.07	11.10	11.13	404.90	422.87	416.25	419.60
Chemicals and allied products.....	12.88	13.31	13.32	13.24	544.82	576.32	566.10	556.08
Petroleum and coal products.....	15.45	15.76	15.90	16.26	679.80	715.50	688.47	715.44
Rubber and misc. plastics products.....	9.31	9.58	9.61	9.63	387.30	397.57	394.01	394.83
Leather and leather products.....	6.49	6.73	6.81	6.81	245.32	253.72	253.33	254.01
Transportation and public utilities.....	12.50	12.76	12.76	12.77	488.75	501.47	495.09	499.31
Wholesale trade.....	10.23	10.62	10.59	10.62	386.69	405.68	400.30	400.37
Retail trade.....	6.47	6.66	6.74	6.74	183.10	194.47	189.39	190.74
Finance, insurance, and real estate.....	9.47	9.76	9.83	9.84	339.03	348.43	350.93	353.26
Services.....	9.28	9.69	9.73	9.75	300.67	314.93	315.25	316.88

<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	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>	Percent change from Jan. 1990-Feb. 1990
Total private <sup>2/</sup> .....	\$9.52	\$9.78	\$9.78	\$9.83	\$9.82	\$9.87	0.5
Current dollars.....	4.81	4.81	4.79	4.80	4.74	N.A.	(4)
Constant (1977) dollars <sup>3/</sup> .....	13.22	13.44	13.52	13.60	13.33	13.42	1.7
Construction.....	10.37	10.55	10.57	10.61	10.55	10.68	1.2
Manufacturing.....	9.89	10.08	10.11	10.15	10.10	10.23	1.3
Excluding overtime <sup>5/</sup> .....	12.48	12.68	12.61	12.71	12.75	12.74	-1
Transportation and public utilities	10.18	10.54	10.54	10.59	10.55	10.58	.3
Wholesale trade.....	6.45	6.61	6.61	6.65	6.69	6.72	.4
Retail trade.....	9.35	9.77	9.67	9.79	9.76	9.72	-.4
Finance, insurance, and real estate	9.19	9.58	9.54	9.62	9.62	9.65	.3
Services.....							

<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 -1.3 percent from December 1989 to January 1990, 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 -					
	Feb. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>	Feb. 1989	Oct. 1989	Nov. 1989	Dec. 1989	Jan. 1990 <sup>p/</sup>	Feb. 1990 <sup>p/</sup>
Total private.....	123.3	130.4	125.8	126.2	127.2	129.2	129.1	128.8	129.4	130.3
Goods-producing industries.....	98.2	102.1	98.1	97.9	102.9	102.4	102.5	101.1	102.1	102.8
Mining.....	77.2	87.2	85.1	84.1	80.1	85.5	86.2	85.3	86.5	87.1
Construction.....	118.4	136.0	129.3	126.6	140.5	143.8	145.8	139.5	149.2	150.0
Manufacturing.....	95.3	96.2	92.7	93.0	96.7	95.2	94.8	94.5	93.7	94.4
Durable goods.....	93.9	93.7	89.7	90.8	95.0	92.2	91.9	91.6	90.3	91.8
Lumber and wood products.....	99.5	102.2	99.5	98.2	104.5	104.2	103.9	103.2	104.4	102.7
Furniture and fixtures.....	112.3	113.7	109.6	108.1	113.7	109.9	110.2	109.1	110.3	109.4
Stone, clay, and glass products.....	84.5	86.4	83.9	83.0	90.9	89.6	90.0	87.7	89.4	89.2
Primary metal industries.....	68.6	66.5	65.3	65.4	68.7	65.9	65.6	65.6	65.0	65.6
Blast furnaces and basic steel products..	53.3	51.1	51.5	51.1	53.4	51.1	50.8	51.1	51.5	51.4
Fabricated metal products.....	91.6	91.0	86.7	87.2	92.8	89.7	89.1	88.5	86.9	87.9
Machinery, except electrical.....	93.6	94.9	93.0	92.9	93.7	92.0	92.7	92.4	92.6	92.8
Electrical and electronic equipment.....	99.3	98.2	96.3	95.3	99.9	97.1	96.6	95.0	95.4	96.2
Transportation equipment.....	101.2	97.8	86.3	94.8	101.0	94.3	92.7	95.0	86.0	94.3
Motor vehicles and equipment.....	91.7	85.4	67.2	81.4	91.1	84.7	82.3	82.4	67.7	81.6
Instruments and related products.....	115.6	117.6	116.2	116.0	115.6	116.1	115.2	114.4	116.1	116.1
Miscellaneous manufacturing.....	84.2	87.1	84.0	84.6	86.4	86.0	86.2	86.3	87.2	86.8
Nondurable goods.....	97.3	100.0	97.1	96.3	99.3	99.6	99.2	98.7	98.7	98.2
Food and kindred products.....	96.2	105.8	101.1	98.8	102.2	105.9	105.5	105.0	105.5	104.9
Tobacco manufactures.....	73.3	72.6	70.5	67.1	74.1	67.6	66.9	66.2	67.3	68.2
Textile mill products.....	79.5	78.7	77.6	76.0	80.4	79.5	78.8	78.1	78.4	76.9
Apparel and other textile products.....	85.0	83.1	80.9	81.1	85.5	84.0	83.6	82.4	82.4	81.5
Paper and allied products.....	100.6	104.2	101.1	99.5	101.9	102.8	102.8	102.1	101.7	101.0
Printing and publishing.....	137.0	142.3	138.8	140.1	138.4	138.3	139.3	138.8	139.9	141.0
Chemicals and allied products.....	99.8	103.8	101.4	100.5	100.0	101.8	101.5	102.8	102.3	101.2
Petroleum and coal products.....	79.1	84.4	79.8	80.9	83.3	85.6	85.3	85.6	82.4	84.9
Rubber and misc. plastics products.....	119.7	117.6	114.3	114.0	120.0	118.1	116.8	115.3	114.2	114.2
Leather and leather products.....	55.2	53.0	51.3	51.3	57.0	53.8	53.0	52.1	52.4	52.8
Service-producing industries.....	137.2	146.0	141.0	141.9	140.6	144.0	143.9	144.1	144.6	145.5
Transportation and public utilities.....	113.8	120.9	117.0	118.2	116.2	117.4	117.3	119.8	119.3	120.9
Wholesale trade.....	123.3	128.8	126.5	126.3	125.9	128.0	128.3	128.1	128.7	128.6
Retail trade.....	120.6	134.5	123.7	122.9	126.7	128.4	128.3	127.6	128.7	129.1
Finance, insurance, and real estate.....	139.8	143.9	143.0	144.1	140.8	145.0	143.8	144.1	144.3	145.5
Services.....	163.7	171.3	168.9	171.4	166.1	172.2	172.0	172.4	172.7	174.1

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

p = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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:												
1988.....	60.7	63.5	63.0	62.8	61.3	67.2	63.6	58.0	55.4	63.9	68.2	64.6
1989.....	68.3	60.5	61.0	58.2	55.6	59.7	55.6	57.4	47.9	55.3	60.9	51.9
1990.....	p/60.3	p/55.9										
Over 3-month span:												
1988.....	64.8	65.6	69.5	70.2	71.1	71.9	71.2	64.2	65.3	70.1	73.4	74.6
1989.....	71.6	70.1	64.5	61.9	61.6	60.7	61.6	53.4	54.6	55.7	57.2	p/61.7
1990.....	p/58.2											
Over 6-month span:												
1988.....	69.9	70.2	71.5	73.9	73.9	69.1	70.2	74.6	73.5	73.9	74.5	75.8
1989.....	75.1	69.5	68.2	66.0	63.0	57.9	57.7	60.2	53.4	p/59.0	p/58.2	
1990.....												
Over 12-month span:												
1988.....	76.2	76.1	74.8	74.6	75.8	74.9	78.1	75.5	75.5	74.8	74.9	74.1
1989.....	73.2	73.6	69.6	67.6	66.6	62.6	p/63.9	p/64.0				
1990.....												
Manufacturing payrolls, 141 industries <sup>1/</sup>												
Over 1-month span:												
1988.....	58.5	56.0	55.0	59.9	58.5	61.7	59.6	51.1	49.3	62.8	64.9	58.5
1989.....	62.4	53.5	53.2	49.6	46.8	48.6	49.6	45.4	34.8	52.1	48.2	44.7
1990.....	p/46.5	p/46.1										
Over 3-month span:												
1988.....	63.1	61.0	62.4	64.9	67.4	67.0	64.5	58.2	62.1	66.7	71.3	70.9
1989.....	67.4	63.8	55.7	51.8	49.3	48.6	47.9	34.0	41.8	41.5	46.5	p/42.9
1990.....	p/43.3											
Over 6-month span:												
1988.....	66.3	66.3	67.7	69.5	66.7	64.2	66.0	70.9	68.8	69.9	71.6	74.1
1989.....	69.5	58.5	55.7	52.8	48.9	39.0	40.1	41.8	34.4	p/38.3	p/39.7	
1990.....												
Over 12-month span:												
1988.....	73.8	70.2	70.9	71.6	72.0	69.9	70.9	69.1	71.6	70.2	69.9	67.0
1989.....	63.1	63.8	57.1	53.5	49.6	42.9	p/43.6	p/42.6				
1990.....												

<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.