

# News

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## THE EMPLOYMENT SITUATION: AUGUST 1989

Employment rose moderately and unemployment was unchanged in August, the Bureau of Labor Statistics of the U. S. Department of Labor reported today. The overall jobless rate was 5.1 percent and the civilian worker rate was 5.2 percent; both measures were 5.2 percent in July.

Nonagricultural payroll employment, as measured by the survey of business establishments, rose by 110,000 in August to 108.9 million. The overall increase would have been twice as large were it not for the effects of strike activity during the survey reference period. Total civilian employment, as measured by the survey of households, was little changed over the month.

### Unemployment (Household Survey Data)

At 6.4 million, seasonally adjusted, the number of unemployed persons was essentially unchanged in August. The civilian unemployment rate held at 5.2 percent over the month and has shown little movement since April. August jobless rates for adult men (4.4 percent), teenagers (14.5 percent), whites (4.3 percent), blacks (11.1 percent), and Hispanics (9.0 percent) were all about the same as in the previous month. The rate for adult women fell 0.3 percentage point to 4.7 percent, after rising by half a point over the prior 5 months. (See tables A-2 and A-3.)

At 11.3 weeks in August, mean duration of unemployment declined over the month, as the number of long-term unemployed--those jobless for 15 weeks or more--fell by 170,000. Median duration of unemployment was also lower in August than in July, but that change resulted primarily from an improved method of calculating the median. (See table A-7.)

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

Total civilian employment was 117.6 million, seasonally adjusted, in August, little changed from the previous month. The proportion of the working-age population that was employed (the employment-population ratio) held at 63.0 percent. It has been at or near that high level since the beginning of the year. (See table A-2.)

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

Category	Quarterly averages		Monthly data			July-Aug. change
	1989		1989			
	I	II	June	July	Aug.	
HOUSEHOLD DATA						
Thousands of persons						
Labor force 1/.....	124,979	125,464	125,768	125,622	125,706	84
Total employment 1/..	118,588	118,964	119,207	119,125	119,285	160
Civilian labor force...	123,291	123,790	124,102	123,956	124,018	62
Civilian employment...	116,900	117,289	117,541	117,459	117,597	138
Unemployment.....	6,391	6,501	6,561	6,497	6,421	-76
Not in labor force....	62,482	62,388	62,228	62,527	62,580	53
Discouraged workers..	855	869	N.A.	N.A.	N.A.	N.A.
Percent of labor force						
Unemployment rates:						
All workers 1/.....	5.1	5.2	5.2	5.2	5.1	-0.1
All civilian workers:	5.2	5.3	5.3	5.2	5.2	.0
Adult men.....	4.5	4.4	4.3	4.3	4.4	.1
Adult women.....	4.6	4.8	4.9	5.0	4.7	-.3
Teenagers.....	15.0	15.1	15.6	14.7	14.5	-.2
White.....	4.4	4.5	4.5	4.6	4.5	-.1
Black.....	11.6	11.2	11.9	10.9	11.1	.2
Hispanic origin...	7.2	8.1	8.1	9.0	9.0	.0
ESTABLISHMENT DATA						
Thousands of jobs						
Nonfarm employment....	107,680	108,339	108,607	p108,791	p108,901	p110
Goods-producing.....	25,634	25,664	25,648	p25,683	p25,724	p41
Service-producing...	82,047	82,676	82,959	p83,108	p83,177	p69
Hours of work						
Average weekly hours:						
Total private.....	34.7	34.7	34.6	p34.8	p34.6	p-0.2
Manufacturing.....	41.1	41.1	41.0	p41.0	p40.9	p-.1
Overtime.....	3.9	3.8	3.8	p3.9	p3.8	p-.1

1/ Includes the resident Armed Forces.

p=preliminary.

N.A.=not available.

The civilian labor force (124.0 million) and the labor force participation rate (66.5 percent) both were unchanged from July, after seasonal adjustment. Over the past year, the labor force has risen by 2.0 million. (See table A-2.)

#### Industry Payroll Employment (Establishment Survey Data)

Total nonagricultural payroll employment rose by 110,000 in August to a seasonally adjusted level of 108.9 million. The size of the increase was reduced by a net loss of 108,000 workers from payrolls due to labor-management disputes. Over the past year, nonfarm employment has increased by 3.0 million. (See table B-1.)

In the goods-producing sector, mining employment grew by 20,000 in August, as workers in the coal industry returned to work from wildcat strikes. Construction employment increased slightly in August, following a large job gain in the previous month.

Manufacturing employment showed little growth over the month. In the durable goods sector, only the auto industry posted a substantial gain, as an increase of 25,000 offset declines in the previous 2 months. Job losses continued in the electrical equipment industry, where employment has declined by more than 40,000 since last November. Employment in nondurable goods was virtually unchanged in August. Food industry employment fell slightly after showing gains in the previous 2 months, and printing and publishing continued its pattern of small job gains.

In the service-producing sector, employment in communication and public utilities fell by 130,000, due to the strikes in the telephone communications industry. Job growth in finance, insurance, and real estate was especially strong--25,000. Employment in the services industry rose by 85,000; the health services component increased by 50,000, continuing its strong growth, while employment in business services rose by 20,000, reversing a decrease in the previous month. Over the year, employment in services has grown by 1.3 million. Retail and wholesale trade both showed little job growth in August.

#### Weekly Hours (Establishment Survey Data)

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls declined by 0.2 hour in August to 34.6 hours, seasonally adjusted, following an increase of the same magnitude in July. The manufacturing workweek and factory overtime both edged down 0.1 hour to 40.9 hours and 3.8 hours, respectively. (See table B-2.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls declined by 0.5 percent to 128.5 (1977=100), after seasonal adjustment. The manufacturing index was 96.4 for the fourth consecutive month. (See table B-5.)

Hourly and Weekly Earnings (Establishment Survey Data)

Average hourly earnings of private production or nonsupervisory workers were about unchanged in August, after seasonal adjustment, while average weekly earnings declined by 0.7 percent. Prior to seasonal adjustment, average hourly earnings fell 3 cents to \$9.60, and average weekly earnings declined \$2.01 to \$336.00. Over the year, both average hourly and average weekly earnings increased by 3.9 percent. (See tables B-3 and B-4.)

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The Employment Situation for September 1989 will be released on Friday, October 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 55,800 households that is conducted by the Bureau of the Census with most of the findings analyzed and published by the Bureau of Labor Statistics (BLS).

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

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

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

## Coverage, definitions, and differences between surveys

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

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

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

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

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

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

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

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

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

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

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

## Seasonal adjustment

Over the course of a year, the size of the Nation's labor force and the levels of employment and unemployment undergo sharp fluctuations due to such seasonal events as changes in weather, reduced or expanded production, harvests, major holidays, and the opening and closing of schools. For example, the labor force increases by a large number each June, when schools close and many young people enter the job market. The effect of such seasonal variation can be very large; over the course of a year, for example, seasonality may account for as much as 95 percent of the month-to-month changes in unemployment.

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

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

The numerical factors used to make the seasonal adjustments are recalculated regularly. For the household survey, the factors are calculated for the January-June period and again for the July-December period. 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., 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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>TOTAL</b>									
Noninstitutional population <sup>2</sup>	186,522	188,149	188,286	186,522	187,708	187,854	187,995	188,149	188,286
Labor force <sup>2</sup>	125,088	127,904	127,132	123,692	125,343	125,283	125,768	125,622	125,706
Participation rate <sup>3</sup>	67.1	68.0	67.5	66.3	66.8	66.7	66.9	66.8	66.8
Total employed <sup>2</sup>	118,429	121,168	120,780	116,895	118,797	118,888	119,207	119,125	119,285
Employment-population ratio <sup>4</sup>	63.5	64.4	64.1	62.7	63.3	63.3	63.4	63.3	63.4
Resident Armed Forces	1,692	1,666	1,688	1,692	1,684	1,673	1,666	1,666	1,688
Civilian employed	116,737	119,502	119,092	115,203	117,113	117,215	117,541	117,459	117,597
Agriculture	3,455	3,713	3,633	3,142	3,104	3,112	3,096	3,219	3,307
Nonagricultural industries	113,282	115,789	115,460	112,061	114,009	114,102	114,445	114,240	114,290
Unemployed	6,659	6,736	6,352	6,797	6,546	6,395	6,561	6,497	6,421
Unemployment rate <sup>5</sup>	5.3	5.3	5.0	5.5	5.2	5.1	5.2	5.2	5.1
Not in labor force	61,434	60,245	61,155	62,830	62,365	62,571	62,228	62,527	62,580
<b>Men, 16 years and over</b>									
Noninstitutional population <sup>2</sup>	89,504	90,315	90,384	89,504	90,094	90,167	90,237	90,315	90,384
Labor force <sup>2</sup>	69,855	71,072	70,587	68,685	69,360	69,114	69,507	69,245	69,337
Participation rate <sup>3</sup>	78.0	78.7	78.1	76.7	77.0	76.7	77.0	76.7	76.7
Total employed <sup>2</sup>	66,405	67,764	67,431	64,931	65,767	65,713	66,110	65,961	65,934
Employment-population ratio <sup>4</sup>	74.2	75.0	74.6	72.5	73.0	72.9	73.3	73.0	72.9
Resident Armed Forces	1,529	1,499	1,519	1,529	1,521	1,511	1,501	1,499	1,519
Civilian employed	64,876	66,265	65,912	63,402	64,246	64,202	64,609	64,462	64,415
Unemployed	3,450	3,308	3,157	3,754	3,593	3,401	3,397	3,284	3,403
Unemployment rate <sup>5</sup>	4.9	4.7	4.5	5.5	5.2	4.9	4.9	4.7	4.9
<b>Women, 16 years and over</b>									
Noninstitutional population <sup>2</sup>	97,018	97,834	97,902	97,018	97,614	97,687	97,758	97,834	97,902
Labor force <sup>2</sup>	55,233	56,832	56,544	55,007	55,983	56,169	56,261	56,377	56,370
Participation rate <sup>3</sup>	56.9	58.1	57.8	56.7	57.4	57.5	57.6	57.6	57.6
Total employed <sup>2</sup>	52,024	53,404	53,349	51,964	53,029	53,175	53,097	53,164	53,352
Employment-population ratio <sup>4</sup>	53.6	54.6	54.5	53.6	54.3	54.4	54.3	54.3	54.5
Resident Armed Forces	163	167	169	163	163	162	165	167	169
Civilian employed	51,861	53,237	53,180	51,801	52,866	53,013	52,932	52,997	53,183
Unemployed	3,209	3,428	3,195	3,043	2,953	2,994	3,164	3,213	3,018
Unemployment rate <sup>5</sup>	5.8	6.0	5.7	5.5	5.3	5.3	5.6	5.7	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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>TOTAL</b>									
Civilian noninstitutional population .....	184,830	186,483	186,598	184,830	186,024	186,181	186,329	186,483	186,598
Civilian labor force .....	123,396	126,238	125,444	122,000	123,659	123,610	124,102	123,956	124,018
Participation rate .....	66.8	67.7	67.2	66.0	66.5	66.4	66.6	66.5	66.5
Employed .....	116,737	119,502	119,092	115,203	117,113	117,215	117,541	117,459	117,597
Employment-population ratio <sup>2</sup> .....	63.2	64.1	63.8	62.3	63.0	63.0	63.1	63.0	63.0
Unemployed .....	6,659	6,736	6,352	6,797	6,546	6,395	6,561	6,497	6,421
Unemployment rate .....	5.4	5.3	5.1	5.6	5.3	5.2	5.3	5.2	5.2
<b>Men, 20 years and over</b>									
Civilian noninstitutional population .....	80,669	81,679	81,754	80,669	81,413	81,524	81,592	81,679	81,754
Civilian labor force .....	63,396	64,325	64,167	62,916	63,709	63,503	63,831	63,656	63,643
Participation rate .....	78.6	78.8	78.5	78.0	78.3	77.9	78.2	77.9	77.8
Employed .....	60,594	61,710	61,603	59,839	60,757	60,798	61,093	60,921	60,853
Employment-population ratio <sup>2</sup> .....	75.1	75.6	75.4	74.2	74.6	74.6	74.9	74.6	74.4
Agriculture .....	2,438	2,546	2,529	2,273	2,252	2,284	2,256	2,342	2,364
Nonagricultural industries .....	58,156	59,165	59,074	57,566	58,505	58,514	58,837	58,579	58,489
Unemployed .....	2,803	2,614	2,564	3,077	2,952	2,705	2,737	2,734	2,790
Unemployment rate .....	4.4	4.1	4.0	4.9	4.6	4.3	4.3	4.3	4.4
<b>Women, 20 years and over</b>									
Civilian noninstitutional population .....	89,670	90,607	90,684	89,670	90,318	90,432	90,526	90,607	90,684
Civilian labor force .....	50,637	52,038	52,000	50,959	51,992	52,171	52,231	52,463	52,373
Participation rate .....	56.5	57.4	57.3	56.8	57.6	57.7	57.7	57.9	57.8
Employed .....	48,003	49,326	49,352	48,492	49,544	49,690	49,661	49,850	49,905
Employment-population ratio <sup>2</sup> .....	53.5	54.4	54.4	54.1	54.9	54.9	54.9	55.0	55.0
Agriculture .....	650	743	682	609	615	628	610	627	644
Nonagricultural industries .....	47,354	48,583	48,670	47,883	48,929	49,062	49,051	49,223	49,261
Unemployed .....	2,633	2,712	2,648	2,467	2,448	2,480	2,570	2,613	2,468
Unemployment rate .....	5.2	5.2	5.1	4.8	4.7	4.8	4.9	5.0	4.7
<b>Both sexes, 16 to 19 years</b>									
Civilian noninstitutional population .....	14,491	14,196	14,160	14,491	14,293	14,224	14,211	14,196	14,160
Civilian labor force .....	9,363	9,875	9,276	8,125	7,958	7,936	8,040	7,837	8,003
Participation rate .....	64.6	69.6	65.5	56.1	55.7	55.8	56.6	55.2	56.5
Employed .....	8,140	8,465	8,137	6,872	6,812	6,726	6,786	6,687	6,840
Employment-population ratio <sup>2</sup> .....	56.2	59.6	57.5	47.4	47.7	47.3	47.8	47.1	48.3
Agriculture .....	368	425	422	260	237	200	230	249	300
Nonagricultural industries .....	7,773	8,041	7,715	6,612	6,575	6,526	6,556	6,438	6,540
Unemployed .....	1,222	1,410	1,140	1,253	1,146	1,210	1,254	1,150	1,163
Unemployment rate .....	13.1	14.3	12.3	15.4	14.4	15.2	15.6	14.7	14.5

<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.



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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>WHITE</b>									
Civilian noninstitutional population .....	158,340	159,400	159,470	158,340	159,098	159,200	159,297	159,400	159,470
Civilian labor force .....	106,146	108,113	107,597	105,013	106,312	106,164	106,455	106,424	106,446
Participation rate .....	67.0	67.8	67.5	66.3	66.8	66.7	66.8	66.8	66.8
Employed .....	101,213	103,215	102,938	99,907	101,458	101,465	101,693	101,581	101,670
Employment-population ratio <sup>2</sup> .....	63.9	64.8	64.6	63.1	63.8	63.7	63.8	63.7	63.8
Unemployed .....	4,933	4,898	4,659	5,106	4,854	4,699	4,762	4,843	4,777
Unemployment rate .....	4.6	4.5	4.3	4.9	4.6	4.4	4.5	4.6	4.5
<b>Men, 20 years and over</b>									
Civilian labor force .....	55,233	55,922	55,766	54,864	55,448	55,249	55,557	55,437	55,377
Participation rate .....	78.9	79.1	78.8	78.4	78.7	78.3	78.7	78.4	78.3
Employed .....	53,094	53,983	53,868	52,487	53,246	53,248	53,500	53,343	53,282
Employment-population ratio <sup>2</sup> .....	75.9	76.4	76.2	75.0	75.5	75.5	75.8	75.5	75.3
Unemployed .....	2,139	1,939	1,898	2,377	2,202	2,001	2,057	2,094	2,095
Unemployment rate .....	3.9	3.5	3.4	4.3	4.0	3.6	3.7	3.8	3.8
<b>Women, 20 years and over</b>									
Civilian labor force .....	42,884	43,869	43,886	43,149	44,016	44,084	44,050	44,302	44,169
Participation rate .....	56.0	56.8	56.8	56.4	57.2	57.2	57.1	57.4	57.2
Employed .....	40,965	41,902	41,948	41,378	42,207	42,282	42,236	42,411	42,372
Employment-population ratio <sup>2</sup> .....	53.5	54.3	54.3	54.1	54.8	54.9	54.8	55.0	54.9
Unemployed .....	1,899	1,967	1,938	1,771	1,810	1,803	1,814	1,891	1,798
Unemployment rate .....	4.4	4.5	4.4	4.1	4.1	4.1	4.1	4.3	4.1
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	8,028	8,322	7,945	7,000	6,848	6,831	6,848	6,685	6,900
Participation rate .....	67.8	72.1	69.1	59.2	59.0	59.0	59.2	57.9	60.0
Employed .....	7,134	7,330	7,122	6,042	6,005	5,936	5,957	5,827	6,016
Employment-population ratio <sup>2</sup> .....	60.3	63.5	61.9	51.1	51.8	51.3	51.5	50.5	52.3
Unemployed .....	894	992	823	958	843	895	891	858	884
Unemployment rate .....	11.1	11.9	10.4	13.7	12.3	13.1	13.0	12.8	12.8
Men .....	11.2	11.3	10.3	13.9	13.1	14.8	13.4	12.4	12.9
Women .....	11.1	12.6	10.4	13.5	11.5	11.2	12.6	13.4	12.7
<b>BLACK</b>									
Civilian noninstitutional population .....	20,736	21,038	21,060	20,736	20,956	20,986	21,012	21,038	21,060
Civilian labor force .....	13,481	13,978	13,694	13,236	13,287	13,444	13,600	13,555	13,448
Participation rate .....	65.0	66.4	65.0	63.8	63.4	64.1	64.7	64.4	63.9
Employed .....	11,962	12,364	12,197	11,733	11,846	11,968	11,982	12,082	11,958
Employment-population ratio <sup>2</sup> .....	57.7	58.8	57.9	56.6	56.6	57.0	57.0	57.4	56.8
Unemployed .....	1,519	1,614	1,497	1,503	1,442	1,476	1,618	1,473	1,490
Unemployment rate .....	11.3	11.5	10.9	11.4	10.8	11.0	11.9	10.9	11.1
<b>Men, 20 years and over</b>									
Civilian labor force .....	6,212	6,286	6,263	6,131	6,171	6,207	6,200	6,205	6,189
Participation rate .....	75.4	75.1	74.7	74.5	74.0	74.3	74.1	74.1	73.8
Employed .....	5,644	5,708	5,686	5,539	5,554	5,622	5,619	5,629	5,580
Employment-population ratio <sup>2</sup> .....	68.5	68.2	67.8	67.3	66.6	67.3	67.2	67.2	66.6
Unemployed .....	568	578	578	592	617	586	581	576	609
Unemployment rate .....	9.1	9.2	9.2	9.7	10.0	9.4	9.4	9.3	9.8
<b>Women, 20 years and over</b>									
Civilian labor force .....	6,166	6,400	6,338	6,188	6,227	6,340	6,405	6,394	6,359
Participation rate .....	59.8	61.0	60.3	60.0	59.6	60.6	61.2	61.0	60.5
Employed .....	5,516	5,742	5,710	5,571	5,677	5,740	5,732	5,759	5,762
Employment-population ratio <sup>2</sup> .....	53.5	54.7	54.4	54.0	54.3	54.9	54.7	54.9	54.9
Unemployed .....	650	658	628	617	550	600	674	635	597
Unemployment rate .....	10.5	10.3	9.9	10.0	8.8	9.5	10.5	9.9	9.4
<b>Both sexes, 16 to 19 years</b>									
Civilian labor force .....	1,103	1,291	1,092	917	889	897	994	956	900
Participation rate .....	50.5	59.4	50.3	42.0	40.9	41.3	45.7	44.0	41.4
Employed .....	802	913	801	623	615	606	631	694	616
Employment-population ratio <sup>2</sup> .....	36.7	42.0	36.9	28.5	28.3	27.9	29.0	31.9	28.3
Unemployed .....	302	378	291	294	274	291	363	262	284
Unemployment rate .....	27.3	29.3	26.6	32.1	30.8	32.4	36.5	27.4	31.6
Men .....	26.5	25.5	24.6	32.1	35.5	36.9	33.5	22.1	30.0
Women .....	28.3	33.6	28.9	32.0	26.2	28.4	40.2	33.1	33.4

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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>HISPANIC ORIGIN</b>									
Civilian noninstitutional population .....	13,381	13,813	13,853	13,381	13,690	13,731	13,772	13,813	13,853
Civilian labor force .....	9,091	9,558	9,494	8,963	9,262	9,428	9,272	9,433	9,364
Participation rate .....	67.9	69.2	68.5	67.0	67.7	68.7	67.3	68.3	67.6
Employed .....	8,357	8,707	8,666	8,214	8,495	8,686	8,524	8,587	8,521
Employment-population ratio <sup>2</sup> .....	62.5	63.0	62.6	61.4	62.1	63.3	61.9	62.2	61.5
Unemployed .....	733	851	828	749	767	742	748	846	843
Unemployment rate .....	8.1	8.9	8.7	8.4	8.3	7.9	8.1	9.0	9.0

<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					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>CHARACTERISTIC</b>									
Civilian employed, 16 years and over .....	116,737	119,502	119,092	115,203	117,113	117,215	117,541	117,459	117,597
Married men, spouse present .....	40,748	41,253	40,880	40,511	40,890	40,902	41,102	41,089	40,636
Married women, spouse present .....	28,284	28,961	28,665	28,809	29,656	29,739	29,481	29,552	29,220
Women who maintain families .....	6,225	6,404	6,298	6,280	6,243	6,331	6,403	6,456	6,342
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>									
Agriculture:									
Wage and salary workers .....	1,758	1,982	1,958	1,607	1,554	1,610	1,550	1,695	1,803
Self-employed workers .....	1,490	1,556	1,494	1,411	1,419	1,358	1,412	1,434	1,420
Unpaid family workers .....	207	175	181	158	124	127	126	126	137
Nonagricultural industries:									
Wage and salary workers .....	104,334	106,868	106,390	103,207	104,985	105,245	105,519	105,321	105,259
Government .....	16,462	16,888	16,887	17,111	17,180	17,230	17,261	17,519	17,591
Private industries .....	87,872	89,981	89,503	86,096	87,806	88,015	88,259	87,803	87,668
Private households .....	1,202	1,207	1,217	1,128	1,117	1,128	1,140	1,093	1,146
Other industries .....	86,670	88,774	88,286	84,968	86,689	86,887	87,118	86,710	86,522
Self-employed workers .....	8,695	8,675	8,797	8,508	8,671	8,516	8,570	8,606	8,625
Unpaid family workers .....	252	245	273	241	281	322	241	239	264
<b>PERSONS AT WORK PART TIME<sup>1</sup></b>									
All industries:									
Part time for economic reasons .....	5,559	5,500	5,125	5,192	5,143	4,837	4,957	4,750	4,785
Slack work .....	2,274	2,299	2,250	2,315	2,373	2,296	2,318	2,311	2,282
Could only find part-time work .....	2,837	2,788	2,415	2,473	2,425	2,343	2,289	2,138	2,107
Voluntary part time .....	11,957	12,882	12,460	14,999	15,498	15,316	15,416	15,652	15,614
Nonagricultural industries:									
Part time for economic reasons .....	5,291	5,199	4,849	4,972	4,930	4,609	4,801	4,505	4,553
Slack work .....	2,117	2,161	2,084	2,171	2,243	2,102	2,190	2,185	2,129
Could only find part-time work .....	2,742	2,647	2,309	2,408	2,369	2,301	2,236	2,057	2,024
Voluntary part time .....	11,537	12,419	11,985	14,564	15,060	14,976	14,977	15,219	15,094

<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		
	II	III	IV	I	II	June	July	Aug.
U-1 Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.3	1.3	1.2	1.1	1.1	1.0	1.2	1.1
U-2 Job losers as a percent of the civilian labor force .....	2.5	2.5	2.5	2.4	2.3	2.2	2.4	2.4
U-3 Unemployed persons 25 years and over as a percent of the civilian labor force for persons 25 years and over .....	4.2	4.2	4.1	4.0	4.0	4.0	4.0	4.0
U-4 Unemployed full-time jobseekers as a percent of the full-time civilian labor force .....	5.1	5.1	5.0	4.9	4.9	4.8	4.9	4.9
U-5a Total unemployed as a percent of the labor force, including the resident Armed Forces .....	5.4	5.4	5.3	5.1	5.2	5.2	5.2	5.1
U-5b Total unemployed as a percent of the civilian labor force .....	5.5	5.5	5.3	5.2	5.3	5.3	5.2	5.2
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 .....	7.6	7.6	7.5	7.2	7.2	7.2	7.2	7.1
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 .....	8.3	8.4	8.2	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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>CHARACTERISTIC</b>									
Total, 16 years and over .....	6,797	6,497	6,421	5.6	5.3	5.2	5.3	5.2	5.2
Men, 16 years and over .....	3,754	3,284	3,403	5.6	5.3	5.0	5.0	4.8	5.0
Men, 20 years and over .....	3,077	2,734	2,790	4.9	4.6	4.3	4.3	4.3	4.4
Women, 16 years and over .....	3,043	3,213	3,018	5.5	5.3	5.3	5.6	5.7	5.4
Women, 20 years and over .....	2,467	2,613	2,488	4.8	4.7	4.8	4.9	5.0	4.7
Both sexes, 16 to 19 years .....	1,253	1,150	1,163	15.4	14.4	15.2	15.6	14.7	14.5
Married men, spouse present .....	1,440	1,207	1,312	3.4	3.2	2.9	2.8	2.9	3.1
Married women, spouse present .....	1,199	1,163	1,189	4.0	4.0	3.8	3.8	3.8	3.9
Women who maintain families .....	511	617	552	7.5	7.6	8.3	7.9	8.7	8.0
Full-time workers .....	5,491	5,218	5,183	5.3	5.0	4.8	4.8	4.9	4.9
Part-time workers .....	1,313	1,320	1,253	7.4	7.2	6.9	7.7	7.2	6.9
Labor force time lost <sup>2</sup> .....	—	—	—	6.4	6.0	5.9	6.1	6.0	5.9
<b>INDUSTRY</b>									
Nonagricultural private wage and salary workers .....	5,093	5,028	4,971	5.6	5.4	5.2	5.3	5.4	5.4
Goods-producing industries .....	1,944	1,817	1,844	6.7	6.0	5.8	6.2	6.2	6.4
Mining .....	53	39	48	7.0	5.6	4.5	3.7	5.5	6.5
Construction .....	675	670	638	10.7	9.7	9.3	10.0	10.5	10.3
Manufacturing .....	1,216	1,108	1,158	5.5	4.9	4.9	5.2	5.0	5.2
Durable goods .....	649	609	623	5.0	4.7	4.5	4.6	4.7	4.8
Nondurable goods .....	567	499	535	6.3	5.2	5.5	6.1	5.5	5.9
Service-producing industries .....	3,149	3,211	3,127	5.1	5.1	4.9	4.9	5.0	4.9
Transportation and public utilities .....	241	273	234	3.8	4.0	4.0	4.4	4.2	3.6
Wholesale and retail trade .....	1,475	1,460	1,424	6.4	5.9	5.5	6.0	6.2	6.0
Finance and service industries .....	1,433	1,477	1,470	4.4	4.8	4.7	4.3	4.4	4.4
Government workers .....	517	511	489	2.9	2.7	2.9	3.0	2.8	2.7
Agricultural wage and salary workers .....	198	157	169	11.0	10.5	10.3	11.0	8.5	8.6

<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					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>DURATION</b>									
Less than 5 weeks .....	3,095	3,338	3,022	3,158	3,090	3,041	3,309	3,149	3,071
5 to 14 weeks .....	2,094	2,070	2,152	1,956	2,034	2,017	1,999	1,927	2,011
15 weeks and over .....	1,470	1,328	1,178	1,636	1,426	1,313	1,258	1,472	1,305
15 to 26 weeks .....	669	712	612	831	689	702	659	846	737
27 weeks and over .....	800	616	566	805	737	611	599	626	567
Average (mean) duration, in weeks .....	13.5	11.2	11.3	13.5	12.7	11.8	11.1	12.0	11.3
Median duration, in weeks .....	5.9	5.1	5.0	5.9	5.4	5.3	5.5	5.6	5.0
<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 .....	46.5	49.5	47.6	46.8	47.2	47.7	50.4	48.1	48.1
5 to 14 weeks .....	31.4	30.7	33.9	29.0	31.1	31.7	30.4	29.4	31.5
15 weeks and over .....	22.1	19.7	18.5	24.2	21.8	20.6	19.2	22.5	20.4
15 to 26 weeks .....	10.1	10.6	9.6	12.3	10.5	11.0	10.0	12.9	11.5
27 weeks and over .....	12.0	9.1	8.9	11.9	11.3	9.6	9.1	9.6	8.9

Table A-8. Reason for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted			Seasonally adjusted					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
<b>NUMBER OF UNEMPLOYED</b>									
Job losers .....	2,887	2,797	2,766	3,112	2,984	2,724	2,765	2,920	2,984
On layoff .....	739	755	736	880	847	790	806	822	873
Other job losers .....	2,148	2,042	2,030	2,232	2,137	1,934	1,958	2,097	2,111
Job leavers .....	1,062	1,064	1,122	986	978	1,114	1,023	1,010	1,040
Reentrants .....	1,888	1,948	1,814	1,843	1,894	1,852	2,051	1,934	1,768
New entrants .....	822	930	650	800	671	683	742	724	628
<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 .....	43.4	41.5	43.5	46.2	45.7	42.7	42.0	44.3	46.5
On layoff .....	11.1	11.2	11.6	13.1	13.0	12.4	12.3	12.5	13.6
Other job losers .....	32.3	30.3	32.0	33.1	32.7	30.3	29.8	31.8	32.9
Job leavers .....	15.9	15.8	17.7	14.6	15.0	17.5	15.5	15.3	16.2
Reentrants .....	28.4	28.9	28.6	27.3	29.0	29.1	31.2	29.4	27.5
New entrants .....	12.3	13.8	10.2	11.9	10.3	10.7	11.3	11.0	9.8
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>									
Job losers .....	2.3	2.2	2.2	2.6	2.4	2.2	2.2	2.4	2.4
Job leavers .....	.9	.8	.9	.8	.8	.9	.8	.8	.8
Reentrants .....	1.5	1.5	1.4	1.5	1.5	1.5	1.7	1.6	1.4
New entrants .....	.7	.7	.5	.7	.5	.6	.6	.6	.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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
Total, 16 years and over .....	6,797	6,497	6,421	5.6	5.3	5.2	5.3	5.2	5.2
16 to 24 years .....	2,476	2,381	2,420	11.0	10.5	10.4	11.3	10.7	10.9
16 to 19 years .....	1,253	1,150	1,163	15.4	14.4	15.2	15.6	14.7	14.5
16 to 17 years .....	605	529	565	18.5	14.9	16.2	17.5	17.8	18.1
18 to 19 years .....	660	603	609	13.7	13.8	14.5	14.9	12.4	12.5
20 to 24 years .....	1,223	1,231	1,257	8.4	8.4	7.7	8.9	8.6	8.8
25 years and over .....	4,334	4,099	4,031	4.4	4.1	4.0	4.0	4.0	4.0
25 to 54 years .....	3,828	3,641	3,556	4.5	4.4	4.2	4.1	4.2	4.1
55 years and over .....	475	485	468	3.2	2.9	2.9	3.3	3.1	3.1
Men, 16 years and over .....	3,754	3,284	3,403	5.6	5.3	5.0	5.0	4.8	5.0
16 to 24 years .....	1,351	1,196	1,328	11.4	10.7	11.0	11.5	10.4	11.4
16 to 19 years .....	677	550	613	16.0	15.5	17.0	15.8	13.4	14.7
16 to 17 years .....	301	268	290	17.7	17.0	18.8	20.0	17.4	17.4
18 to 19 years .....	362	270	315	14.5	14.6	15.7	13.6	10.7	12.7
20 to 24 years .....	674	646	715	8.9	8.0	7.7	9.2	8.7	9.6
25 years and over .....	2,417	2,095	2,106	4.4	4.2	3.7	3.7	3.7	3.7
25 to 54 years .....	2,088	1,840	1,800	4.5	4.4	3.9	3.7	3.9	3.8
55 years and over .....	298	274	291	3.4	3.2	2.9	3.0	3.1	3.3
Women, 16 years and over .....	3,043	3,213	3,018	5.5	5.3	5.3	5.6	5.7	5.4
16 to 24 years .....	1,125	1,185	1,092	10.4	10.4	9.8	11.0	11.1	10.2
16 to 19 years .....	576	600	550	14.8	13.2	13.4	15.4	16.0	14.4
16 to 17 years .....	304	261	275	19.2	12.7	13.4	14.7	18.3	18.8
18 to 19 years .....	298	333	294	12.8	12.8	13.3	16.2	14.4	12.4
20 to 24 years .....	549	585	542	8.0	8.9	7.7	8.6	8.4	7.9
25 years and over .....	1,917	2,004	1,925	4.3	4.1	4.4	4.4	4.4	4.2
25 to 54 years .....	1,740	1,801	1,756	4.6	4.4	4.6	4.5	4.6	4.5
55 years and over .....	177	211	178	2.8	2.6	3.0	3.8	3.2	2.7

<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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989	Aug. 1989
Civilian noninstitutional population .....	26,490	27,082	27,128	26,490	26,926	26,981	27,031	27,082	27,128
Civilian labor force .....	17,250	18,125	17,846	16,986	17,319	17,364	17,607	17,618	17,589
Participation rate .....	65.1	66.9	65.8	64.1	64.3	64.4	65.1	65.1	64.8
Employed .....	15,524	16,287	16,154	15,282	15,656	15,707	15,795	15,934	15,910
Employment-population ratio <sup>2</sup> .....	58.6	60.1	59.5	57.7	58.1	58.2	58.4	58.8	58.6
Unemployed .....	1,726	1,838	1,692	1,704	1,664	1,657	1,812	1,684	1,680
Unemployment rate .....	10.0	10.1	9.5	10.0	9.6	9.5	10.3	9.6	9.5
Not in labor force .....	9,240	8,957	9,282	9,504	9,607	9,617	9,424	9,464	9,539

<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	
	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989
Total, 16 years and over <sup>1</sup> .....	116,737	118,092	6,659	6,352	5.4	5.1
Managerial and professional specialty .....	28,980	29,909	773	642	2.6	2.1
Executive, administrative, and managerial .....	14,575	15,024	379	317	2.5	2.1
Professional specialty .....	14,405	14,885	394	325	2.7	2.1
Technical, sales, and administrative support .....	35,904	36,679	1,546	1,494	4.1	3.9
Technicians and related support .....	3,609	3,735	76	83	2.1	2.2
Sales occupations .....	14,064	14,387	655	658	4.4	4.4
Administrative support, including clerical .....	18,231	18,557	816	753	4.3	3.9
Service occupations .....	15,628	16,052	1,107	1,104	6.6	6.4
Private household .....	947	925	48	67	4.8	6.7
Protective service .....	2,167	2,146	81	80	3.6	3.6
Service, except private household and protective .....	12,514	12,981	978	958	7.3	6.9
Precision production, craft, and repair .....	13,910	14,002	615	659	4.2	4.5
Mechanics and repairers .....	4,415	4,497	133	132	2.9	2.8
Construction trades .....	5,421	5,360	306	317	5.3	5.6
Other precision production, craft, and repair .....	4,074	4,145	176	211	4.1	4.8
Operators, fabricators, and laborers .....	18,404	18,350	1,506	1,490	7.6	7.5
Machine operators, assemblers, and inspectors .....	8,176	8,307	684	682	7.7	7.6
Transportation and material moving occupations .....	4,912	4,926	288	297	5.5	5.7
Handlers, equipment cleaners, helpers, and laborers .....	5,315	5,116	534	512	9.1	9.1
Construction laborers .....	1,001	845	140	147	12.3	14.8
Other handlers, equipment cleaners, helpers, and laborers .....	4,314	4,271	394	366	8.4	7.9
Farming, forestry, and fishing .....	3,911	4,100	255	218	6.1	5.1

<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		
	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989	Aug. 1988	Aug. 1989
<b>VIETNAM-ERA VETERANS</b>										
Total, 30 years and over .....	7,896	7,927	7,311	7,250	7,066	7,036	245	214	3.4	2.9
30 to 44 years .....	5,864	5,449	5,621	5,178	5,416	5,018	205	160	3.6	3.1
30 to 34 years .....	655	456	612	423	576	411	36	12	5.9	2.8
35 to 39 years .....	2,106	1,702	2,007	1,598	1,935	1,521	72	77	3.6	4.8
40 to 44 years .....	3,103	3,291	3,002	3,157	2,905	3,086	97	72	3.2	2.3
45 years and over .....	2,032	2,478	1,690	2,071	1,650	2,018	40	53	2.4	2.6
<b>NONVETERANS</b>										
Total, 30 to 44 years .....	20,542	21,589	19,525	20,429	18,739	19,718	786	712	4.0	3.5
30 to 34 years .....	9,155	9,388	8,747	8,953	8,352	8,639	395	315	4.5	3.5
35 to 39 years .....	6,888	7,487	6,555	7,094	6,305	6,849	250	245	3.8	3.5
40 to 44 years .....	4,499	4,714	4,223	4,382	4,082	4,230	141	152	3.3	3.5

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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May. 1989	June 1989	July 1989	Aug. 1989
<b>California</b>									
Civilian noninstitutional population .....	20,878	21,147	21,192	20,878	21,059	21,085	21,122	21,147	21,192
Civilian labor force .....	14,145	14,603	14,455	14,052	14,096	14,331	14,286	14,443	14,358
Employed .....	13,357	13,751	13,782	13,283	13,339	13,546	13,489	13,674	13,706
Unemployed .....	788	851	674	769	757	785	797	769	652
Unemployment rate .....	5.6	5.8	4.7	5.5	5.4	5.5	5.6	5.3	4.5
<b>Florida</b>									
Civilian noninstitutional population .....	9,732	9,965	9,978	9,732	9,902	9,924	9,942	9,965	9,978
Civilian labor force .....	6,249	6,383	6,310	6,158	6,245	6,227	6,344	6,286	6,209
Employed .....	5,934	5,997	5,968	5,857	5,922	5,827	5,960	5,930	5,884
Unemployed .....	315	386	342	301	323	400	384	356	325
Unemployment rate .....	5.0	6.0	5.4	4.9	5.2	6.4	6.1	5.7	5.2
<b>Illinois</b>									
Civilian noninstitutional population .....	8,722	8,699	8,708	8,722	8,699	8,698	8,701	8,699	8,708
Civilian labor force .....	5,918	5,964	5,985	5,829	5,960	5,899	5,934	5,860	5,889
Employed .....	5,518	5,650	5,637	5,425	5,640	5,563	5,609	5,533	5,540
Unemployed .....	399	315	347	404	320	336	325	327	349
Unemployment rate .....	6.7	5.3	5.8	6.9	5.4	5.7	5.5	5.6	5.9
<b>Massachusetts</b>									
Civilian noninstitutional population .....	4,597	4,601	4,604	4,597	4,598	4,598	4,600	4,601	4,604
Civilian labor force .....	3,182	3,245	3,243	3,127	3,197	3,196	3,166	3,183	3,191
Employed .....	3,083	3,097	3,117	3,023	3,077	3,080	3,040	3,041	3,060
Unemployed .....	99	148	126	104	120	116	126	142	131
Unemployment rate .....	3.1	4.6	3.9	3.3	3.8	3.6	4.0	4.5	4.1
<b>Michigan</b>									
Civilian noninstitutional population .....	7,036	7,104	7,100	7,036	7,087	7,095	7,097	7,104	7,100
Civilian labor force .....	4,685	4,728	4,766	4,598	4,573	4,581	4,630	4,646	4,673
Employed .....	4,358	4,383	4,449	4,259	4,296	4,273	4,291	4,331	4,352
Unemployed .....	327	345	317	339	277	308	339	315	321
Unemployment rate .....	7.0	7.3	6.7	7.4	6.1	6.7	7.3	6.8	6.9
<b>New Jersey</b>									
Civilian noninstitutional population .....	6,041	6,064	6,066	6,041	6,057	6,059	6,062	6,064	6,066
Civilian labor force .....	4,027	4,045	4,035	3,976	3,977	3,952	3,971	3,976	3,990
Employed .....	3,884	3,864	3,864	3,823	3,816	3,834	3,806	3,814	3,810
Unemployed .....	143	182	171	153	161	118	165	162	180
Unemployment rate .....	3.6	4.5	4.2	3.8	4.0	3.0	4.2	4.1	4.5
<b>New York</b>									
Civilian noninstitutional population .....	13,801	13,814	13,816	13,801	13,807	13,809	13,812	13,814	13,816
Civilian labor force .....	8,760	8,864	8,734	8,586	8,841	8,770	8,705	8,674	8,557
Employed .....	8,392	8,453	8,313	8,208	8,328	8,307	8,266	8,269	8,127
Unemployed .....	368	410	421	378	513	463	439	405	430
Unemployment rate .....	4.2	4.6	4.8	4.4	5.8	5.3	5.0	4.7	5.0
<b>North Carolina</b>									
Civilian noninstitutional population .....	4,925	5,014	5,016	4,925	4,991	5,000	5,008	5,014	5,016
Civilian labor force .....	3,410	3,528	3,484	3,357	3,478	3,467	3,463	3,444	3,432
Employed .....	3,308	3,409	3,363	3,249	3,330	3,340	3,339	3,327	3,304
Unemployed .....	102	119	121	108	148	127	124	117	128
Unemployment rate .....	3.0	3.4	3.5	3.2	4.3	3.7	3.6	3.4	3.7
<b>Ohio</b>									
Civilian noninstitutional population .....	8,256	8,320	8,318	8,256	8,303	8,310	8,313	8,320	8,318
Civilian labor force .....	5,376	5,526	5,517	5,329	5,381	5,434	5,490	5,450	5,469
Employed .....	5,076	5,248	5,257	5,028	5,093	5,138	5,183	5,157	5,209
Unemployed .....	301	277	261	301	288	296	307	293	260
Unemployment rate .....	5.6	5.0	4.7	5.6	5.4	5.4	5.6	5.4	4.8

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>					
	Aug. 1988	July 1989	Aug. 1989	Aug. 1988	Apr. 1989	May. 1989	June 1989	July 1989	Aug. 1989
<b>Pennsylvania</b>									
Civilian noninstitutional population .....	9,379	9,433	9,433	9,379	9,418	9,424	9,427	9,433	9,433
Civilian labor force .....	5,963	5,961	5,919	5,812	5,940	5,920	5,917	5,823	5,768
Employed .....	5,713	5,684	5,686	5,547	5,677	5,649	5,678	5,562	5,520
Unemployed .....	250	277	233	265	263	271	239	261	248
Unemployment rate .....	4.2	4.6	3.9	4.6	4.4	4.6	4.0	4.5	4.3
<b>Texas</b>									
Civilian noninstitutional population .....	12,008	11,989	11,996	12,008	11,988	11,987	11,990	11,989	11,996
Civilian labor force .....	8,424	8,428	8,452	8,328	8,350	8,250	8,223	8,241	8,352
Employed .....	7,860	7,813	7,843	7,752	7,729	7,762	7,721	7,645	7,729
Unemployed .....	565	614	610	576	621	488	502	596	623
Unemployment rate .....	6.7	7.3	7.2	6.9	7.4	5.9	6.1	7.2	7.5

<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.



## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	Aug. 1988	June 1989	July 1989 <sup>a</sup>	Aug. 1989 <sup>a</sup>	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989 <sup>a</sup>	Aug. 1989 <sup>a</sup>
Total.....	103,729	109,534	108,562	108,680	103,954	108,101	108,310	108,607	108,791	108,901
Total private.....	89,431	91,742	91,746	91,974	88,578	90,475	90,623	90,884	91,030	91,083
Goods-producing industries.....	25,735	25,972	25,917	26,149	25,303	25,671	25,672	25,648	25,683	25,724
Mining.....	734	719	715	739	725	720	722	715	707	729
Oil and gas extraction.....	411.4	400.9	406.6	407.8	408	400	401	402	404	404
Construction.....	5,497	5,494	5,625	5,682	5,153	5,279	5,283	5,283	5,317	5,325
General building contractors.....	1,449.4	1,430.0	1,464.0	1,481.9	1,372	1,377	1,388	1,384	1,392	1,403
Manufacturing.....	19,504	19,759	19,577	19,748	19,425	19,672	19,667	19,650	19,659	19,670
Production workers.....	13,320	13,487	13,302	13,475	13,270	13,430	13,426	13,400	13,415	13,424
Durable goods.....	11,448	11,631	11,493	11,550	11,462	11,600	11,594	11,567	11,554	11,567
Production workers.....	7,628	7,760	7,620	7,682	7,658	7,744	7,735	7,706	7,699	7,712
Lumber and wood products.....	784.5	786.3	786.8	789.0	761	772	771	769	767	766
Furniture and fixtures.....	526.9	531.9	522.4	529.0	529	537	534	534	535	531
Stone, clay, and glass products.....	612.7	616.0	611.9	615.2	600	606	604	603	602	603
Primary metal industries.....	772.8	790.6	776.4	783.4	776	788	787	787	786	787
Blas furnaces and basic steel products.....	277.1	277.7	276.9	277.2	277	275	276	276	276	277
Fabricated metal products.....	1,430.4	1,435.8	1,430.0	1,436.8	1,435	1,454	1,452	1,449	1,446	1,443
Machinery, except electrical.....	2,084.1	2,161.3	2,167.7	2,145.7	2,094	2,144	2,150	2,151	2,156	2,156
Electrical and electronic equipment.....	2,073.2	2,043.2	2,026.1	2,032.1	2,073	2,058	2,050	2,041	2,038	2,032
Transportation equipment.....	2,017.1	2,068.1	2,028.2	2,039.2	2,052	2,076	2,074	2,062	2,051	2,074
Motor vehicles and equipment.....	833.1	869.3	832.8	847.1	859	875	876	861	848	873
Instruments and related products.....	756.5	782.6	780.9	783.5	755	777	778	779	781	782
Miscellaneous manufacturing.....	390.2	395.1	382.8	396.0	387	391	392	392	392	393
Nondurable goods.....	8,056	8,128	8,084	8,198	7,963	8,072	8,073	8,083	8,105	8,103
Production workers.....	5,692	5,727	5,682	5,793	5,612	5,686	5,691	5,694	5,716	5,712
Food and kindred products.....	1,711.9	1,668.4	1,710.4	1,755.2	1,629	1,657	1,656	1,663	1,677	1,670
Tobacco manufactures.....	54.9	49.4	49.6	51.7	55	54	53	52	53	52
Textile mill products.....	725.5	733.0	718.2	731.5	-723	728	728	729	731	729
Apparel and other textile products.....	1,084.4	1,104.2	1,063.1	1,097.3	1,085	1,098	1,095	1,093	1,096	1,098
Paper and allied products.....	697.3	703.5	701.7	703.0	694	696	697	697	700	700
Printing and publishing.....	1,563.6	1,610.4	1,606.1	1,608.9	1,568	1,601	1,603	1,607	1,609	1,614
Chemicals and allied products.....	1,078.3	1,103.4	1,102.1	1,101.5	1,071	1,090	1,094	1,096	1,094	1,094
Petroleum and coal products.....	165.3	165.7	166.1	166.5	162	162	162	163	163	163
Rubber and misc. plastics products.....	828.8	846.8	831.6	839.4	832	843	843	841	842	843
Leather and leather products.....	146.4	143.6	134.6	142.9	144	143	142	142	140	140
Service-producing industries.....	79,994	83,562	82,645	82,511	80,651	82,430	82,638	82,959	83,108	83,177
Transportation and public utilities.....	5,574	5,753	5,742	5,618	5,572	5,682	5,700	5,716	5,741	5,619
Transportation.....	3,357	3,524	3,508	3,519	3,353	3,467	3,484	3,500	3,529	3,537
Communication and public utilities.....	2,237	2,229	2,234	2,099	2,219	2,215	2,216	2,216	2,212	2,082
Wholesale trade.....	6,086	6,266	6,282	6,283	6,051	6,206	6,222	6,230	6,240	6,246
Durable goods.....	3,596	3,711	3,722	3,725	3,578	3,676	3,685	3,693	3,700	3,706
Nondurable goods.....	2,490	2,555	2,560	2,558	2,473	2,530	2,537	2,537	2,540	2,540
Retail trade.....	19,312	19,727	19,680	19,738	19,182	19,489	19,528	19,551	19,582	19,601
General merchandising stores.....	2,400.3	2,432.9	2,423.6	2,422.3	2,454	2,492	2,491	2,493	2,481	2,477
Food stores.....	3,123.9	3,271.9	3,289.2	3,295.3	3,117	3,233	3,245	3,262	3,273	3,289
Automotive dealers and service stations.....	2,136.6	2,176.2	2,182.2	2,183.3	2,107	2,159	2,159	2,155	2,154	2,153
Eating and drinking places.....	6,491.5	6,572.0	6,535.4	6,576.8	6,302	6,335	6,348	6,362	6,370	6,385
Finance, insurance, and real estate.....	6,769	6,878	6,910	6,920	6,686	6,776	6,790	6,808	6,812	6,836
Finance.....	3,309	3,343	3,335	3,361	3,285	3,312	3,320	3,320	3,322	3,338
Insurance.....	2,094	2,135	2,141	2,141	2,087	2,119	2,123	2,129	2,130	2,135
Real estate.....	1,366	1,400	1,414	1,418	1,314	1,345	1,347	1,359	1,360	1,363
Services.....	25,955	27,146	27,215	27,266	25,784	26,651	26,711	26,931	26,972	27,057
Business services.....	5,677.1	5,827.8	5,822.1	5,864.6	5,617	5,760	5,776	5,799	5,782	5,801
Health services.....	7,210.3	7,646.4	7,688.6	7,720.8	7,187	7,528	7,570	7,616	7,650	7,698
Government.....	16,298	17,792	16,816	16,706	17,376	17,626	17,687	17,723	17,761	17,818
Federal.....	2,980	3,025	3,032	3,016	2,967	2,982	2,999	2,995	2,999	3,004
State.....	3,855	4,016	3,936	3,946	4,079	4,111	4,119	4,136	4,161	4,176
Local.....	9,463	10,751	9,848	9,744	10,330	10,533	10,569	10,592	10,601	10,638

<sup>a</sup> = preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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					
	Aug. 1988	June 1989	July 1989 <sup>2/</sup>	Aug. 1989 <sup>2/</sup>	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989 <sup>2/</sup>	Aug. 1989 <sup>2/</sup>
Total private.....	35.0	34.8	35.1	35.0	34.6	34.9	34.6	34.6	34.8	34.6
Mining.....	42.0	42.6	42.8	43.2	(2)	(2)	(2)	(2)	(2)	(2)
Construction.....	38.6	38.0	38.9	38.9	(2)	(2)	(2)	(2)	(2)	(2)
Manufacturing.....	40.9	41.1	40.5	40.8	41.0	41.3	41.0	41.0	41.0	40.9
Overtime hours.....	3.9	3.8	3.7	3.9	3.9	3.9	3.8	3.8	3.9	3.8
Durable goods.....	41.3	41.7	40.9	41.2	41.7	41.9	41.5	41.5	41.5	41.5
Overtime hours.....	4.0	3.9	3.7	3.9	4.1	4.1	3.9	3.9	4.0	4.0
Lumber and wood products.....	40.3	40.4	39.5	40.3	40.1	40.5	39.7	39.8	39.6	40.1
Furniture and fixtures.....	39.3	39.4	38.6	39.6	39.2	39.9	39.4	39.4	39.3	39.4
Stone, clay, and glass products.....	42.5	42.6	42.6	43.0	42.2	42.5	41.9	42.2	42.4	42.7
Primary metal industries.....	43.1	43.3	42.6	42.1	43.5	43.3	43.2	43.3	43.0	42.5
Blast furnaces and basic steel products.....	43.6	43.9	43.2	41.9	44.1	43.5	43.6	43.7	43.2	42.3
Fabricated metal products.....	41.5	41.7	40.8	41.3	41.8	41.9	41.7	41.5	41.6	41.6
Machinery, except electrical.....	42.0	42.6	41.8	41.6	42.5	42.7	42.5	42.5	42.3	42.1
Electrical and electronic equipment.....	40.6	40.8	40.1	40.6	40.9	41.0	40.7	40.7	40.7	40.8
Transportation equipment.....	41.8	42.6	41.6	41.6	42.7	42.8	42.5	42.5	42.6	42.5
Motor vehicles and equipment.....	42.2	43.0	41.4	41.3	43.6	43.3	42.8	42.7	42.6	42.7
Instruments and related products.....	41.2	41.3	40.7	40.7	41.5	41.5	41.1	41.3	41.3	41.0
Miscellaneous manufacturing.....	39.0	39.4	38.6	39.6	39.3	39.8	39.6	39.4	39.3	39.8
Nondurable goods.....	40.2	40.3	40.0	40.2	40.1	40.4	40.2	40.3	40.2	40.2
Overtime hours.....	3.8	3.6	3.7	3.9	3.6	3.8	3.7	3.6	3.8	3.7
Food and kindred products.....	40.8	40.7	41.0	41.2	40.3	40.7	40.5	40.7	41.1	40.8
Tobacco manufactures.....	40.1	40.1	37.8	37.7	(2)	(2)	(2)	(2)	(2)	(2)
Textile mill products.....	41.3	41.6	40.6	41.2	41.0	41.7	41.4	41.4	41.2	40.9
Apparel and other textile products.....	37.0	37.4	36.7	37.0	36.9	37.6	37.1	37.1	37.0	36.9
Paper and allied products.....	42.9	43.2	42.8	43.0	43.2	43.4	43.3	43.3	43.1	43.3
Printing and publishing.....	38.1	37.4	37.4	37.9	38.0	37.9	37.7	37.8	37.6	37.8
Chemicals and allied products.....	41.9	42.5	42.2	42.1	42.2	42.6	42.1	42.5	42.5	42.4
Petroleum and coal products.....	44.6	44.6	44.3	44.5	(2)	(2)	(2)	(2)	(2)	(2)
Rubber and misc. plastics products.....	41.3	41.6	40.8	41.0	41.6	41.6	41.5	41.5	41.4	41.3
Leather and leather products.....	37.7	38.7	37.8	38.5	37.5	38.3	37.4	37.9	37.7	38.2
Transportation and public utilities.....	39.7	39.6	39.8	39.8	39.3	40.1	39.5	39.4	39.4	39.4
Wholesale trade.....	38.0	38.1	38.3	38.1	37.9	38.3	37.9	38.0	38.1	38.0
Retail trade.....	29.8	29.2	29.9	29.7	29.0	29.1	28.9	28.9	29.2	28.9
Finance, insurance, and real estate.....	35.7	35.8	36.3	35.8	(2)	(2)	(2)	(2)	(2)	(2)
Services.....	32.8	32.7	33.1	32.9	32.5	32.8	32.5	32.5	32.8	32.6

1/ 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.

2/ 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			
	Aug. 1988	June 1989	July 1989 <sup>p/</sup>	Aug. 1989 <sup>p/</sup>	Aug. 1988	June 1989	July 1989 <sup>p/</sup>	Aug. 1989 <sup>p/</sup>
Total private.....	\$9.24	\$9.58	\$9.63	\$9.60	\$323.40	\$333.35	\$338.01	\$336.00
Seasonally adjusted.....	9.32	9.62	9.70	9.69	322.47	332.85	337.56	335.27
Mining.....	12.69	13.03	12.97	13.11	532.98	535.08	555.12	566.35
Construction.....	12.99	13.24	13.33	13.31	501.41	503.12	518.54	517.76
Manufacturing.....	10.13	10.44	10.48	10.45	414.32	429.08	424.44	426.36
Durable goods.....	10.65	10.98	11.00	10.99	439.85	457.87	449.90	452.79
Lumber and wood products.....	8.58	8.85	8.93	8.98	345.77	357.54	352.74	361.89
Furniture and fixtures.....	8.02	8.23	8.25	8.30	315.19	324.26	318.45	328.68
Stone, clay, and glass products.....	10.45	10.73	10.74	10.76	444.13	457.10	457.52	462.68
Primary metal industries.....	12.10	12.32	12.41	12.32	521.51	533.46	528.67	518.67
Blast furnaces and basic steel products..	13.96	14.18	14.34	14.27	608.66	622.50	619.49	597.91
Fabricated metal products.....	10.21	10.51	10.51	10.50	423.72	438.27	428.81	433.65
Machinery, except electrical.....	10.97	11.32	11.36	11.33	460.74	482.23	474.85	471.33
Electrical and electronic equipment.....	10.15	10.37	10.43	10.45	412.09	423.10	418.24	424.27
Transportation equipment.....	13.21	13.65	13.64	13.72	552.18	581.49	567.42	570.75
Motor vehicles and equipment.....	13.83	14.22	14.13	14.26	583.63	611.46	584.98	588.94
Instruments and related products.....	9.94	10.25	10.29	10.31	409.53	423.33	418.80	419.62
Miscellaneous manufacturing.....	7.95	8.24	8.30	8.16	310.05	324.66	320.38	323.14
Nondurable goods.....	9.41	9.70	9.76	9.72	378.28	390.91	390.40	390.74
Food and kindred products.....	9.02	9.37	9.35	9.26	368.02	381.36	383.35	381.51
Tobacco manufactures.....	14.97	16.48	16.31	15.39	600.30	660.85	616.52	580.20
Textile mill products.....	7.37	7.65	7.65	7.70	304.38	318.24	310.59	317.24
Apparel and other textile products.....	6.09	6.33	6.28	6.35	225.33	236.74	230.48	234.95
Paper and allied products.....	11.65	11.91	12.05	11.92	499.79	514.51	515.74	512.56
Printing and publishing.....	10.54	10.75	10.82	10.87	401.57	402.05	404.67	411.97
Chemicals and allied products.....	12.62	12.98	13.11	13.14	528.78	551.65	553.24	553.19
Petroleum and coal products.....	14.84	15.23	15.31	15.18	661.86	679.26	678.23	675.51
Rubber and misc. plastics products.....	9.17	9.41	9.45	9.43	378.72	391.46	385.56	386.63
Leather and leather products.....	6.22	6.59	6.53	6.57	234.49	255.03	246.83	252.95
Transportation and public utilities.....	12.35	12.48	12.57	12.52	490.30	494.21	500.29	498.30
Wholesale trade.....	9.91	10.31	10.40	10.35	376.58	392.81	398.32	394.34
Retail trade.....	6.26	6.49	6.49	6.49	186.55	189.51	194.05	192.75
Finance, insurance, and real estate.....	9.03	9.48	9.58	9.50	322.37	339.38	347.75	340.10
Services.....	8.81	9.26	9.33	9.29	288.97	302.80	308.82	305.64

<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	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989 <sup>p/</sup>	Aug. 1989 <sup>p/</sup>	Percent change from: July 1989-Aug. 1989
Total private <sup>2/</sup> :							
Current dollars.....	\$9.32	\$9.61	\$9.60	\$9.62	\$9.70	\$9.69	-0.1
Constant (1977) dollars <sup>3/</sup> .....	4.82	4.80	4.77	4.77	4.80	N.A.	(4)
Construction.....	13.03	13.33	13.32	13.32	13.42	\$13.35	-5
Manufacturing.....	10.21	10.40	10.42	10.45	10.49	10.53	-4
Excluding overtime <sup>5/</sup> .....	9.75	9.92	9.97	9.99	10.01	10.05	-4
Transportation and public utilities	12.37	12.52	12.54	12.54	12.60	12.53	-6
Wholesale trade.....	9.95	10.36	10.28	10.33	10.44	10.39	-5
Retail trade.....	6.33	6.51	6.49	6.52	6.54	6.56	-3
Finance, insurance, and real estate	9.09	9.54	9.45	9.53	9.67	9.57	-1.0
Services.....	8.95	9.32	9.33	9.34	9.46	9.43	-3

<sup>1/</sup> See footnote 1, table B-2.<sup>2/</sup> Includes mining, not shown separately, because its seasonal component is too small to be separated out with sufficient precision.<sup>3/</sup> The Consumer Price Index for Urban Wage Earners and Clerical Workers (CPI-W) is

used to deflate this series.

<sup>4/</sup> Change was 0.6 percent from June 1989 to July 1989, 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					
	Aug. 1988	June 1989	July 1989 <sup>p/</sup>	Aug. 1989 <sup>p/</sup>	Aug. 1988	Apr. 1989	May 1989	June 1989	July 1989 <sup>p/</sup>	Aug. 1989 <sup>p/</sup>
Total private.....	127.7	130.2	131.2	131.2	125.1	128.7	127.6	128.1	129.2	128.5
Goods-producing industries.....	103.8	104.6	103.7	105.6	101.5	103.5	102.4	102.5	103.0	103.2
Mining.....	83.0	81.7	81.3	85.8	81.6	83.4	81.8	81.2	81.0	84.2
Construction.....	152.4	148.2	156.2	158.1	137.8	141.0	138.2	139.3	142.8	143.2
Manufacturing.....	95.4	97.2	94.6	96.4	95.5	97.2	96.4	96.4	96.4	96.4
Durable goods.....	92.6	95.0	91.6	92.9	93.7	95.2	94.3	94.0	93.8	94.0
Lumber and wood products.....	107.7	107.6	105.4	107.8	103.6	105.9	103.7	103.4	102.7	103.7
Furniture and fixtures.....	110.9	112.0	107.2	111.9	111.0	114.6	112.9	112.6	112.3	111.8
Stone, clay, and glass products.....	92.7	93.0	92.1	93.8	89.8	91.0	89.3	89.8	90.0	91.0
Primary metal industries.....	67.1	68.8	66.3	66.1	68.0	68.6	68.2	68.5	68.0	67.1
Blast furnaces and basic steel products..	53.6	53.7	52.6	51.1	54.0	52.4	52.3	52.6	51.8	51.7
Fabricated metal products.....	90.0	91.7	87.8	89.5	91.1	92.2	91.7	90.8	90.9	90.6
Machinery, except electrical.....	88.8	94.4	91.9	91.3	90.7	93.9	93.7	93.8	93.8	93.4
Electrical and electronic equipment.....	99.5	97.9	95.0	96.9	100.6	99.7	98.4	97.8	97.7	97.6
Transportation equipment.....	94.9	100.2	94.4	95.2	99.9	101.2	100.5	99.5	99.0	100.3
Motor vehicles and equipment.....	84.4	89.7	81.3	82.9	91.5	91.1	90.2	88.1	86.2	89.3
Instruments and related products.....	112.2	116.7	114.3	115.3	113.1	116.4	115.8	116.1	116.6	116.1
Miscellaneous manufacturing.....	85.6	87.3	81.8	87.9	85.4	87.1	86.6	86.2	85.4	87.4
Nondurable goods.....	99.7	100.5	99.0	101.5	98.0	100.1	99.5	99.9	100.2	99.9
Food and kindred products.....	108.4	104.3	108.8	112.9	100.5	103.8	103.3	104.3	106.5	105.2
Tobacco manufactures.....	75.8	65.7	62.4	66.2	77.5	73.0	69.6	69.0	70.3	67.6
Textile mill products.....	81.0	82.4	78.7	81.3	80.2	82.1	81.5	81.5	81.4	80.4
Apparel and other textile products.....	83.9	86.7	81.6	85.1	83.8	86.8	85.4	85.2	85.0	85.0
Paper and allied products.....	101.8	103.3	101.8	102.5	102.1	102.4	102.3	102.3	102.4	102.9
Printing and publishing.....	136.5	137.1	136.4	138.7	136.7	138.2	137.8	138.3	137.9	138.9
Chemicals and allied products.....	98.5	102.7	101.7	101.3	98.5	100.9	100.5	101.8	101.8	101.3
Petroleum and coal products.....	86.3	86.6	86.3	86.9	84.1	82.9	83.5	84.3	83.2	84.9
Rubber and misc. plastics products.....	116.4	120.1	115.3	117.5	117.9	119.9	119.6	118.9	118.8	119.2
Leather and leather products.....	56.4	57.1	52.3	57.0	54.9	56.0	54.7	55.5	54.7	55.4
Service-producing industries.....	140.9	144.4	146.5	145.4	138.1	142.6	141.5	142.2	143.6	142.5
Transportation and public utilities.....	114.8	118.7	118.8	115.3	113.7	118.6	117.3	117.3	117.5	114.3
Wholesale trade.....	124.0	128.0	128.7	128.1	122.8	127.2	126.1	126.7	127.2	127.1
Retail trade.....	130.0	130.0	132.6	132.1	125.5	127.7	127.2	127.4	128.9	127.8
Finance, insurance, and real estate.....	142.3	144.7	147.8	145.9	140.1	143.8	141.9	142.7	145.0	143.4
Services.....	164.8	171.5	173.9	173.2	162.1	168.9	167.5	169.0	170.8	170.2

<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:												
1987.....	55.6	59.3	61.0	61.9	58.6	59.7	65.3	60.6	63.0	67.8	64.5	60.7
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	P/54.9	P/58.5				
Over 3-month span:												
1987.....	60.7	62.0	66.6	65.2	65.8	65.9	67.8	71.1	71.2	72.3	70.9	65.9
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	P/60.7	P/63.2					
Over 6-month span:												
1987.....	67.3	65.8	64.8	66.8	67.6	69.5	71.3	73.5	73.2	71.5	71.8	72.2
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	P/65.3	P/63.8							
Over 12-month span:												
1987.....	66.6	68.2	68.2	71.8	71.9	72.5	72.2	74.1	75.4	72.5	73.8	76.9
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.....	P/73.5	P/74.2										
Manufacturing payrolls, 141 industries <sup>1/</sup>												
Over 1-month span:												
1987.....	44.3	53.9	54.3	55.7	55.3	54.3	62.8	59.9	63.8	59.9	65.6	56.4
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	P/48.6	P/52.1				
Over 3-month span:												
1987.....	52.1	51.4	59.6	61.3	58.5	62.8	67.0	71.6	68.4	70.6	67.7	64.5
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	P/48.9	P/52.5					
Over 6-month span:												
1987.....	57.4	56.7	55.3	62.4	64.9	67.0	67.4	70.6	71.3	69.5	69.5	68.1
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	P/52.5	P/52.1							
Over 12-month span:												
1987.....	55.3	58.5	58.5	63.5	66.3	67.4	71.6	72.7	71.6	69.1	68.4	72.3
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.....	P/63.5	P/65.6										

<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.