

# News

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## THE EMPLOYMENT SITUATION: MARCH 1988

Nonagricultural payroll employment continued to rise in March, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. The overall jobless rate was 5.5 percent, and the civilian worker rate was 5.6 percent; each has declined four-tenths of a percentage point in the last 5 months and nearly a point over the past year.

Payroll employment, as measured by the monthly survey of business establishments, rose by 260,000 in March, seasonally adjusted, about in line with the average gains over the past year. On the other hand, total civilian employment, as estimated through the survey of households, showed a drop of 300,000, returning to the January level.

### Unemployment (Household Survey Data)

The number of unemployed persons, at 6.8 million in March, seasonally adjusted, and the civilian worker unemployment rate, at 5.6 percent, were little changed from February. Both measures, however, have been drifting down in recent months. Compared with a year ago, the level of unemployment has fallen by a million, and the civilian worker unemployment rate has declined nearly a full percentage point. More than two-thirds of the over-the-year improvement in total unemployment was attributable to a drop in the number of unemployed persons who had lost their last jobs. (See tables A-2 and A-8.)

The unemployment rate for adult women fell four-tenths of a percentage point to 4.8 percent in March, the only significant decline among the major demographic groups. Jobless rates for adult men (4.9 percent), whites (4.7 percent), blacks (12.8 percent), and Hispanics (8.2 percent) showed little or no change, while the rate for teenagers (16.5 percent) rose. (See table A-3.)

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

Total civilian employment showed a decline of 300,000 in March, returning to the January level of 114.1 million, seasonally adjusted. The March movement followed gains averaging 300,000 per month from September to February. The percentage of the total civilian population that was working--the employment-population ratio--slipped to 62.0 percent, slightly below recent record highs. (See table A-2.)

After seasonal adjustment, the civilian labor force declined by 450,000 in March to 120.9 million. Accordingly, the labor force participation rate fell 0.3 percentage point to 65.7 percent. The March labor force was 1.6 million higher than a year earlier. (See table A-2.)

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

Category	Quarterly averages		Monthly data			Feb.- Mar. change
	1987	1988	1988			
	IV	I	Jan.	Feb.	Mar.	
HOUSEHOLD DATA						
	Thousands of persons					
Labor force 1/.....	122,316	122,882	122,924	123,084	122,639	-445
Total employment 1/..	115,235	115,954	115,878	116,145	115,839	-306
Civilian labor force...	120,568	121,142	121,175	121,348	120,903	-445
Civilian employment..	113,486	114,214	114,129	114,409	114,103	-306
Unemployment.....	7,082	6,928	7,046	6,938	6,801	-137
Not in labor force.....	62,899	62,825	62,647	62,621	63,208	587
Discouraged workers..	910	1,027	N.A.	N.A.	N.A.	N.A.
	Percent of labor force					
Unemployment rates:						
All workers 1/.....	5.8	5.6	5.7	5.6	5.5	-0.1
All civilian workers.	5.9	5.7	5.8	5.7	5.6	-.1
Adult men.....	5.0	5.0	5.1	4.9	4.9	0
Adult women.....	5.2	5.0	5.1	5.2	4.8	-.4
Teenagers.....	16.6	16.0	16.0	15.4	16.5	1.1
White.....	5.0	4.8	5.0	4.8	4.7	-.1
Black.....	12.2	12.5	12.2	12.6	12.8	.2
Hispanic origin....	8.5	7.9	7.2	8.3	8.2	-.1
ESTABLISHMENT DATA						
	Thousands of jobs					
Nonfarm employment.....	103,293	p104,259	103,827	p104,344	p104,606	p262
Goods-producing.....	25,164	p25,324	25,205	p25,342	p25,426	p84
Service-producing....	78,129	p78,935	78,622	p79,002	p79,180	p178
	Hours of work					
Average weekly hours:						
Total private.....	34.8	p34.7	34.8	p34.8	p34.6	p-0.2
Manufacturing.....	41.2	p41.0	41.2	p41.0	p40.9	p-.1
Overtime.....	3.9	p3.8	3.9	p3.7	p3.7	p0

1/ Includes the resident Armed Forces.

N.A.=not available.

p=preliminary.

### Discouraged Workers (Household Survey Data)

The number of discouraged workers--persons who want to work but do not look for jobs because they believe that they cannot find any--rose slightly, by about 115,000, to 1.0 million in the first quarter of 1988. Over the previous 4 quarters, the number of discouraged workers had declined by a total of 230,000. Men accounted for most of the first quarter rise. (See table A-14.)

### Industry Payroll Employment (Establishment Survey Data)

Total nonagricultural payroll employment rose by 260,000 in March to a seasonally adjusted level of 104.6 million. The largest over-the-month gains occurred in the services and construction industries. Manufacturing employment was unchanged. (See table B-1.)

The services industry, with widespread employment gains totaling 85,000, again led the over-the-month growth in the service-producing sector. Wholesale trade, which has grown steadily since July, added 15,000 jobs in March, almost entirely in its durable goods component. Retail trade, which had added a quarter of a million jobs on a seasonally adjusted basis during the first 2 months of this year, showed no further employment growth in March. In finance, insurance, and real estate, a rise in real estate payrolls (10,000) was partially offset by the second straight monthly decline in finance (5,000).

In the goods-producing sector, construction posted a second strong over-the-month gain (80,000). Since September, employment in that industry has risen by 270,000. Manufacturing employment, which has slowed in recent months following strong growth in the second half of 1987, was unchanged in March. Job gains in machinery and printing and publishing were offset by small declines in other manufacturing industries.

### Weekly Hours (Establishment Survey Data)

The average workweek for all production or nonsupervisory workers on private nonagricultural payrolls decreased 0.2 hour in March to 34.6 hours, seasonally adjusted. The manufacturing workweek edged down 0.1 hour to 40.9. This is the same level as a year earlier but slightly below the historically high levels of last fall. Factory overtime was unchanged in March at 3.7 hours. (See table B-2.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls declined by 0.4 percent to 122.9 (1977=100), seasonally adjusted. The manufacturing index, at 95.3, was little changed from February. (See table B-5.)

Hourly and Weekly Earnings (Establishment Survey Data)

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose by 0.7 percent in March, seasonally adjusted, while average weekly earnings were virtually unchanged. Prior to seasonal adjustment, average hourly earnings edged up 2 cents to \$9.20, while average weekly earnings decreased 23 cents, reflecting a small decline in the workweek. (See table B-3.)

The Hourly Earnings Index (Establishment Survey Data)

The Hourly Earnings Index (HEI) was 177.1 (1977=100) in March, seasonally adjusted, an increase of 0.4 percent from February. For the 12 months ended in March, the increase was 2.9 percent. In dollars of constant purchasing power, the HEI decreased 1.1 percent during the 12-month period ending in February. The HEI excludes the effects of two types of changes unrelated to underlying wage rate movements—fluctuations in manufacturing overtime and interindustry employment shifts. (See table B-4.)

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The Employment Situation for April 1988 will be released on Friday, May 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 59,500 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 290,000 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 328,000; for total unemployment it is 220,000; 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 .26 percentage point; for teenagers, it is 1.25 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 \$22.00 per year from the U.S. Government Printing Office, Washington, D.C., 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 <sup>1</sup>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>TOTAL</b>									
Noninstitutional population <sup>2</sup> .....	183,915	185,705	185,847	183,915	185,225	185,370	185,571	185,705	185,847
Labor force <sup>3</sup> .....	120,089	121,678	121,693	120,982	122,349	122,472	122,924	123,084	122,639
Participation rate <sup>3</sup> .....	65.3	65.5	65.5	65.8	66.1	66.1	66.2	66.3	66.0
Total employed <sup>4</sup> .....	111,965	114,196	114,603	113,191	115,259	115,494	115,878	116,145	115,839
Employment-population ratio <sup>4</sup> .....	60.9	61.5	61.7	61.5	62.2	62.3	62.4	62.5	62.3
Resident Armed Forces .....	1,736	1,736	1,736	1,736	1,755	1,750	1,749	1,736	1,736
Civilian employed .....	110,229	112,460	112,867	111,455	113,504	113,744	114,129	114,409	114,103
Agriculture .....	2,932	2,760	2,902	3,237	3,172	3,215	3,293	3,228	3,204
Nonagricultural industries .....	107,297	109,700	109,964	108,218	110,332	110,529	110,836	111,182	110,899
Unemployed .....	8,124	7,482	7,090	7,791	7,090	6,978	7,046	6,938	6,801
Unemployment rate <sup>5</sup> .....	6.8	6.1	5.8	6.4	5.8	5.7	5.7	5.6	5.5
Not in labor force .....	63,826	64,026	64,154	62,933	62,876	62,898	62,647	62,621	63,208
<b>Men, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	88,186	89,099	89,168	88,186	88,849	88,924	89,033	89,099	89,168
Labor force <sup>3</sup> .....	66,984	67,484	67,521	67,590	68,019	68,030	68,243	68,343	68,148
Participation rate <sup>3</sup> .....	76.0	75.7	75.7	76.6	76.6	76.5	76.6	76.7	76.4
Total employed <sup>4</sup> .....	62,291	63,252	63,385	63,263	64,174	64,245	64,396	64,636	64,332
Employment-population ratio <sup>4</sup> .....	70.6	71.0	71.1	71.7	72.2	72.2	72.3	72.5	72.1
Resident Armed Forces .....	1,575	1,577	1,573	1,575	1,593	1,589	1,588	1,577	1,573
Civilian employed .....	60,716	61,675	61,812	61,688	62,581	62,656	62,808	63,059	62,759
Unemployed .....	4,693	4,232	4,136	4,327	3,845	3,785	3,847	3,707	3,816
Unemployment rate <sup>5</sup> .....	7.0	6.3	6.1	6.4	5.7	5.6	5.6	5.4	5.6
<b>Women, 16 years and over</b>									
Noninstitutional population <sup>2</sup> .....	95,729	96,606	96,679	95,729	96,376	96,446	96,538	96,606	96,679
Labor force <sup>3</sup> .....	53,106	54,195	54,173	53,392	54,330	54,442	54,681	54,740	54,491
Participation rate <sup>3</sup> .....	55.5	56.1	56.0	55.8	56.4	56.4	56.6	56.7	56.4
Total employed <sup>4</sup> .....	49,674	50,944	51,218	49,928	51,085	51,249	51,482	51,509	51,507
Employment-population ratio <sup>4</sup> .....	51.9	52.7	53.0	52.2	53.0	53.1	53.3	53.3	53.3
Resident Armed Forces .....	161	159	163	161	162	161	161	159	163
Civilian employed .....	49,513	50,785	51,055	49,767	50,923	51,088	51,321	51,350	51,344
Unemployed .....	3,432	3,250	2,955	3,464	3,245	3,193	3,200	3,231	2,985
Unemployment rate <sup>5</sup> .....	6.5	6.0	5.5	6.5	6.0	5.9	5.9	5.9	5.5

<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>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>TOTAL</b>									
Civilian noninstitutional population .....	182,179	183,969	184,111	182,179	183,470	183,620	183,822	183,969	184,111
Civilian labor force .....	118,353	119,942	119,957	119,246	120,594	120,722	121,175	121,348	120,903
Participation rate .....	65.0	65.2	65.2	65.5	65.7	65.7	65.9	66.0	65.7
Employed .....	110,229	112,460	112,867	111,455	113,504	113,744	114,129	114,409	114,103
Employment-population ratio <sup>2</sup> .....	60.5	61.1	61.3	61.2	61.9	61.9	62.1	62.2	62.0
Unemployed .....	8,124	7,482	7,090	7,791	7,090	6,978	7,046	6,938	6,801
Unemployment rate .....	6.9	6.2	5.9	6.5	5.9	5.8	5.8	5.7	5.6
<b>Men, 20 years and over</b>									
Civilian noninstitutional population .....	79,303	80,203	80,260	79,303	79,885	80,002	80,120	80,203	80,260
Civilian labor force .....	61,693	62,205	62,238	61,933	62,299	62,248	62,440	62,696	62,497
Participation rate .....	77.8	77.6	77.5	78.1	78.0	77.8	77.9	78.2	77.9
Employed .....	57,752	58,626	58,807	58,380	59,164	59,185	59,287	59,625	59,407
Employment-population ratio <sup>2</sup> .....	72.8	73.1	73.3	73.6	74.1	74.0	74.0	74.3	74.0
Agriculture .....	2,201	2,027	2,109	2,361	2,297	2,298	2,323	2,280	2,253
Nonagricultural industries .....	55,551	56,599	56,697	56,019	56,867	56,887	56,964	57,344	57,154
Unemployed .....	3,941	3,578	3,432	3,553	3,135	3,063	3,154	3,071	3,089
Unemployment rate .....	6.4	5.8	5.5	5.7	5.0	4.9	5.1	4.9	4.9
<b>Women, 20 years and over</b>									
Civilian noninstitutional population .....	88,321	89,178	89,261	88,321	88,923	89,010	89,110	89,178	89,261
Civilian labor force .....	49,374	50,407	50,476	49,414	50,254	50,361	50,558	50,640	50,542
Participation rate .....	55.9	56.5	56.5	55.9	56.5	56.6	56.7	56.8	56.6
Employed .....	46,531	47,714	48,051	46,582	47,634	47,750	47,977	48,005	48,132
Employment-population ratio <sup>2</sup> .....	52.7	53.5	53.8	52.7	53.6	53.6	53.8	53.8	53.9
Agriculture .....	530	552	575	602	636	643	646	654	656
Nonagricultural industries .....	46,001	47,162	47,476	45,980	46,998	47,107	47,331	47,351	47,476
Unemployed .....	2,843	2,693	2,425	2,832	2,620	2,611	2,581	2,635	2,411
Unemployment rate .....	5.8	5.3	4.8	5.7	5.2	5.2	5.1	5.2	4.8
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population .....	14,555	14,588	14,591	14,555	14,663	14,609	14,592	14,588	14,591
Civilian labor force .....	7,287	7,331	7,243	7,899	8,041	8,113	8,177	8,011	7,865
Participation rate .....	50.1	50.2	49.6	54.3	54.8	55.5	56.0	54.9	53.9
Employed .....	5,946	6,120	6,009	6,493	6,706	6,809	6,865	6,779	6,564
Employment-population ratio <sup>2</sup> .....	40.9	42.0	41.2	44.6	45.7	46.6	47.0	46.5	45.0
Agriculture .....	202	181	218	274	239	274	323	293	295
Nonagricultural industries .....	5,745	5,939	5,791	6,219	6,467	6,535	6,542	6,486	6,269
Unemployed .....	1,341	1,211	1,234	1,406	1,335	1,304	1,312	1,232	1,301
Unemployment rate .....	18.4	16.5	17.0	17.8	16.6	16.1	16.0	15.4	16.5

<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					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>WHITE</b>									
Civilian noninstitutional population .....	156,561	157,773	157,868	156,561	157,449	157,552	157,676	157,773	157,868
Civilian labor force .....	102,137	103,398	103,388	102,836	103,731	103,907	104,252	104,530	104,171
Participation rate .....	65.2	65.5	65.5	65.7	65.9	66.0	66.1	66.3	66.0
Employed .....	96,032	97,819	98,202	97,074	98,492	98,779	99,044	99,474	99,274
Employment-population ratio <sup>2</sup> .....	61.3	62.0	62.2	62.0	62.6	62.7	62.8	63.0	62.9
Unemployed .....	6,105	5,579	5,185	5,762	5,239	5,128	5,208	5,056	4,897
Unemployment rate .....	6.0	5.4	5.0	5.6	5.1	4.9	5.0	4.8	4.7
<b>Men, 20 years and over</b>									
Civilian labor force .....	53,936	54,268	54,307	54,097	54,381	54,368	54,455	54,650	54,522
Participation rate .....	78.2	77.9	77.9	78.4	78.3	78.2	78.3	78.5	78.2
Employed .....	50,850	51,551	51,723	51,371	51,969	52,046	52,053	52,389	52,245
Employment-population ratio <sup>2</sup> .....	73.7	74.0	74.2	74.5	74.9	74.9	74.8	75.2	75.0
Unemployed .....	3,086	2,717	2,584	2,726	2,412	2,322	2,402	2,260	2,277
Unemployment rate .....	5.7	5.0	4.8	5.0	4.4	4.3	4.4	4.1	4.2
<b>Women, 20 years and over</b>									
Civilian labor force .....	41,834	42,748	42,769	41,877	42,464	42,569	42,710	42,915	42,841
Participation rate .....	55.3	56.1	56.1	55.4	55.8	55.9	56.1	56.3	56.2
Employed .....	39,839	40,780	41,101	39,890	40,606	40,712	40,896	40,985	41,183
Employment-population ratio <sup>2</sup> .....	52.7	53.5	53.9	52.7	53.4	53.5	53.7	53.8	54.0
Unemployed .....	1,995	1,969	1,668	1,987	1,858	1,857	1,813	1,930	1,658
Unemployment rate .....	4.8	4.6	3.9	4.7	4.4	4.4	4.2	4.5	3.9
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	6,367	6,381	6,312	6,862	6,886	6,970	7,087	6,965	6,807
Participation rate .....	53.3	53.7	53.1	57.5	57.7	58.6	59.6	58.6	57.2
Employed .....	5,343	5,488	5,378	5,813	5,917	6,021	6,095	6,100	5,845
Employment-population ratio <sup>2</sup> .....	44.8	46.2	45.2	48.7	49.6	50.6	51.2	51.3	49.1
Unemployed .....	1,024	893	934	1,049	969	949	992	865	962
Unemployment rate .....	16.1	14.0	14.8	15.3	14.1	13.6	14.0	12.4	14.1
Men .....	18.2	14.8	17.1	16.8	14.8	14.9	14.4	12.2	15.7
Women .....	13.9	13.2	12.3	13.7	13.3	12.3	13.6	12.7	12.4
<b>BLACK</b>									
Civilian noninstitutional population .....	20,249	20,569	20,596	20,249	20,482	20,508	20,539	20,569	20,596
Civilian labor force .....	12,687	12,965	12,932	12,853	13,193	13,215	13,222	13,168	13,098
Participation rate .....	62.7	63.0	62.8	63.5	64.4	64.4	64.4	64.0	63.6
Employed .....	10,927	11,288	11,273	11,072	11,589	11,605	11,608	11,504	11,420
Employment-population ratio <sup>2</sup> .....	54.0	54.9	54.7	54.7	56.6	56.6	56.5	55.9	55.4
Unemployed .....	1,760	1,678	1,659	1,781	1,604	1,610	1,614	1,663	1,678
Unemployment rate .....	13.9	12.9	12.8	13.9	12.2	12.2	12.2	12.6	12.8
<b>Men, 20 years and over</b>									
Civilian labor force .....	5,949	6,094	6,081	5,995	6,045	6,043	6,115	6,166	6,127
Participation rate .....	74.2	74.7	74.4	74.8	74.5	74.3	75.0	75.6	75.0
Employed .....	5,236	5,352	5,369	5,298	5,430	5,430	5,497	5,472	5,429
Employment-population ratio <sup>2</sup> .....	65.3	65.6	65.7	66.1	66.9	66.8	67.5	67.1	66.4
Unemployed .....	713	742	712	697	615	613	618	694	699
Unemployment rate .....	12.0	12.2	11.7	11.6	10.2	10.1	10.1	11.3	11.4
<b>Women, 20 years and over</b>									
Civilian labor force .....	5,971	6,114	6,112	5,994	6,207	6,224	6,244	6,131	6,136
Participation rate .....	59.3	59.7	59.6	59.5	60.9	61.0	61.1	59.9	59.9
Employed .....	5,211	5,462	5,443	5,230	5,537	5,544	5,550	5,495	5,465
Employment-population ratio <sup>2</sup> .....	51.7	53.4	53.1	51.9	54.3	54.3	54.3	53.7	53.3
Unemployed .....	760	652	668	764	670	680	694	636	671
Unemployment rate .....	12.7	10.7	10.9	12.7	10.8	10.9	11.1	10.4	10.9
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	768	757	740	864	941	948	863	870	834
Participation rate .....	35.6	34.8	34.0	40.1	43.3	43.7	39.8	40.0	38.3
Employed .....	481	473	461	544	622	631	561	537	526
Employment-population ratio <sup>2</sup> .....	22.3	21.8	21.2	25.2	28.6	29.1	25.8	24.7	24.2
Unemployed .....	287	284	278	320	319	317	302	333	308
Unemployment rate .....	37.4	37.5	37.6	37.0	33.9	33.4	35.0	38.3	36.9
Men .....	36.8	42.9	40.2	36.1	32.2	33.5	35.1	42.0	39.0
Women .....	38.0	32.5	35.3	38.0	35.8	33.4	34.9	34.7	35.0

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 <sup>1</sup>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>HISPANIC ORIGIN</b>									
Civilian noninstitutional population .....	12,732	13,153	13,192	12,732	13,043	13,082	13,115	13,153	13,192
Civilian labor force .....	8,326	8,905	8,726	8,395	8,763	8,772	8,879	9,017	8,803
Participation rate .....	65.4	67.7	66.1	65.9	67.2	67.1	67.7	68.6	66.7
Employed .....	7,547	8,086	7,990	7,632	7,978	8,058	8,238	8,268	8,079
Employment-population ratio <sup>2</sup> .....	59.3	61.5	60.6	59.9	61.2	61.6	62.8	62.9	61.2
Unemployed .....	780	820	736	763	785	714	642	749	724
Unemployment rate .....	9.4	9.2	8.4	9.1	9.0	8.1	7.2	8.3	8.2

<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					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>CHARACTERISTIC</b>									
Civilian employed, 16 years and over .....	110,229	112,460	112,867	111,455	113,504	113,744	114,129	114,409	114,103
Married men, spouse present .....	39,739	39,868	40,157	40,054	40,645	40,711	40,404	40,475	40,481
Married women, spouse present .....	27,937	28,477	28,776	27,966	28,175	28,249	28,441	28,707	28,805
Women who maintain families .....	5,963	6,157	6,178	5,946	6,237	6,227	6,168	6,157	6,160
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>									
<b>Agriculture:</b>									
Wage and salary workers .....	1,494	1,407	1,467	1,689	1,595	1,599	1,666	1,677	1,648
Self-employed workers .....	1,303	1,274	1,309	1,416	1,407	1,450	1,454	1,414	1,423
Unpaid family workers .....	135	79	126	152	155	156	138	114	142
<b>Nonagricultural industries:</b>									
Wage and salary workers .....	99,092	101,341	101,514	99,863	101,943	101,997	102,507	102,683	102,279
Government .....	16,883	17,270	17,195	16,594	17,118	17,064	17,197	16,948	16,908
Private industries .....	82,209	84,071	84,319	83,269	84,825	84,933	85,310	85,735	85,371
Private households .....	1,134	1,087	1,086	1,227	1,286	1,200	1,147	1,170	1,175
Other industries .....	81,075	82,984	83,233	82,042	83,539	83,733	84,163	84,565	84,196
Self-employed workers .....	7,921	8,146	8,190	8,082	8,222	8,280	8,150	8,312	8,366
Unpaid family workers .....	284	213	261	270	235	248	237	228	248
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>									
<b>All industries:</b>									
Part time for economic reasons .....	5,232	5,377	5,129	5,459	5,534	5,262	5,367	5,566	5,343
Slack work .....	2,440	2,661	2,520	2,438	2,408	2,284	2,396	2,478	2,520
Could only find part-time work .....	2,504	2,390	2,347	2,707	2,696	2,638	2,640	2,598	2,535
Voluntary part time .....	15,145	15,446	15,567	14,201	14,523	14,711	14,571	14,572	14,603
<b>Nonagricultural industries:</b>									
Part time for economic reasons .....	4,999	5,117	4,932	5,180	5,241	5,004	5,145	5,254	5,106
Slack work .....	2,280	2,504	2,371	2,234	2,209	2,111	2,260	2,327	2,325
Could only find part-time work .....	2,434	2,292	2,307	2,612	2,597	2,552	2,566	2,457	2,475
Voluntary part time .....	14,681	15,055	15,131	13,717	14,064	14,222	14,096	14,123	14,141

<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		
	I	II	III	IV	I	Jan.	Feb.	Mar.
U-1 Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.8	1.7	1.6	1.5	1.4	1.4	1.4	1.4
U-2 Job losers as a percent of the civilian labor force .....	3.2	3.0	2.8	2.7	2.6	2.6	2.6	2.6
U-3 Unemployed persons 25 years and over as a percent of the civilian labor force .....	5.1	4.8	4.6	4.5	4.4	4.5	4.5	4.2
U-4 Unemployed full-time jobseekers as a percent of the full-time civilian labor force .....	6.2	5.9	5.6	5.5	5.4	5.4	5.3	5.3
U-5a Total unemployed as a percent of the labor force, including the resident Armed Forces .....	6.5	6.2	5.9	5.8	5.6	5.7	5.6	5.5
U-5b Total unemployed as a percent of the civilian labor force .....	6.6	6.3	6.0	5.9	5.7	5.8	5.7	5.6
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 .....	9.0	8.5	8.2	8.1	8.0	8.0	8.0	7.9
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 .....	9.9	9.3	9.0	8.8	8.8	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>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>CHARACTERISTIC</b>									
Total, 16 years and over .....	7,791	6,938	6,801	6.5	5.9	5.8	5.8	5.7	5.6
Men, 16 years and over .....	4,327	3,707	3,816	6.6	5.8	5.7	5.8	5.6	5.7
Men, 20 years and over .....	3,553	3,071	3,089	5.7	5.0	4.9	5.1	4.9	4.9
Women, 16 years and over .....	3,464	3,231	2,985	6.5	6.0	5.9	5.9	5.9	5.5
Women, 20 years and over .....	2,832	2,635	2,411	5.7	5.2	5.2	5.1	5.2	4.8
Both sexes, 16 to 19 years .....	1,406	1,232	1,301	17.8	16.6	16.1	16.0	15.4	16.5
Married men, spouse present .....	1,713	1,428	1,422	4.1	3.5	3.4	3.6	3.4	3.4
Married women, spouse present .....	1,308	1,226	1,185	4.5	4.2	4.3	4.2	4.1	4.0
Women who maintain families .....	636	557	497	9.7	8.5	8.4	8.9	8.3	7.5
Full-time workers .....	6,248	5,549	5,498	6.1	5.5	5.4	5.4	5.3	5.3
Part-time workers .....	1,571	1,379	1,330	9.1	8.2	8.0	8.3	7.9	7.7
Labor force time lost <sup>2</sup> .....	—	—	—	7.4	6.8	6.6	6.6	6.6	6.5
<b>INDUSTRY</b>									
Nonagricultural private wage and salary workers .....	5,806	5,175	5,061	6.5	5.8	5.7	5.8	5.7	5.6
Goods-producing industries .....	2,308	1,982	1,880	8.0	6.5	6.4	7.1	6.9	6.5
Mining .....	82	66	63	9.5	7.0	8.0	7.7	7.8	7.9
Construction .....	762	700	663	12.4	10.6	10.6	12.2	11.0	10.7
Manufacturing .....	1,464	1,226	1,153	6.7	5.3	5.1	5.6	5.6	5.2
Durable goods .....	848	763	683	6.6	4.8	4.8	5.5	5.9	5.2
Nondurable goods .....	616	463	471	7.0	5.9	5.6	5.8	5.3	5.3
Service-producing industries .....	3,498	3,182	3,181	5.8	5.5	5.3	5.3	5.1	5.2
Transportation and public utilities .....	281	236	272	4.5	4.5	4.6	3.6	3.6	4.2
Wholesale and retail trade .....	1,678	1,476	1,564	7.3	6.8	6.2	6.1	6.4	6.8
Finance and service industries .....	1,539	1,470	1,345	4.9	4.8	4.8	4.9	4.5	4.2
Government workers .....	593	483	485	3.5	3.4	3.2	3.0	2.8	2.8
Agricultural wage and salary workers .....	205	191	203	10.8	11.1	10.9	11.5	10.2	11.0

Unemployment as a percent of the civilian labor force.

economic reasons as a percent of potentially available labor force hours

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Table A-7. Duration of unemployment

(Numbers in thousands)

Weeks of unemployment	Not seasonally adjusted			Seasonally adjusted					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>DURATION</b>									
Less than 5 weeks .....	3,068	2,973	2,759	3,352	3,218	3,229	3,089	3,084	3,009
5 to 14 weeks .....	2,672	2,602	2,332	2,411	2,029	1,968	2,263	2,145	2,101
15 weeks and over .....	2,384	1,907	1,999	2,055	1,834	1,791	1,733	1,740	1,722
15 to 26 weeks .....	1,196	977	1,108	944	899	892	839	841	887
27 weeks and over .....	1,188	930	891	1,111	935	899	894	899	835
Average (mean) duration, in weeks .....	15.6	14.3	14.3	14.9	14.0	14.2	14.4	14.4	13.7
Median duration, in weeks .....	8.2	7.1	8.0	6.7	6.1	6.0	6.4	6.4	6.6
<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 .....	37.8	39.7	38.9	42.9	45.4	46.2	43.6	44.3	44.0
5 to 14 weeks .....	32.9	34.8	32.9	30.8	28.7	28.2	31.9	30.8	30.8
15 weeks and over .....	29.3	25.5	28.2	26.3	25.9	25.6	24.5	25.0	25.2
15 to 26 weeks .....	14.7	13.1	15.6	12.1	12.7	12.8	11.8	12.1	13.0
27 weeks and over .....	14.6	12.4	12.6	14.2	13.2	12.9	12.6	12.9	12.2

Table A-8. Reason for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted			Seasonally adjusted					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>NUMBER OF UNEMPLOYED</b>									
Job losers .....	4,227	3,739	3,506	3,791	3,307	3,200	3,209	3,207	3,139
On layoff .....	1,206	1,181	1,083	1,003	878	856	888	884	899
Other job losers .....	3,021	2,558	2,423	2,788	2,429	2,344	2,320	2,323	2,240
Job leavers .....	934	988	1,012	996	926	946	1,082	961	1,075
Reentrants .....	2,107	1,974	1,784	2,078	1,974	1,945	1,917	1,951	1,756
New entrants .....	857	782	789	952	855	909	885	864	887
<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 .....	52.0	50.0	49.5	48.5	48.8	45.7	45.2	45.9	45.8
On layoff .....	14.8	15.8	15.3	12.8	12.4	12.2	12.5	12.7	13.1
Other job losers .....	37.2	34.2	34.2	35.7	34.4	33.5	32.7	33.3	32.7
Job leavers .....	11.5	13.2	14.3	12.7	13.1	13.5	15.3	13.8	15.7
Reentrants .....	25.9	26.4	25.2	26.6	28.0	27.8	27.0	27.9	25.6
New entrants .....	10.5	10.4	11.1	12.2	12.1	13.0	12.5	12.4	12.9
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers .....	3.6	3.1	2.9	3.2	2.7	2.7	2.6	2.6	2.6
Job leavers .....	.8	.8	.8	.8	.8	.8	.9	.8	.9
Reentrants .....	1.8	1.6	1.5	1.7	1.6	1.6	1.6	1.6	1.5
New entrants .....	.7	.7	.7	.8	.7	.8	.7	.7	.7

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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					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
Total, 16 years and over .....	7,791	6,938	6,801	6.5	5.9	5.8	5.8	5.7	5.6
16 to 24 years .....	2,951	2,525	2,637	12.8	11.6	11.2	11.6	11.1	11.7
16 to 19 years .....	1,406	1,232	1,301	17.8	16.6	16.1	16.0	15.4	16.5
16 to 17 years .....	665	580	568	19.9	19.2	17.8	18.7	17.4	17.6
18 to 19 years .....	741	655	732	16.2	14.8	14.7	14.5	13.9	15.8
20 to 24 years .....	1,545	1,293	1,336	10.2	8.9	8.5	9.1	8.7	9.1
25 years and over .....	4,838	4,416	4,161	5.0	4.5	4.5	4.5	4.5	4.2
25 to 54 years .....	4,339	3,926	3,730	5.3	4.7	4.8	4.7	4.7	4.5
55 years and over .....	503	499	441	3.4	3.4	3.2	3.5	3.3	2.9
Men, 16 years and over .....	4,327	3,707	3,816	6.6	5.8	5.7	5.8	5.6	5.7
16 to 24 years .....	1,586	1,333	1,423	13.2	12.0	11.7	12.2	11.3	12.1
16 to 19 years .....	774	636	727	19.0	17.2	17.2	16.4	15.6	17.8
16 to 17 years .....	347	285	313	20.3	20.4	19.3	19.4	16.9	18.5
18 to 19 years .....	426	354	414	17.9	14.8	15.3	14.9	14.7	17.3
20 to 24 years .....	812	697	696	10.2	9.2	8.7	9.9	9.0	9.1
25 years and over .....	2,735	2,390	2,385	5.1	4.4	4.4	4.4	4.3	4.3
25 to 54 years .....	2,413	2,095	2,089	5.3	4.6	4.6	4.5	4.5	4.5
55 years and over .....	318	305	299	3.6	3.5	3.2	4.0	3.4	3.4
Women, 16 years and over .....	3,464	3,231	2,985	6.5	6.0	5.9	5.9	5.9	5.5
16 to 24 years .....	1,365	1,192	1,214	12.4	11.2	10.7	10.9	10.8	11.3
16 to 19 years .....	632	596	574	16.6	16.0	14.8	15.6	15.1	15.2
16 to 17 years .....	318	295	255	19.6	17.9	16.2	17.9	18.0	16.6
18 to 19 years .....	315	301	318	14.3	14.7	14.1	14.1	13.1	14.2
20 to 24 years .....	733	596	640	10.1	8.6	8.4	8.2	8.4	9.1
25 years and over .....	2,103	2,026	1,776	5.0	4.7	4.7	4.6	4.7	4.1
25 to 54 years .....	1,926	1,831	1,641	5.3	4.9	4.9	4.9	4.9	4.4
55 years and over .....	185	194	142	3.0	3.2	3.3	2.8	3.1	2.3

<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>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
Civilian noninstitutional population .....	25,618	26,196	26,243	25,618	26,021	26,068	26,146	26,196	26,243
Civilian labor force .....	16,216	16,544	16,569	16,434	16,869	16,853	16,926	16,779	16,779
Participation rate .....	63.3	63.2	63.1	64.2	64.8	64.7	64.7	64.1	63.9
Employed .....	14,197	14,641	14,664	14,392	15,017	15,008	15,076	14,884	14,853
Employment-population ratio <sup>2</sup> .....	55.4	55.9	55.9	56.2	57.7	57.6	57.7	56.8	56.6
Unemployed .....	2,019	1,904	1,905	2,042	1,852	1,845	1,850	1,895	1,926
Unemployment rate .....	12.5	11.5	11.5	12.4	11.0	10.9	10.9	11.3	11.5
Not in labor force .....	9,402	9,652	9,674	9,184	9,152	9,215	9,220	9,417	9,464

<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	
	Mar. 1987	Mar. 1988	Mar. 1987	Mar. 1988	Mar. 1987	Mar. 1988
Total, 16 years and over <sup>1</sup> .....	110,229	112,867	8,124	7,090	6.9	5.9
Managerial and professional specialty .....	27,674	28,928	638	473	2.3	1.6
Executive, administrative, and managerial .....	13,002	13,860	349	284	2.6	2.0
Professional specialty .....	14,673	15,068	289	189	1.9	1.2
Technical, sales, and administrative support .....	34,594	35,449	1,730	1,524	4.8	4.1
Technicians and related support .....	3,254	3,498	97	83	2.9	2.3
Sales occupations .....	13,207	13,575	764	726	5.5	5.1
Administrative support, including clerical .....	18,134	18,376	869	715	4.6	3.7
Service occupations .....	14,882	14,893	1,290	1,118	8.0	7.0
Private household .....	939	855	44	38	4.4	4.2
Protective service .....	1,897	1,855	67	75	3.4	3.9
Service, except private household and protective .....	12,046	12,183	1,179	1,005	8.9	7.6
Precision production, craft, and repair .....	13,145	13,307	1,033	970	7.3	6.8
Mechanics and repairers .....	4,429	4,511	200	186	4.3	4.0
Construction trades .....	4,746	4,758	592	546	11.1	10.3
Other precision production, craft, and repair .....	3,970	4,038	242	238	5.7	5.6
Operators, fabricators, and laborers .....	16,785	17,278	2,179	1,888	11.5	9.8
Machine operators, assemblers, and inspectors .....	7,732	7,996	869	706	10.1	8.1
Transportation and material moving occupations .....	4,534	4,673	459	440	9.2	8.6
Handlers, equipment cleaners, helpers, and laborers .....	4,519	4,610	851	742	15.9	13.9
Construction laborers .....	610	681	255	227	29.5	25.0
Other handlers, equipment cleaners, helpers, and laborers .....	3,909	3,929	596	515	13.2	11.6
Farming, forestry, and fishing .....	3,149	3,012	339	283	9.7	8.6

<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		
	Mar. 1987	Mar. 1988	Mar. 1987	Mar. 1988	Mar. 1987	Mar. 1988	Mar. 1987	Mar. 1988	Number	Percent of labor force
<b>VIETNAM-ERA VETERANS</b>										
Total, 30 years and over .....	7,810	7,885	7,208	7,271	6,802	6,896	406	375	5.6	5.2
30 to 44 years .....	6,254	6,009	5,971	5,722	5,644	5,391	327	331	5.5	5.8
30 to 34 years .....	987	766	921	723	836	643	85	80	9.2	11.1
35 to 39 years .....	2,744	2,292	2,632	2,179	2,486	2,043	146	136	5.5	6.2
40 to 44 years .....	2,523	2,951	2,418	2,820	2,322	2,705	96	115	4.0	4.1
45 years and over .....	1,556	1,876	1,237	1,549	1,158	1,505	79	44	6.4	2.8
<b>NONVETERANS</b>										
Total, 30 to 44 years .....	18,159	20,129	18,104	18,892	17,082	17,988	1,022	904	5.6	4.8
30 to 34 years .....	8,711	8,991	8,288	8,470	7,823	8,024	465	446	5.6	5.3
35 to 39 years .....	6,109	6,673	5,774	6,273	5,428	5,988	346	285	6.0	4.5
40 to 44 years .....	4,339	4,465	4,042	4,149	3,831	3,976	211	173	5.2	4.2

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

## 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>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>California</b>									
Civilian noninstitutional population .....	20,399	20,824	20,860	20,399	20,714	20,751	20,787	20,824	20,860
Civilian labor force .....	13,597	13,975	13,958	13,619	13,912	13,950	13,981	14,032	13,976
Employed .....	12,739	13,164	13,218	12,799	13,172	13,221	13,267	13,279	13,272
Unemployed .....	858	812	740	820	740	729	714	753	704
Unemployment rate .....	6.3	5.8	5.3	6.0	5.3	5.2	5.1	5.4	5.0
<b>Florida</b>									
Civilian noninstitutional population .....	9,354	9,588	9,609	9,354	9,527	9,548	9,568	9,588	9,609
Civilian labor force .....	5,810	5,959	6,045	5,834	5,958	5,990	5,993	6,013	6,066
Employed .....	5,498	5,661	5,758	5,511	5,647	5,681	5,698	5,695	5,771
Unemployed .....	312	298	287	323	311	309	295	318	295
Unemployment rate .....	5.4	5.0	4.7	5.5	5.2	5.2	4.9	5.3	4.9
<b>Illinois</b>									
Civilian noninstitutional population .....	8,722	8,767	8,770	8,722	8,757	8,761	8,764	8,767	8,770
Civilian labor force .....	5,609	5,739	5,677	5,677	5,764	5,751	5,795	5,839	5,749
Employed .....	5,155	5,270	5,237	5,243	5,364	5,325	5,407	5,401	5,330
Unemployed .....	454	469	440	434	400	426	388	438	419
Unemployment rate .....	8.1	8.2	7.8	7.6	6.9	7.4	6.7	7.5	7.3
<b>Massachusetts</b>									
Civilian noninstitutional population .....	4,581	4,598	4,599	4,581	4,594	4,596	4,597	4,598	4,599
Civilian labor force .....	3,058	3,101	3,169	3,081	3,093	3,088	3,142	3,147	3,190
Employed .....	2,921	2,985	3,055	2,964	3,009	2,998	3,036	3,041	3,096
Unemployed .....	136	116	114	117	84	90	106	106	94
Unemployment rate .....	4.5	3.8	3.6	3.8	2.7	2.9	3.4	3.4	2.9
<b>Michigan</b>									
Civilian noninstitutional population .....	6,909	6,972	6,977	6,909	6,956	6,962	6,966	6,972	6,977
Civilian labor force .....	4,463	4,469	4,449	4,502	4,519	4,529	4,472	4,530	4,488
Employed .....	4,088	4,071	4,064	4,141	4,159	4,137	4,018	4,149	4,117
Unemployed .....	376	398	385	361	360	392	454	381	371
Unemployment rate .....	8.4	8.9	8.6	8.0	8.0	8.7	10.2	8.4	8.3
<b>New Jersey</b>									
Civilian noninstitutional population .....	5,989	6,027	6,029	5,989	6,018	6,021	6,024	6,027	6,029
Civilian labor force .....	3,965	3,970	3,976	3,975	3,994	4,005	4,037	3,991	3,985
Employed .....	3,795	3,810	3,803	3,820	3,847	3,848	3,884	3,856	3,826
Unemployed .....	170	161	173	155	147	157	153	135	159
Unemployment rate .....	4.3	4.0	4.4	3.9	3.7	3.9	3.8	3.4	4.0
<b>New York</b>									
Civilian noninstitutional population .....	13,745	13,789	13,770	13,745	13,766	13,768	13,768	13,769	13,770
Civilian labor force .....	8,437	8,426	8,427	8,472	8,553	8,512	8,524	8,505	8,465
Employed .....	7,987	8,054	8,064	8,063	8,112	8,127	8,120	8,172	8,142
Unemployed .....	449	372	362	409	441	385	404	333	323
Unemployment rate .....	5.3	4.4	4.3	4.8	5.2	4.5	4.7	3.9	3.8
<b>North Carolina</b>									
Civilian noninstitutional population .....	4,786	4,858	4,864	4,786	4,840	4,846	4,852	4,858	4,864
Civilian labor force .....	3,219	3,284	3,265	3,247	3,314	3,291	3,291	3,300	3,296
Employed .....	3,060	3,146	3,136	3,091	3,181	3,144	3,135	3,180	3,171
Unemployed .....	159	138	129	156	133	147	156	120	125
Unemployment rate .....	4.9	4.2	4.0	4.8	4.0	4.5	4.7	3.6	3.8
<b>Ohio</b>									
Civilian noninstitutional population .....	8,139	8,184	8,188	8,139	8,174	8,178	8,181	8,184	8,188
Civilian labor force .....	5,161	5,279	5,295	5,237	5,263	5,264	5,330	5,355	5,369
Employed .....	4,756	4,904	4,879	4,838	4,945	4,937	4,983	5,013	4,958
Unemployed .....	406	374	416	399	318	327	347	342	411
Unemployment rate .....	7.9	7.1	7.9	7.6	6.0	6.2	6.5	6.4	7.7

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>					
	Mar. 1987	Feb. 1988	Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	Mar. 1988
<b>Pennsylvania</b>									
Civilian noninstitutional population .....	9,277	9,312	9,314	9,277	9,305	9,307	9,309	9,312	9,314
Civilian labor force .....	5,450	5,653	5,617	5,564	5,709	5,780	5,827	5,786	5,728
Employed .....	5,110	5,319	5,304	5,243	5,394	5,457	5,497	5,486	5,435
Unemployed .....	340	334	314	321	315	323	330	300	293
Unemployment rate .....	6.2	5.9	5.6	5.8	5.5	5.6	5.7	5.2	5.1
<b>Texas</b>									
Civilian noninstitutional population .....	12,006	12,053	12,056	12,006	12,044	12,048	12,050	12,053	12,056
Civilian labor force .....	8,008	8,210	8,167	8,085	8,351	8,286	8,255	8,306	8,252
Employed .....	7,348	7,492	7,493	7,432	7,659	7,646	7,595	7,610	7,582
Unemployed .....	660	718	674	653	692	640	660	696	670
Unemployment rate .....	8.2	8.7	8.3	8.1	8.3	7.7	8.0	8.4	8.1

<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.



## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-14. Persons not in the labor force by reason, sex, and race, quarterly averages

(In thousands)

Reason, sex, and race	Not seasonally adjusted		Seasonally adjusted				
	1987	1988	1987				1988
	I	I	I	II	III	IV	I
<b>TOTAL</b>							
Total not in labor force .....	63,994	64,087	62,851	62,901	62,963	62,899	62,825
Do not want a job now .....	58,063	58,442	56,983	57,008	57,490	57,408	57,414
Current activity: Going to school .....	8,098	8,012	6,394	6,403	6,388	6,414	6,325
Ill, disabled .....	4,187	4,329	4,111	4,193	4,426	4,467	4,254
Keeping house .....	26,168	25,277	26,182	25,550	25,646	25,513	25,289
Retired .....	15,828	16,798	15,872	16,250	16,317	16,508	16,862
Other activity .....	3,783	4,027	4,424	4,611	4,713	4,507	4,684
Want a job now .....	5,932	5,645	5,780	5,871	5,802	5,462	5,510
Reason not looking: School attendance .....	1,557	1,518	1,348	1,470	1,556	1,389	1,310
Ill health, disability .....	804	800	848	914	847	834	850
Home responsibilities .....	1,225	1,176	1,231	1,325	1,274	1,234	1,182
Think cannot get a job .....	1,217	1,099	1,135	1,048	992	910	1,027
Job-market factors <sup>1</sup> .....	805	738	762	694	635	581	700
Personal factors <sup>2</sup> .....	412	361	373	354	357	329	327
Other reasons <sup>3</sup> .....	1,130	1,053	1,218	1,114	1,132	1,094	1,141
<b>Men</b>							
Total not in labor force .....	21,181	21,629	20,486	20,681	20,811	20,845	20,856
Do not want a job now .....	19,114	19,602	18,459	18,585	18,945	18,878	18,997
Want a job now .....	2,068	2,026	1,994	2,062	2,064	1,918	1,971
Reason not looking: School attendance .....	767	736	661	750	773	737	633
Ill health, disability .....	377	369	408	463	416	414	406
Think cannot get a job .....	501	488	469	428	431	358	462
Other reasons <sup>3</sup> .....	422	433	456	421	444	409	471
<b>Women</b>							
Total not in labor force .....	42,813	42,458	42,365	42,220	42,152	42,055	41,970
Do not want a job now .....	38,949	38,840	38,524	38,423	38,545	38,530	38,417
Want a job now .....	3,864	3,618	3,786	3,809	3,738	3,545	3,539
Reason not looking: School attendance .....	790	782	687	720	784	653	677
Ill health, disability .....	427	431	440	451	431	421	444
Home responsibilities .....	1,225	1,176	1,231	1,325	1,274	1,234	1,182
Think cannot get a job .....	716	611	666	619	561	552	566
Other reasons .....	707	620	762	693	688	685	670
<b>White</b>							
Total not in labor force .....	54,568	54,470	53,658	53,627	53,771	53,679	53,455
Do not want a job now .....	50,290	50,384	49,437	49,284	49,536	49,564	49,536
Want a job now .....	4,275	4,077	4,198	4,344	4,252	4,045	4,020
Reason not looking: School attendance .....	1,058	1,050	951	1,093	1,062	986	945
Ill health, disability .....	579	604	617	683	648	646	644
Home responsibilities .....	912	837	912	959	948	909	837
Think cannot get a job .....	843	756	771	714	643	620	697
Other reasons <sup>3</sup> .....	883	830	946	896	951	884	897
<b>Black</b>							
Total not in labor force .....	7,571	7,613	7,367	7,457	7,326	7,294	7,406
Do not want a job now .....	6,116	6,249	5,962	6,169	6,068	6,083	6,094
Want a job now .....	1,454	1,365	1,402	1,294	1,237	1,210	1,320
Reason not looking: School attendance .....	414	423	346	315	333	341	351
Ill health, disability .....	208	189	225	193	168	165	195
Home responsibilities .....	289	306	291	313	275	304	310
Think cannot get a job .....	344	283	327	298	315	237	266
Other reasons <sup>3</sup> .....	188	184	212	175	145	163	198

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

education or training," and "other personal handicap."

<sup>3</sup> Includes small number of men not looking for work because of "home responsibilities."

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-1. Employees on nonagricultural payrolls by industry

(In thousands)

(In thousands)

Industry	Not seasonally adjusted				Seasonally adjusted									
	Mar. 1987	Jan. 1988	Feb. 1988	p	Mar. 1988	p	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988	p	Mar. 1988	p
Total	100,462	102,388	102,951		103,698		101,329	103,295	103,612	103,827	104,344		104,606	
Total private	83,152	85,136	85,376		86,009		84,352	86,072	86,341	86,560	87,040		87,253	
Goods-producing	24,214	24,639	24,662		24,871		24,749	25,169	25,259	25,295	25,342		25,426	
Mining	718	744	743		750		722	759	756	746	749		755	
Oil and gas extraction	408.5	438.0	436.1		437.8		408	439	436	430	432		437	
Construction	4,599	4,643	4,632		4,802		5,032	5,074	5,121	5,058	5,175		5,254	
General building contractors	1,196.4	1,214.1	1,196.4		1,221.0		1,291	1,290	1,290	1,303	1,322		1,321	
Manufacturing	18,897	19,252	19,287		19,319		18,995	19,336	19,382	19,431	19,418		19,417	
Production workers	12,846	13,122	13,164		13,199		12,925	13,197	13,241	13,250	13,277		13,272	
Durable goods	11,145	11,337	11,354		11,383		11,176	11,367	11,403	11,403	11,412		11,414	
Production workers	7,382	7,538	7,561		7,593		7,399	7,568	7,597	7,588	7,606		7,606	
Lumber and wood products	713.5	726.5	727.8		726.8		734	750	753	753	753		749	
Furniture and fixtures	503.2	534.0	532.1		531.2		502	526	530	532	531		530	
Stone, clay, and glass products	569.9	564.7	563.1		571.2		586	588	590	585	588		597	
Primary metal industries	742.2	768.7	771.4		772.5		739	771	771	768	770		769	
Blast furnaces and basic steel products	267.0	284.5	285.2		284.0		266	287	285	284	285		283	
Fabricated metal products	1,414.5	1,445.9	1,447.7		1,451.3		1,419	1,446	1,451	1,452	1,455		1,456	
Machinery, except electrical	2,025.1	2,097.1	2,106.1		2,122.8		2,015	2,074	2,085	2,097	2,102		2,112	
Electrical and electronic equipment	2,092.6	2,128.1	2,123.3		2,124.9		2,099	2,118	2,128	2,130	2,128		2,131	
Transportation equipment	2,025.8	2,003.2	2,006.8		2,003.9		2,022	2,016	2,018	2,005	2,001		2,000	
Motor vehicles and equipment	857.2	814.5	819.3		824.9		854	835	832	820	818		822	
Instruments and related products	694.3	701.0	703.0		703.3		694	701	701	702	704		703	
Miscellaneous manufacturing	363.8	367.8	372.9		375.5		366	377	376	378	380		378	
Nondurable goods	7,752	7,915	7,933		7,936		7,819	7,969	7,979	7,998	8,006		8,003	
Production workers	5,464	5,584	5,603		5,606		5,526	5,629	5,644	5,662	5,671		5,666	
Food and kindred products	1,576.2	1,607.9	1,601.6		1,593.8		1,635	1,645	1,645	1,661	1,660		1,653	
Tobacco manufactures	55.5	58.6	56.2		53.6		57	56	56	57	56		55	
Textile mill products	722.1	733.1	734.3		733.2		725	738	739	736	738		736	
Apparel and other textile products	1,105.2	1,108.4	1,117.5		1,117.2		1,103	1,128	1,121	1,117	1,115		1,115	
Paper and allied products	675.0	677.6	677.7		677.5		678	680	681	681	682		681	
Printing and publishing	1,486.5	1,528.7	1,538.1		1,544.4		1,485	1,522	1,525	1,530	1,538		1,543	
Chemicals and allied products	1,015.5	1,041.6	1,045.7		1,051.2		1,017	1,041	1,047	1,048	1,050		1,052	
Petroleum and coal products	162.0	163.2	162.8		163.9		164	167	167	167	166		166	
Rubber and miscellaneous plastics products	807.6	843.6	846.4		848.6		807	840	845	847	847		848	
Leather and leather products	146.4	152.3	152.8		153.0		148	152	153	154	154		154	
Service-producing	76,248	77,749	78,289		78,827		76,580	78,116	78,353	78,622	79,002		79,180	
Transportation and public utilities	5,275	5,425	5,438		5,462		5,333	5,459	5,473	5,485	5,504		5,522	
Transportation	3,065	3,195	3,206		3,227		3,112	3,218	3,233	3,244	3,261		3,276	
Communication and public utilities	2,210	2,230	2,232		2,235		2,221	2,241	2,240	2,241	2,243		2,246	
Wholesale trade	5,725	5,843	5,853		5,878		5,766	5,851	5,871	5,884	5,903		5,920	
Durable goods	3,380	3,464	3,473		3,492		3,397	3,456	3,473	3,481	3,494		3,510	
Nondurable goods	2,345	2,379	2,380		2,386		2,369	2,395	2,398	2,403	2,409		2,410	
Retail trade	17,737	18,340	18,215		18,312		18,136	18,443	18,458	18,619	18,720		18,724	
General merchandise stores	2,278.5	2,544.4	2,444.6		2,408.0		2,380	2,454	2,453	2,490	2,533		2,503	
Food stores	2,906.0	3,006.9	3,004.4		3,008.7		2,944	2,982	2,996	3,019	3,032		3,045	
Automotive dealers and service stations	1,958.8	2,002.9	2,011.2		2,034.4		1,979	2,003	2,013	2,023	2,040		2,055	
Eating and drinking places	5,789.3	5,797.5	5,823.1		5,943.4		5,964	6,047	6,064	6,083	6,097		6,115	
Finance, insurance, and real estate	6,478	6,626	6,623		6,644		6,526	6,657	6,668	6,684	6,687		6,694	
Finance	3,246	3,296	3,284		3,285		3,256	3,301	3,301	3,309	3,301		3,295	
Insurance	2,020	2,082	2,091		2,094		2,022	2,069	2,082	2,086	2,093		2,096	
Real estate	1,212	1,248	1,248		1,265		1,248	1,287	1,285	1,289	1,293		1,303	
Services	23,723	24,263	24,585		24,842		23,842	24,493	24,612	24,683	24,884		24,967	
Business services	4,963.9	5,154.5	5,200.2		5,251.3		5,020	5,195	5,217	5,228	5,296		5,310	
Health services	6,762.1	7,071.1	7,109.5		7,149.5		6,773	7,023	7,063	7,085	7,131		7,157	
Government	17,310	17,252	17,575		17,689		16,977	17,213	17,271	17,267	17,304		17,353	
Federal	2,916	2,953	2,958		2,966		2,922	2,977	2,981	2,977	2,979		2,972	
State	4,036	3,964	4,100		4,123		3,930	3,978	3,996	3,996	4,004		4,019	
Local	10,358	10,335	10,517		10,600		10,125	10,258	10,294	10,294	10,321		10,362	

p = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	Mar. 1987	Jan. 1988	Feb. 1988 P	Mar. 1988 P	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988 P	Mar. 1988 P
Total private .....	34.6	34.4	34.5	34.4	34.8	34.9	34.6	34.8	34.8	34.6
Mining .....	41.8	41.9	41.5	41.1	(2)	(2)	(2)	(2)	(2)	(2)
Construction .....	37.4	36.0	36.2	37.6	(2)	(2)	(2)	(2)	(2)	(2)
Manufacturing .....	40.9	41.0	40.7	40.9	40.9	41.2	41.0	41.2	41.0	40.9
Overtime hours .....	3.6	3.8	3.6	3.6	3.6	3.9	3.8	3.9	3.7	3.7
Durable goods .....	41.6	41.6	41.3	41.6	41.5	41.9	41.5	41.7	41.5	41.5
Overtime hours .....	3.7	3.9	3.7	3.8	3.7	4.0	3.9	4.0	3.8	3.8
Lumber and wood products .....	40.7	39.5	39.8	39.8	40.9	40.8	40.4	40.1	40.4	40.0
Furniture and fixtures .....	39.8	39.0	38.8	38.8	40.0	40.0	39.8	39.4	39.5	39.0
Stone, clay, and glass products .....	42.0	40.9	41.2	42.1	42.5	42.5	42.5	42.0	42.3	42.6
Primary metal industries .....	42.8	43.5	43.3	43.5	42.6	43.7	43.6	43.5	43.2	43.3
Blast furnaces and basic steel products .....	42.6	43.8	44.2	44.0	42.3	44.0	44.3	44.0	44.0	43.9
Fabricated metal products .....	41.5	41.8	41.2	41.5	41.5	42.1	41.7	41.9	41.4	41.5
Machinery, except electrical .....	42.2	42.8	42.5	42.6	42.0	42.7	42.5	42.8	42.6	42.4
Electrical and electronic equipment .....	40.9	41.3	40.7	41.1	40.9	41.0	40.9	41.2	40.9	41.1
Transportation equipment .....	42.6	42.5	41.9	42.3	42.3	42.4	41.4	42.3	42.0	42.0
Motor vehicles and equipment .....	43.2	42.7	42.3	42.9	42.9	43.1	41.4	42.4	42.5	42.6
Instruments and related products .....	41.5	41.9	41.3	41.5	41.3	41.7	41.3	41.9	41.3	41.2
Miscellaneous manufacturing .....	39.3	38.9	38.8	38.9	(2)	(2)	(2)	(2)	(2)	(2)
Non-durable goods .....	40.0	40.2	39.9	40.0	40.1	40.4	40.3	40.4	40.2	40.1
Overtime hours .....	3.4	3.6	3.4	3.4	3.5	3.8	3.7	3.8	3.6	3.5
Food and kindred products .....	39.5	40.6	39.7	39.7	40.0	40.6	40.6	40.8	40.4	40.2
Tobacco manufactures .....	38.1	39.2	38.3	36.9	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products .....	42.0	41.5	41.3	41.1	42.1	41.8	41.7	41.7	41.7	41.3
Apparel and other textile products .....	37.0	36.7	36.7	37.0	37.0	37.1	37.2	36.9	37.0	37.0
Paper and allied products .....	42.9	43.6	43.0	43.2	43.0	43.5	43.2	43.6	43.3	43.3
Printing and publishing .....	38.0	37.7	37.7	38.2	37.9	38.0	37.9	38.0	38.0	38.1
Chemicals and allied products .....	42.1	42.7	42.4	42.6	42.0	42.7	42.7	42.7	42.5	42.5
Petroleum and coal products .....	43.9	43.9	42.8	43.4	44.1	43.6	44.3	44.2	43.4	43.5
Rubber and miscellaneous plastics products .....	41.5	41.8	41.4	41.7	(2)	(2)	(2)	(2)	(2)	(2)
Leather and leather products .....	37.5	37.7	36.9	37.6	(2)	(2)	(2)	(2)	(2)	(2)
Transportation and public utilities .....	38.9	38.9	38.8	38.6	39.0	39.1	39.0	39.4	39.0	38.6
Wholesale trade .....	37.9	38.0	38.0	37.8	38.1	38.3	38.1	38.2	38.3	38.0
Retail trade .....	28.9	28.4	28.5	28.6	29.3	29.2	28.8	29.0	29.1	28.9
Finance, insurance, and real estate .....	36.3	36.3	36.4	35.7	(2)	(2)	(2)	(2)	(2)	(2)
Services .....	32.4	32.4	32.6	32.3	32.5	32.6	32.4	32.6	32.8	32.4

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

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

P = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-3. Average hourly and weekly earnings of production or nonsupervisory workers' on private nonagricultural payrolls by industry

Industry	Average hourly earnings				Average weekly earnings			
	Mar. 1987	Jan. 1988	Feb. 1988 p	Mar. 1988 p	Mar. 1987	Jan. 1988	Feb. 1988 p	Mar. 1988 p
Total private .....	\$8.92	\$9.18	\$9.18	\$9.20	\$308.63	\$315.79	\$316.71	\$316.48
Seasonally adjusted .....	8.91	9.15	9.13	9.19	310.07	318.42	317.72	317.97
Mining .....	12.51	12.69	12.62	12.58	522.92	531.71	523.73	517.04
Construction .....	12.59	12.93	12.76	12.82	470.87	465.48	461.91	482.03
Manufacturing .....	9.85	10.07	10.06	10.08	402.87	412.87	409.44	412.27
Durable goods .....	10.39	10.62	10.61	10.63	432.22	441.79	438.19	442.21
Lumber and wood products .....	8.28	8.52	8.53	8.47	337.00	336.54	339.49	337.11
Furniture and fixtures .....	7.58	7.82	7.76	7.80	301.68	304.98	301.09	302.64
Stone, clay, and glass products .....	10.13	10.37	10.35	10.36	425.46	424.13	426.42	436.16
Primary metal industries .....	11.82	12.10	12.08	12.12	505.90	526.35	523.06	527.22
Blast furnaces and basic steel products .....	13.66	13.92	13.98	13.99	581.92	609.70	617.92	615.56
Fabricated metal products .....	9.99	10.17	10.17	10.19	414.59	425.11	419.00	422.89
Machinery, except electrical .....	10.72	10.92	10.88	10.91	452.38	467.38	462.40	464.77
Electrical and electronic equipment .....	9.84	10.03	10.04	10.09	402.46	414.24	408.63	414.70
Transportation equipment .....	12.86	13.19	13.20	13.25	547.84	560.58	553.08	560.48
Motor vehicles and equipment .....	13.49	13.90	13.92	14.03	582.77	593.53	588.82	601.89
Instruments and related products .....	9.67	9.97	9.98	9.93	401.31	417.74	412.17	412.10
Miscellaneous manufacturing .....	7.66	7.97	7.90	7.92	301.04	310.03	306.52	308.09
Nondurable goods .....	9.09	9.30	9.29	9.31	363.60	373.86	370.67	372.40
Food and kindred products .....	8.93	9.05	9.05	9.06	352.74	367.43	359.29	359.68
Tobacco manufactures .....	13.80	13.70	13.89	14.15	525.78	537.04	531.99	522.14
Textile mill products .....	7.12	7.36	7.32	7.34	299.04	305.44	302.32	301.67
Apparel and other textile products .....	5.93	6.04	6.02	6.04	219.41	221.67	220.93	223.48
Paper and allied products .....	11.27	11.52	11.49	11.49	483.48	502.27	494.07	496.37
Printing and publishing .....	10.17	10.39	10.41	10.42	386.46	391.70	392.46	398.04
Chemicals and allied products .....	12.24	12.56	12.54	12.52	515.30	536.31	531.70	533.35
Petroleum and coal products .....	14.50	14.83	14.94	15.03	636.55	651.04	639.43	652.30
Rubber and miscellaneous plastics products .....	8.80	8.97	8.97	8.98	365.20	374.95	371.36	374.47
Leather and leather products .....	6.06	6.10	6.14	6.16	227.25	229.97	226.57	231.62
Transportation and public utilities .....	11.90	12.11	12.17	12.16	462.91	471.08	472.20	469.38
Wholesale trade .....	9.53	9.79	9.80	9.82	361.19	372.02	372.40	371.20
Retail trade .....	6.08	6.25	6.24	6.25	175.71	177.50	177.84	178.75
Finance, insurance, and real estate .....	8.72	9.00	9.07	9.04	316.54	326.70	330.15	322.73
Services .....	8.41	8.79	8.79	8.80	272.48	284.80	286.55	284.24

1 See footnote 1, table B-2.

p = preliminary.

Table B-4. Hourly Earnings Index for production or nonsupervisory workers' on private nonagricultural payrolls by industry (1977 = 100)

Industry	Not seasonally adjusted					Seasonally adjusted						
					Percent change from:							Percent change from:
	Mar. 1987	Jan. 1988	Feb. 1988p	Mar. 1988p	Mar. 1987- Mar. 1988	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988p	Mar. 1988p	Feb. 1988- Mar. 1988
Total private nonfarm:												
Current dollars .....	172.3	176.8	177.0	177.3	2.9	172.2	175.8	175.7	176.4	176.5	177.1	0.4
Constant (1977) dollars .....	94.6	94.1	94.0	N.A.	(2)	94.4	93.8	93.6	93.7	93.6	N.A.	(3)
Mining .....	181.4	185.0	184.9	184.8	1.9	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Construction .....	153.0	156.9	155.2	156.0	2.0	153.8	156.6	154.4	157.1	155.8	156.8	.6
Manufacturing .....	174.6	177.5	177.8	178.1	2.0	174.3	176.6	176.9	176.9	177.5	177.8	.2
Transportation and public utilities .....	174.4	177.2	178.4	178.3	2.2	174.6	177.1	177.4	176.9	177.7	178.4	.4
Wholesale trade .....	175.8	180.3	180.5	181.0	3.0	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Retail trade .....	159.4	163.1	163.3	163.8	2.7	159.0	162.3	162.7	163.1	162.8	163.3	.3
Finance, insurance, and real estate .....	187.0	193.8	195.2	194.8	4.2	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Services .....	179.3	187.3	187.3	187.6	4.6	179.0	185.2	185.1	185.4	186.0	187.3	.7

1 See footnote 1, table B-2.

2 Change is -1.1 percent from February 1987 to February 1988, the latest month available.

3 Change is -.1 percent from January 1988 to February 1988, the latest month available.

4 These series are not 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.

N.A. Data not available.

p = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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

(1977 = 100)

Industry	Not seasonally adjusted				Seasonally adjusted					
	Mar. 1987	Jan. 1988	Feb. 1988 <sup>p</sup>	Mar. 1988 <sup>p</sup>	Mar. 1987	Nov. 1987	Dec. 1987	Jan. 1988	Feb. 1988 <sup>p</sup>	Mar. 1988 <sup>p</sup>
Total	116.9	119.0	119.5	120.3	119.6	122.3	121.3	122.4	123.4	120.9
Goods-producing	95.9	97.3	96.8	99.0	98.9	101.4	101.6	102.6	101.5	102.1
Mining	78.8	83.3	82.7	82.5	80.0	96.4	95.9	92.7	93.6	93.5
Construction	119.4	115.2	115.5	125.3	135.5	136.1	139.5	130.5	137.2	140.3
Manufacturing	92.2	94.4	93.9	94.7	92.9	95.4	95.2	95.6	95.4	95.3
Durable goods	90.2	92.2	91.6	92.6	90.2	93.0	92.6	93.0	92.8	92.7
Lumber and wood products	98.7	97.2	98.0	97.8	102.5	104.2	103.7	102.5	103.5	101.7
Furniture and fixtures	107.8	112.1	111.0	110.9	107.9	113.3	113.5	112.6	112.6	111.2
Stone, clay, and glass products	83.7	80.7	81.2	84.3	87.5	98.1	89.7	86.7	87.5	89.1
Primary metal industries	62.6	66.8	66.9	67.5	61.9	67.3	67.1	66.6	66.5	66.7
Blast furnaces and basic steel products	49.6	54.5	55.3	55.1	47.7	55.0	55.1	54.8	55.3	54.8
Fabricated metal products	88.6	91.4	90.4	91.5	88.9	92.2	91.7	92.2	91.4	91.7
Machinery, except electrical	85.8	91.5	91.2	92.7	84.7	90.1	90.1	91.3	91.1	91.4
Electrical and electronic equipment	99.9	103.7	101.9	103.1	99.9	102.0	102.7	103.1	102.5	103.2
Transportation equipment	99.6	96.9	96.0	96.6	98.2	97.3	94.9	96.4	95.6	95.3
Motor vehicles and equipment	99.2	84.0	83.8	85.6	88.0	86.7	83.0	83.8	83.9	84.2
Instruments and related products	102.6	105.6	104.6	105.7	101.7	104.6	103.6	105.7	105.0	104.7
Miscellaneous manufacturing	80.1	79.3	80.9	81.4	81.1	92.5	82.0	92.6	83.9	92.1
Nondurable goods	95.2	97.8	97.3	97.7	96.5	99.0	99.2	99.6	99.3	99.1
Food and kindred products	93.6	98.4	95.9	95.1	99.4	101.4	101.4	103.2	102.3	101.2
Tobacco manufactures	73.5	81.0	75.1	67.4	77.7	75.4	78.5	78.9	76.7	70.1
Textile mill products	82.3	82.6	82.5	81.9	82.9	83.8	83.6	83.3	83.7	82.9
Apparel and other textile products	85.6	85.0	85.9	86.7	85.3	87.6	87.3	86.4	86.5	86.3
Paper and allied products	99.1	100.8	99.8	100.3	99.7	101.0	100.5	101.5	101.2	101.2
Printing and publishing	129.8	133.0	134.1	136.4	129.4	133.0	133.1	134.4	135.3	136.1
Chemicals and allied products	93.3	97.1	97.1	98.3	93.1	97.0	97.8	97.8	97.5	97.9
Petroleum and coal products	81.3	82.7	80.6	82.6	83.3	83.9	86.9	85.9	84.3	84.5
Rubber and miscellaneous plastics products	113.8	120.0	119.1	120.4	113.5	119.3	119.8	120.2	119.4	119.7
Leather and leather products	56.6	59.1	57.9	59.2	57.8	60.2	60.2	60.2	59.7	60.3
Service-producing	128.5	131.0	132.1	132.1	131.0	133.6	133.0	134.4	135.5	134.4
Transportation and public utilities	106.2	109.1	109.3	109.4	107.7	110.7	110.5	112.0	111.2	110.5
Wholesale trade	115.4	117.9	118.0	118.2	116.9	119.0	118.8	119.6	120.3	115.9
Retail trade	115.7	117.4	117.1	117.9	120.3	121.6	120.1	122.0	123.0	122.0
Finance, insurance, and real estate	139.9	141.4	141.7	139.2	141.5	142.9	141.1	143.1	143.0	140.7
Services	148.6	152.0	155.1	155.0	150.2	154.6	154.5	155.7	157.9	154.6

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

p = preliminary.

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

Time span	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Over 1-month span	1986.....	53.2	48.1	48.1	53.5	52.4	46.8	52.4	56.2	55.1	53.2	59.7	59.7
	1987.....	53.5	56.8	58.6	58.4	58.6	55.7	68.6	54.6	65.4	65.4	71.4	63.2
	1988.....	60.0	p62.2	p55.7									
Over 3-month span	1986.....	49.7	44.9	45.7	48.4	47.6	45.4	48.4	55.1	55.9	58.1	59.6	60.3
	1987.....	58.6	59.5	61.1	61.6	61.4	67.3	66.2	75.1	69.7	77.8	75.9	70.5
	1988.....	p67.6	p64.1										
Over 6-month span	1986.....	47.6	47.6	43.0	43.2	45.4	49.4	47.3	53.0	59.2	58.9	57.9	58.9
	1987.....	61.9	62.7	58.9	57.3	67.6	71.1	76.2	78.6	90.3	75.7	p77.6	p74.3
	1988.....												
Over 12-month span	1986.....	43.2	44.1	46.2	45.7	47.8	49.5	49.5	51.6	54.9	52.2	55.1	54.4
	1987.....	62.2	63.5	67.3	68.9	73.8	72.4	76.2	p77.3	p77.3			
	1988.....												

<sup>1</sup> Number of employees seasonally adjusted for 1, 3, and 6 month spans on payrolls of 125 private nonagricultural industries. Data for the 12-month span are unadjusted.  
p = preliminary

NOTE: Figures are the percent of industries with employment rising. Half of the unchanged components are counted as rising. Data are centered within the spans.