

# News

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## THE EMPLOYMENT SITUATION: APRIL 1978

Employment rose sharply in April and unemployment declined, the Bureau of Labor Statistics of the U. S. Department of Labor reported today. The Nation's unemployment rate was down to 6.0 percent, the lowest level in 3-1/2 years.

Total employment--as measured by the monthly survey of households--advanced by more than half a million to 93.8 million. As a result of this strong increase, the proportion of the working age population that is employed rose to a record high of 58.4 percent.

Nonfarm payroll employment--as measured by the monthly survey of establishments--posted a gain of 620,000; about 160,000 of this increase represented the return to work of striking coal miners.

### Unemployment

The April unemployment rate, 6.0 percent, and the number of unemployed persons, 6.0 million, were down slightly from the levels of the previous month. The unemployment rate was more than a percentage point below its year-ago level and nearly 2 points lower than a year and a half ago.

The over-the-month reduction in unemployment occurred exclusively among adult men, as women and teenagers showed little movement. Joblessness among persons seeking full-time jobs continued the decline evident since late last summer, and the number of people unemployed because of layoff dropped for the third consecutive month. Unemployment lessened considerably for craft and kindred workers and nonfarm laborers. This development was consistent with an improvement among workers in the construction industry, whose jobless rate fell to a 4-year low.

The unemployment rate for male Vietnam-era veterans declined slightly over the month, continuing a recent strong downtrend. In April 1977, the veterans' unemployment rate was about the same as that for nonveterans. However, it dropped by more than 3 percentage points over the past year to 4.5 percent--while the nonveterans' rate declined by only 1 point. Significant improvements were experienced by Vietnam veterans in all age groups. (See table A-2.)

The median duration of unemployment decreased from 6.2 to 5.8 weeks in April, due to an increased proportion of persons unemployed less than 5 weeks and a slight reduction in those unemployed 15 weeks or more. However, the mean duration of unemployment was unchanged from March at 12.3 weeks. (See table A-4.)

# Total Employment and the Labor Force

The growth in the number of employed persons was particularly strong, increasing by 535,000 in April to 93.8 million. Blue-collar workers paced the over-the-month employment gains. Employment of adult men and women, and teenagers all rose over the month.

In line with recent trends, adult women led the increase in the labor force, which rose 370,000 over the month. The April total was thus only 220,000 below the 100-million milestone. In the past year, the labor force has grown by 2.8 million (after taking into account the effect of changes in sampling and estimating procedures in January). All major demographic groups have shown labor force gains, as well as gains in their labor force participation rates. Blacks and women have experienced the greatest rates of labor force growth over this period. (See table A-1.)

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

Selected categories	Quarterly averages					Monthly data		
	1977				1978	1978		
	I	II	III	IV	I	Feb.	Mar.	Apr.
<b>HOUSEHOLD DATA</b>								
Thousands of persons								
Civilian labor force .....	96,221	97,153	97,559	98,622	99,205	99,093	99,414	99,784
Total employment .....	89,059	90,264	90,823	92,069	93,050	93,003	93,266	93,801
Unemployment .....	7,161	6,889	6,736	6,554	6,155	6,090	6,148	5,983
Not in labor force .....	59,225	58,941	59,205	58,777	58,799	58,911	58,776	58,602
Discouraged workers .....	942	1,062	1,067	969	903	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers .....	7.4	7.1	6.9	6.6	6.2	6.1	6.2	6.0
Adult men .....	5.7	5.2	5.0	4.8	4.6	4.5	4.5	4.2
Adult women .....	7.1	7.0	7.0	6.8	5.9	5.7	5.8	5.8
Teenagers .....	18.6	18.1	17.6	16.7	16.9	17.4	17.3	16.9
White .....	6.7	6.3	6.1	5.8	5.4	5.3	5.3	5.2
Black and other .....	12.9	12.8	13.6	13.3	12.3	11.8	12.4	11.8
Full-time workers .....	6.9	6.6	6.5	6.2	5.7	5.7	5.6	5.4
<b>ESTABLISHMENT DATA</b>								
Thousands of jobs								
Nonfarm payroll employment ...	80,925	81,871	82,548	83,192	84,101p	84,046	84,537p	85,156p
Goods-producing industries ...	23,788	24,265	24,359	24,497	24,753p	24,733	24,933p	25,334p
Service-producing industries ..	57,137	57,606	58,189	58,695	59,348p	59,313	59,604p	59,822p
Hours of work								
Average weekly hours:								
Total private nonfarm .....	36.1	36.2	36.0	36.2	35.8p	35.8	36.1p	36.2p
Manufacturing .....	40.1	40.4	40.3	40.5	40.0p	39.9	40.5p	40.5p
Manufacturing overtime .....	3.3	3.4	3.3	3.5	3.6p	3.8	3.6p	3.6p

p=preliminary.

N.A.=not available.

### Industry Payroll Employment

Nonagricultural payroll employment rose by 620,000 in April to 85.2 million, seasonally adjusted. A quarter of this increase, however, reflected the return to work of striking coal miners. Job gains were registered in more than two-thirds of the 172 industries that comprise the BLS diffusion index of private nonagricultural payrolls, with all of the major industry divisions posting increases over the month. Total nonfarm payroll employment has risen 3.5 million since April 1977; more than one-fourth of the rise (excluding the effect of the strike) took place during the past 2 months. (See table B-1.)

Primarily as a result of the strike settlement, employment in mining was up by nearly 170,000 in April to the highest level (just under 900,000) in a quarter of a century. The remainder of the March-April payroll job gain was about evenly distributed between the goods- and service-producing sectors. In the goods industries, there was an unusually sharp increase of 175,000 in contract construction. This was the second straight substantial monthly gain in the industry, pushing the employment level to an all-time high of 4.2 million. Manufacturing employment increased by 60,000 over the month, most of it in the durable goods industries.

In the service-producing sector, the bulk of the March-April job increase occurred in services (70,000) and trade (60,000). Employment in government rose by about 40,000, entirely at the State and local level.

### Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 36.2 hours, seasonally adjusted, slightly above the March level. The workweek had rebounded in March, following weather-related depressed levels in January and February.

Both the factory workweek and overtime were unchanged in April at 40.5 and 3.6 hours, respectively. Consistent with the strong employment upturn in the industry, hours of work in construction were up half an hour to 37.2 hours in April. The mining workweek, on the other hand, fell 0.6 hour, following a substantial rise in the previous month prior to settlement of the strike. (See table B-2.)

As a result of the sharp job advance, the index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls increased by 1.2 percent in April to 120.3 (1967=100), a new record. The factory index was up slightly over the month to its highest level in almost 4 years. (See table B-5.)

#### Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls increased in April by 1.1 percent on a seasonally-adjusted basis, accounting for nearly all of the 1.4 percent advance in average weekly earnings. Since last April, both average hourly and weekly earnings have risen by 8.7 percent.

Before adjustment for seasonality, average hourly earnings were \$5.60, up 6 cents from March and 45 cents from a year earlier. Average weekly earnings increased by \$2.71 over the month to \$201.60 and have risen \$16.20 since April a year ago. (See table R-3.)

#### The Hourly Earnings Index

The Hourly Earnings Index--earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries--was 211.9 (1967=100) in April, 0.8 percent higher than in March. The index was 8.3 percent above April a year ago. During the 12-month period ended in March, the Hourly Earnings Index in dollars of constant purchasing power rose 1.6 percent. (See table B-4.)

# Explanatory Note

This release presents and analyzes statistics from two major surveys. Data on labor force, total employment, and unemployment (A tables) are derived from the Current Population Survey—a sample survey of households which is conducted by the Bureau of the Census for the Bureau of Labor Statistics. Beginning in September 1975, the sample was enlarged by 9,000 households in order to provide greater reliability for smaller States and thus permit the publication of annual statistics for all 50 States and the District of Columbia. These supplementary households were added to the 47,000 national household sample in January 1978; thus the sample now consists of about 56,000 households selected to represent the U.S. civilian noninstitutional population 16 years and over.

Statistics on nonagricultural payroll employment, hours, and earnings (B tables) are collected by the Bureau of Labor Statistics, in cooperation with State agencies, from payroll records of a sample of approximately 165,000 establishments. Unless otherwise indicated, data for both statistical series relate to the week containing the 12th day of the specified month.

## Comparability of household and payroll employment statistics

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

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

## Unemployment

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

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

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

## Seasonal adjustment

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

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

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

For establishment data, the seasonally-adjusted series for all employees, production workers, average weekly hours, and average hourly earnings are adjusted by aggregating the seasonally-adjusted data from the respective component series. These data are also revised annually, often in conjunction with benchmark (comprehensive counts of employment) adjustments. (The most recent revision of seasonally-adjusted data was based on data through August 1977.)

#### **Sampling variability**

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

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

Although the relatively large size of the monthly establishment survey assures a high degree of accuracy, the estimates derived from it also may differ from the figures obtained if a complete census using the same schedules and procedures were possible. However, since the estimating procedures utilize the previous month's level as the base in computing the current month's level of employment (link-relative technique), sampling and response errors may accumulate over several months. To remove this accumulated error, the employment estimates are adjusted to new benchmarks (comprehensive counts of employment), usually on an annual basis. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments. Employment estimates are currently projected from March 1974 levels, plus an interim benchmark adjustment based on December 1975 levels.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The RMSE is the standard deviation adjusted for the bias in estimates. If the bias is small, the chances are about 68 out of 100 that an estimate from the sample would differ from its benchmark by less than the RMSE. For total nonagricultural employment, the RMSE is on the order of plus or minus 81,000. Measures of reliability (approximations of the RMSE) for establishment-survey data and actual amounts of revision due to benchmark adjustments are provided in tables J through O in the "Explanatory Notes" of Employment and Earnings.

## HOUSEHOLD DATA

NOTE: Household survey data for periods prior to January 1978 shown in tables A-1 through A-7 are not strictly comparable with current data because of the introduction of an expansion in the sample and revisions in the estimation procedures. As a result, the overall civilian labor force and employment totals in January were raised by roughly a quarter of a million; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978," *Employment and Earnings*, February 1978 Vol. 25 No. 2.

## HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

(Numbers in thousands)

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Apr. 1977	Mar. 1978	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>TOTAL</b>									
Total noninstitutional population <sup>1</sup>	157,986	160,313	160,504	157,986	159,736	159,937	160,128	160,313	160,504
Armed Forces <sup>1</sup>	2,132	2,122	2,118	2,132	2,129	2,121	2,124	2,122	2,118
Civilian noninstitutional population <sup>1</sup>	155,854	158,190	158,386	155,854	157,608	157,816	158,004	158,190	158,386
Civilian labor force	95,826	98,443	98,866	96,746	98,919	99,107	99,093	99,414	99,784
Participation rate	61.5	62.2	62.4	62.1	62.8	62.8	62.7	62.8	63.0
Employed	89,258	91,964	93,180	89,877	92,609	92,881	93,003	93,266	93,801
Employment-population ratio <sup>2</sup>	56.5	57.4	58.1	56.9	58.0	58.1	58.1	58.2	58.4
Agriculture	3,140	2,913	3,151	3,256	3,323	3,354	3,242	3,310	3,275
Nonagricultural industries	86,118	89,051	90,029	86,621	89,286	89,527	89,761	89,956	90,526
Unemployed	6,568	6,479	5,685	6,869	6,310	6,226	6,090	6,148	5,983
Unemployment rate	6.9	6.6	5.8	7.1	6.4	6.3	6.1	6.2	6.0
Not in labor force	60,028	59,747	59,520	59,108	58,689	58,709	58,911	58,776	58,602
Men, 20 years and over									
Total noninstitutional population <sup>1</sup>	67,209	68,327	68,419	67,209	68,052	68,148	68,240	68,327	68,419
Civilian noninstitutional population <sup>1</sup>	65,522	66,645	66,740	65,522	66,364	66,467	66,556	66,645	66,740
Civilian labor force	51,909	52,870	53,003	52,147	53,122	53,153	53,142	53,242	53,263
Participation rate	79.2	79.3	79.4	79.6	80.0	80.0	79.9	79.9	79.8
Employed	49,114	50,106	50,725	49,419	50,688	50,673	50,759	50,833	51,038
Employment-population ratio <sup>2</sup>	73.1	73.3	74.1	73.5	74.5	74.4	74.4	74.4	74.6
Agriculture	2,259	2,145	2,274	2,280	2,346	2,394	2,283	2,289	2,295
Nonagricultural industries	46,855	47,961	48,451	47,139	48,342	48,279	48,476	48,544	48,743
Unemployed	2,795	2,765	2,278	2,728	2,434	2,480	2,383	2,409	2,225
Unemployment rate	5.4	5.2	4.3	5.2	4.6	4.7	4.5	4.5	4.2
Not in labor force	13,614	13,774	13,737	13,375	13,242	13,314	13,414	13,403	13,477
Women, 20 years and over									
Total noninstitutional population <sup>1</sup>	73,958	75,196	75,300	73,958	74,883	74,991	75,095	75,196	75,300
Civilian noninstitutional population <sup>1</sup>	73,863	75,093	75,198	73,863	74,783	74,892	74,996	75,093	75,198
Civilian labor force	35,418	36,982	37,133	35,428	36,418	36,595	36,654	36,849	37,117
Participation rate	48.0	49.2	49.4	48.0	48.7	48.9	48.9	49.1	49.4
Employed	33,080	34,817	35,083	32,954	34,009	34,348	34,569	34,722	34,948
Employment-population ratio <sup>2</sup>	44.7	46.3	46.6	44.6	45.4	45.8	46.0	46.2	46.4
Agriculture	511	484	552	577	543	517	604	628	623
Nonagricultural industries	32,570	34,333	34,531	32,377	33,466	33,831	33,965	34,094	34,325
Unemployed	2,337	2,165	2,050	2,474	2,409	2,247	2,085	2,127	2,169
Unemployment rate	6.6	5.9	5.5	7.0	6.6	6.1	5.7	5.8	5.8
Not in labor force	38,446	38,111	38,065	38,435	38,365	38,297	38,342	38,244	38,081
Both sexes, 16-19 years									
Total noninstitutional population <sup>1</sup>	16,819	16,790	16,785	16,819	16,802	16,798	16,794	16,790	16,785
Civilian noninstitutional population <sup>1</sup>	16,468	16,453	16,449	16,468	16,460	16,457	16,453	16,452	16,449
Civilian labor force	8,499	8,591	8,730	9,171	9,379	9,359	9,297	9,323	9,404
Participation rate	51.6	52.2	53.1	55.7	57.0	56.9	56.5	56.7	57.2
Employed	7,063	7,041	7,372	7,504	7,912	7,860	7,675	7,711	7,815
Employment-population ratio <sup>2</sup>	42.0	41.9	43.9	44.6	47.1	46.8	45.7	45.9	46.6
Agriculture	370	284	326	399	434	443	355	393	357
Nonagricultural industries	6,693	6,758	7,047	7,105	7,478	7,417	7,320	7,318	7,458
Unemployed	1,436	1,549	1,357	1,667	1,467	1,499	1,622	1,612	1,589
Unemployment rate	16.9	18.0	15.5	18.2	15.6	16.0	17.4	17.3	16.9
Not in labor force	7,969	7,862	7,719	7,297	7,081	7,098	7,156	7,129	7,045
WHITE									
Total noninstitutional population <sup>1</sup>	138,894	140,714	140,863	138,894	140,264	140,421	140,571	140,714	140,863
Civilian noninstitutional population <sup>1</sup>	137,139	138,997	139,149	137,139	138,523	138,687	138,834	138,997	139,149
Civilian labor force	84,890	86,736	87,198	85,625	87,193	87,425	87,360	87,532	87,945
Participation rate	61.9	62.4	62.7	62.4	62.9	63.0	62.9	63.0	63.2
Employed	79,618	81,737	82,848	80,149	82,391	82,650	82,697	82,880	83,386
Employment-population ratio <sup>2</sup>	57.3	58.1	58.8	57.7	58.7	58.9	58.8	58.9	59.2
Unemployed	5,273	4,999	4,351	5,476	4,802	4,775	4,663	4,652	4,559
Unemployment rate	6.2	5.8	5.0	6.4	5.5	5.5	5.3	5.3	5.2
Not in labor force	52,249	52,261	51,951	51,514	51,330	51,262	51,474	51,465	51,204
BLACK AND OTHER									
Total noninstitutional population <sup>1</sup>	19,091	19,599	19,641	19,091	19,473	19,516	19,558	19,599	19,641
Civilian noninstitutional population <sup>1</sup>	18,714	19,194	19,237	18,714	19,084	19,129	19,170	19,194	19,237
Civilian labor force	10,935	11,707	11,667	11,086	11,761	11,725	11,785	11,871	11,816
Participation rate	58.4	61.0	60.6	59.2	61.6	61.3	61.5	61.8	61.4
Employed	9,640	10,227	10,333	9,725	10,271	10,238	10,391	10,402	10,418
Employment-population ratio <sup>2</sup>	50.5	52.2	52.6	50.9	52.7	52.5	53.1	53.1	53.0
Unemployed	1,295	1,480	1,335	1,361	1,490	1,487	1,394	1,469	1,398
Unemployment rate	11.8	12.6	11.4	12.3	12.7	12.7	11.8	12.4	11.8
Not in labor force	7,779	7,486	7,569	7,628	7,323	7,404	7,385	7,323	7,421

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

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

Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (in thousands)		Unemployment rates					
	Apr. 1977	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>CHARACTERISTICS</b>								
Total, 16 years and over	6,869	5,983	7.1	6.4	6.3	6.1	6.2	6.0
Men, 20 years and over	2,728	2,225	5.2	4.6	4.7	4.5	4.5	4.2
Women, 20 years and over	2,474	2,169	7.0	6.6	6.1	5.7	5.8	5.8
Both sexes, 16-19 years	1,667	1,589	18.2	15.6	16.0	17.4	17.3	16.9
White, total	5,476	4,559	6.4	5.5	5.5	5.3	5.3	5.2
Men, 20 years and over	2,228	1,696	4.8	4.0	4.0	3.9	4.0	3.6
Women, 20 years and over	1,902	1,640	6.2	5.9	5.5	5.0	4.9	5.1
Both sexes, 16-19 years	1,346	1,223	16.2	12.7	13.7	14.8	14.6	14.6
Black and other, total	1,361	1,398	12.3	12.7	12.7	11.8	12.4	11.8
Men, 20 years and over	466	501	8.6	9.1	9.8	8.6	8.5	8.8
Women, 20 years and over	581	539	12.2	11.5	10.8	10.1	11.4	10.5
Both sexes, 16-19 years	314	358	35.8	38.0	38.7	38.0	39.0	35.3
Married men, spouse present	1,463	1,098	3.7	3.2	2.9	2.9	3.0	2.8
Married women, spouse present	1,491	1,146	6.6	6.2	5.6	5.2	5.1	5.0
Women who head families	404	482	9.4	8.1	7.9	7.6	8.6	10.1
Full-time workers	5,427	4,558	6.6	5.9	5.8	5.7	5.6	5.4
Part-time workers	1,443	1,438	9.9	8.9	8.9	8.6	9.6	9.6
Unemployed 15 weeks and over <sup>1</sup>	1,828	1,384	1.9	1.8	1.7	1.6	1.5	1.4
Labor force time lost <sup>2</sup>	—	—	7.4	7.0	6.8	6.6	6.6	6.3
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers	2,068	1,720	4.4	4.0	3.6	3.5	3.4	3.5
Professional and technical	444	362	3.2	2.8	2.7	2.5	2.6	2.5
Managers and administrators, except farm	286	206	2.9	2.5	2.5	1.9	2.3	2.0
Sales workers	319	261	5.3	4.7	3.9	4.3	4.3	4.3
Clerical workers	1,019	891	6.0	5.5	5.0	5.0	4.5	5.1
Blue-collar workers	2,586	2,196	7.9	7.2	7.1	7.1	7.1	6.5
Craft and kindred workers	623	553	5.0	5.2	5.4	5.0	5.1	4.3
Operatives, except transport	1,082	909	9.5	8.5	7.9	8.1	8.0	7.6
Transport equipment operatives	241	197	6.5	5.6	5.4	5.0	5.2	5.2
Nonfarm laborers	640	537	12.6	10.6	11.0	11.5	11.9	10.0
Service workers	1,116	1,066	8.3	7.8	7.6	7.1	7.7	7.7
Farm workers	137	87	4.7	3.9	3.9	4.7	4.7	3.1
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup>	4,951	4,273	7.1	6.3	6.2	6.1	6.0	5.9
Construction	560	469	12.2	10.8	11.7	11.5	11.3	9.5
Manufacturing	1,458	1,155	6.7	5.7	5.6	5.7	5.4	5.3
Durable goods	776	575	6.1	5.6	5.2	5.0	4.8	4.4
Nondurable goods	682	580	7.7	5.9	6.1	6.5	6.2	6.5
Transportation and public utilities	222	198	4.5	4.9	4.3	3.2	3.7	3.7
Wholesale and retail trade	1,425	1,307	7.9	7.3	7.1	7.1	7.3	7.2
Finance and service industries	1,250	1,100	6.2	5.5	5.3	5.1	5.1	5.2
Government workers	645	603	4.1	4.3	4.2	3.5	3.7	3.8
Agricultural wage and salary workers	179	117	12.1	9.6	9.0	10.1	10.0	7.7
<b>VETERAN STATUS</b>								
Male Vietnam-era veterans: <sup>5</sup>								
20 to 34 years	493	279	7.6	5.6	5.7	5.2	5.0	4.5
20 to 24 years	147	77	15.5	11.8	12.9	12.5	13.2	10.7
25 to 29 years	228	104	7.9	6.1	6.1	5.4	4.6	4.5
30 to 34 years	118	98	4.5	3.7	3.5	3.4	3.5	3.1
Male nonveterans:								
20 to 34 years	1,177	1,086	7.5	6.9	7.1	6.7	6.9	6.5
20 to 24 years	700	632	10.2	9.4	10.1	9.7	9.5	8.8
25 to 29 years	315	344	6.3	5.2	5.4	5.0	5.8	6.1
30 to 34 years	162	110	4.2	4.5	4.0	3.8	3.5	2.9

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

by industry covers only unemployed wage and salary workers.

<sup>4</sup> Includes mining, not shown separately.<sup>5</sup> Vietnam-era veterans are those who served between August 5, 1964, and May 7, 1975.



## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	Apr. 1977	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>CHARACTERISTICS</b>								
Total employed, 16 years and over .....	89,258	93,180	89,877	92,609	92,881	93,003	93,266	93,801
Men .....	52,955	54,674	53,482	55,012	54,975	54,897	55,013	55,208
Women .....	36,303	38,506	36,395	37,597	37,906	38,106	38,253	38,593
Married men, spouse present .....	38,305	38,473	38,450	38,682	38,645	38,666	38,465	38,628
Married women, spouse present .....	21,076	21,869	21,053	21,416	21,638	21,738	21,674	21,847
<b>OCCUPATION</b>								
White-collar workers .....	44,791	46,766	44,804	46,316	46,547	46,555	46,835	46,789
Professional and technical .....	13,659	14,257	13,568	13,981	14,057	14,016	14,060	14,158
Managers and administrators, except farm .....	9,292	9,987	9,498	9,939	10,067	10,134	10,169	10,212
Sales workers .....	5,794	5,914	5,744	5,796	5,913	5,811	5,985	5,861
Clerical workers .....	16,045	16,608	15,994	16,600	16,510	16,594	16,621	16,558
Blue-collar workers .....	29,521	30,996	30,139	30,807	30,942	31,198	31,039	31,655
Craft and kindred workers .....	11,670	12,093	11,869	12,153	12,111	12,220	12,169	12,302
Operatives, except transport .....	10,207	10,809	10,357	10,424	10,755	10,738	10,766	10,974
Transport equipment operatives .....	3,440	3,539	3,462	3,555	3,432	3,643	3,541	3,560
Nonfarm laborers .....	4,204	4,554	4,451	4,675	4,644	4,597	4,563	4,819
Service workers .....	12,252	12,786	12,294	12,617	12,704	12,703	12,572	12,830
Farm workers .....	2,694	2,632	2,752	2,805	2,872	2,769	2,788	2,687
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,252	1,353	1,302	1,405	1,387	1,345	1,389	1,408
Self-employed workers .....	1,534	1,521	1,553	1,605	1,604	1,587	1,527	1,539
Unpaid family workers .....	355	278	361	346	342	314	389	283
Nonagricultural industries:								
Wage and salary workers .....	79,753	83,147	80,221	82,692	82,915	83,078	83,124	83,648
Government .....	15,140	15,473	14,980	15,422	15,267	15,237	15,154	15,305
Private industries .....	64,613	67,673	65,241	67,270	67,648	67,841	67,970	68,343
Private households .....	1,331	1,378	1,341	1,436	1,421	1,383	1,293	1,388
Other industries .....	63,282	66,295	63,900	65,834	66,227	66,458	66,677	66,955
Self-employed workers .....	5,853	6,364	5,946	6,182	6,259	6,268	6,427	6,467
Unpaid family workers .....	511	517	500	442	439	488	500	506
<b>PERSONS AT WORK <sup>1</sup></b>								
Nonagricultural industries .....	81,788	86,652	81,188	83,662	83,304	84,054	84,285	86,043
Full-time schedules .....	66,436	70,338	66,603	68,574	68,812	69,215	69,417	70,550
Part time for economic reasons .....	2,897	3,017	3,192	3,220	2,986	3,193	3,164	3,327
Usually work full time .....	1,187	1,223	1,188	1,247	1,043	1,128	1,226	1,224
Usually work part time .....	1,710	1,794	2,004	1,973	1,943	2,065	1,938	2,103
Part time for noneconomic reasons .....	12,455	13,297	11,393	11,868	11,506	11,646	11,704	12,166

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

Table A-4. Duration of unemployment

[Numbers in thousands]

Weeks of unemployment	Not seasonally adjusted		Seasonally adjusted					
	Apr. 1977	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>DURATION</b>								
Less than 5 weeks .....	2,545	2,335	3,041	2,628	2,700	2,586	2,820	2,790
5 to 14 weeks .....	1,666	1,565	1,899	1,937	1,861	1,820	1,877	1,784
15 weeks and over .....	2,357	1,785	1,828	1,797	1,688	1,568	1,463	1,384
15 to 26 weeks .....	1,140	1,052	720	941	864	897	766	716
27 weeks and over .....	1,217	733	1,108	856	824	671	697	668
Average (mean) duration, in weeks .....	16.3	13.9	14.4	13.8	13.1	12.5	12.3	12.3
Median duration, in weeks .....	8.9	7.3	7.0	7.1	6.6	7.0	6.2	5.8
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks .....	38.8	41.1	44.9	41.3	43.2	43.3	45.8	46.8
5 to 14 weeks .....	25.4	27.5	28.1	30.4	29.8	30.5	30.5	29.9
15 weeks and over .....	35.9	31.4	27.0	28.2	27.0	26.2	23.8	23.2
15 to 26 weeks .....	17.4	18.5	10.6	15.0	13.8	15.0	12.4	12.0
27 weeks and over .....	18.5	12.9	16.4	13.5	13.2	11.2	11.3	11.2

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Apr. 1977	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>NUMBER OF UNEMPLOYED</b>								
Lost last job .....	3,216	2,616	3,043	2,748	2,698	2,540	2,493	2,475
On layoff .....	844	631	793	687	768	709	660	593
Other job losers .....	2,372	1,986	2,250	2,061	1,930	1,831	1,833	1,882
Left last job .....	774	778	868	877	856	898	862	872
Reentered labor force .....	1,735	1,509	1,993	1,886	1,821	1,796	1,911	1,734
Seeking first job .....	842	782	985	820	914	868	923	925
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	49.0	46.0	44.2	43.4	42.9	41.6	40.3	41.2
On layoff .....	12.9	11.1	11.5	10.9	12.2	11.6	10.7	9.9
Other job losers .....	36.1	34.9	32.7	32.6	30.7	30.0	29.6	31.3
Job leavers .....	11.8	13.7	12.6	13.9	13.6	14.7	13.9	14.5
Reentrants .....	26.4	26.5	28.9	29.8	29.0	29.4	30.9	28.9
New entrants .....	12.8	13.8	14.3	13.0	14.5	14.2	14.9	15.4
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	3.4	2.6	3.1	2.8	2.7	2.6	2.5	2.5
Job leavers .....	.8	.8	.9	.9	.9	.9	.9	.9
Reentrants .....	1.8	1.5	2.1	1.9	1.8	1.8	1.9	1.7
New entrants .....	.9	.8	1.0	.8	.9	.9	.9	.9

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

Sex and age	Number of unemployed persons (In thousands)		Unemployment rates					
	Apr. 1977	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>Total, 16 years and over .....</b>	<b>6,869</b>	<b>5,983</b>	<b>7.1</b>	<b>6.4</b>	<b>6.3</b>	<b>6.1</b>	<b>6.2</b>	<b>6.0</b>
16 to 19 years .....	1,667	1,589	18.2	15.6	16.0	17.4	17.3	16.9
16 to 17 years .....	749	798	19.7	17.8	18.2	20.8	20.4	19.9
18 to 19 years .....	909	782	16.8	13.7	14.5	15.0	15.2	14.4
20 to 24 years .....	1,574	1,488	11.0	10.2	10.5	10.1	10.3	10.0
25 years and over .....	3,646	2,933	5.0	4.4	4.2	3.9	4.0	3.9
25 to 54 years .....	3,075	2,490	5.2	4.6	4.3	4.1	4.2	4.1
55 years and over .....	580	463	4.1	4.0	3.5	3.3	3.1	3.2
<b>Men, 16 years and over .....</b>	<b>3,592</b>	<b>3,056</b>	<b>6.3</b>	<b>5.5</b>	<b>5.6</b>	<b>5.6</b>	<b>5.6</b>	<b>5.2</b>
16 to 19 years .....	864	831	17.5	15.3	14.9	17.2	17.1	16.6
16 to 17 years .....	384	429	18.5	16.7	17.2	21.1	21.0	19.9
18 to 19 years .....	462	384	16.1	13.9	13.4	14.3	14.3	13.4
20 to 24 years .....	843	736	10.8	9.8	10.5	10.3	10.1	9.1
25 years and over .....	1,887	1,491	4.3	3.6	3.5	3.4	3.5	3.3
25 to 54 years .....	1,550	1,196	4.4	3.6	3.6	3.4	3.5	3.3
55 years and over .....	335	297	3.8	3.7	3.2	3.2	3.2	3.3
<b>Women, 16 years and over .....</b>	<b>3,277</b>	<b>2,927</b>	<b>8.3</b>	<b>7.6</b>	<b>7.3</b>	<b>6.9</b>	<b>7.0</b>	<b>7.0</b>
16 to 19 years .....	803	758	18.9	16.1	17.4	17.7	17.5	17.2
16 to 17 years .....	365	369	21.2	19.2	19.5	20.4	19.6	19.9
18 to 19 years .....	447	398	17.7	13.5	15.8	15.7	16.1	15.6
20 to 24 years .....	731	752	11.3	10.8	10.5	9.8	10.4	11.0
25 years and over .....	1,759	1,442	6.1	5.7	5.2	4.7	4.7	4.8
25 to 54 years .....	1,525	1,294	6.5	6.0	5.5	5.1	5.2	5.2
55 years and over .....	245	166	4.5	4.4	3.8	3.3	3.0	3.0

## HOUSEHOLD DATA

## HOUSEHOLD DATA

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

[Percent]

Measures	Quarterly averages					Monthly data		
	1977				1978	1978		
	I	II	III	IV	I	Feb.	Mar.	Apr.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	2.2	1.9	1.9	1.9	1.6	1.6	1.5	1.4
U-2—Job losers as a percent of the civilian labor force .....	3.4	3.1	3.2	3.0	2.6	2.6	2.5	2.5
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over .....	5.2	5.0	4.9	4.7	4.0	3.9	4.0	3.9
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force .....	6.9	6.6	6.5	6.2	5.7	5.7	5.6	5.4
U-5—Total unemployed as a percent of the civilian labor force (official measure) .....	7.4	7.1	6.9	6.6	6.2	6.1	6.2	6.0
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons as a percent of the civilian labor force less ½ of the part-time labor force .....	9.0	8.7	8.6	8.2	7.6	7.6	7.6	7.5
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ½ of the part-time labor force .....	10.0	9.7	9.7	9.2	8.5	N.A.	N.A.	N.A.

N.A. = not available.

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-8. Employment status of the noninstitutional population in the ten largest States

(Numbers in thousands)

State and employment status	Not seasonally adjusted <sup>1</sup>			Seasonally adjusted					
	Apr. 1977	Mar. 1978	Apr. 1978	Apr. 1977	Dec. 1977	Jan. 1978	Feb. 1978	Mar. 1978	Apr. 1978
<b>California</b>									
Civilian noninstitutional population <sup>1</sup>	15,842	16,148	16,175	15,842	16,090	16,099	16,124	16,148	16,175
Civilian labor force	9,969	10,524	10,538	10,075	10,317	10,288	10,422	10,568	10,643
Employed	9,116	9,681	9,777	9,200	9,602	9,584	9,628	9,745	9,862
Unemployed	853	843	760	875	715	704	794	823	781
Unemployment rate	8.6	8.0	7.2	8.7	6.9	6.8	7.6	7.8	7.3
<b>Florida</b>									
Civilian noninstitutional population <sup>1</sup>	6,327	6,498	6,515	6,327	6,453	6,465	6,481	6,498	6,515
Civilian labor force	3,417	3,608	3,669	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,141	3,381	3,446	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	275	227	223	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	8.1	6.3	6.1	(2)	(2)	(2)	(2)	(2)	(2)
<b>Illinois</b>									
Civilian noninstitutional population <sup>1</sup>	8,133	8,200	8,205	8,133	8,194	8,189	8,195	8,200	8,205
Civilian labor force	5,115	5,230	5,236	5,167	5,276	5,299	5,262	5,243	5,291
Employed	4,840	4,880	4,950	4,866	4,945	4,943	4,923	4,912	4,977
Unemployed	276	350	287	301	331	356	339	331	314
Unemployment rate	5.4	6.7	5.5	5.8	6.3	6.7	6.4	6.3	5.9
<b>Massachusetts</b>									
Civilian noninstitutional population <sup>1</sup>	4,285	4,323	4,327	4,285	4,317	4,315	4,319	4,323	4,327
Civilian labor force	2,747	2,799	2,794	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,499	2,627	2,635	2,536	2,613	2,649	2,641	2,657	2,672
Unemployed	248	172	160	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	9.0	6.2	5.7	(2)	(2)	(2)	(2)	(2)	(2)
<b>Michigan</b>									
Civilian noninstitutional population <sup>1</sup>	6,532	6,602	6,609	6,532	6,590	6,590	6,596	6,602	6,609
Civilian labor force	4,062	4,125	4,155	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,765	3,829	3,881	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	297	296	274	277	319	330	242	229	254
Unemployment rate	7.3	7.2	6.6	(2)	(2)	(2)	(2)	(2)	(2)
<b>New Jersey</b>									
Civilian noninstitutional population <sup>1</sup>	5,400	5,448	5,453	5,400	5,440	5,439	5,444	5,448	5,453
Civilian labor force	3,316	3,267	3,302	3,352	3,487	3,406	3,356	3,274	3,339
Employed	2,981	3,037	3,064	3,010	3,226	3,175	3,109	3,067	3,093
Unemployed	334	230	238	342	261	231	247	207	246
Unemployment rate	10.1	7.1	7.2	10.2	7.5	6.8	7.4	6.3	7.4
<b>New York</b>									
Civilian noninstitutional population <sup>1</sup>	13,294	13,321	13,324	13,294	13,326	13,317	13,318	13,321	13,324
Civilian labor force	7,773	7,773	7,830	7,789	7,906	7,906	7,826	7,784	7,842
Employed	7,055	7,132	7,245	7,049	7,246	7,278	7,192	7,182	7,239
Unemployed	718	641	585	740	660	628	634	602	603
Unemployment rate	9.2	8.2	7.5	9.5	8.3	7.9	8.1	7.7	7.7
<b>Ohio</b>									
Civilian noninstitutional population <sup>1</sup>	7,761	7,820	7,826	7,761	7,814	7,812	7,816	7,820	7,826
Civilian labor force	4,711	4,744	4,788	4,772	4,842	4,787	4,795	4,787	4,850
Employed	4,418	4,452	4,518	4,474	4,580	4,526	4,541	4,538	4,574
Unemployed	292	291	270	298	262	261	254	249	276
Unemployment rate	6.2	6.1	5.6	6.2	5.4	5.5	5.3	5.2	5.7
<b>Pennsylvania</b>									
Civilian noninstitutional population <sup>1</sup>	8,799	8,850	8,856	8,799	8,847	8,842	8,846	8,850	8,856
Civilian labor force	5,133	5,232	5,207	5,173	5,207	5,166	5,188	5,269	5,248
Employed	4,772	4,818	4,848	4,789	4,800	4,802	4,862	4,899	4,866
Unemployed	361	414	359	384	407	364	326	370	382
Unemployment rate	7.0	7.9	6.9	7.4	7.8	7.0	6.3	7.0	7.3
<b>Texas</b>									
Civilian noninstitutional population <sup>1</sup>	8,948	9,143	9,160	8,948	9,101	9,108	9,125	9,143	9,160
Civilian labor force	5,704	5,950	5,913	5,754	5,932	5,984	5,919	5,990	5,955
Employed	5,423	5,670	5,683	5,435	5,625	5,692	5,612	5,702	5,695
Unemployed	282	280	230	319	307	292	307	288	260
Unemployment rate	4.9	4.7	3.9	5.5	5.2	4.9	5.2	4.8	4.4

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

\* These are the official Bureau of Labor Statistics' estimates used in the administration of Federal fund allocation programs.

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

NOTE: A comprehensive reappraisal of the seasonal adjustment of the employment and unemployment series for all 10 States is now underway. Revisions in certain series will be introduced in the near future.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-1. Employees on nonagricultural payrolls, by industry

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted					
	APR. 1977	FEB. 1978	MAR. p 1978	APR. p 1978	APR. 1977	DEC. 1977	JAN. 1978	FEB. 1978	MAR. p 1978	APR. p 1978
<b>TOTAL</b> .....	91,332	82,852	83,716	84,952	81,620	83,429	83,716	84,046	84,537	85,156
<b>GOODS-PRODUCING</b> .....	23,846	23,092	24,349	24,986	24,176	24,526	24,593	24,733	24,933	25,234
<b>MINING</b> .....	838	697	713	884	847	711	705	711	725	893
<b>CONTRACT CONSTRUCTION</b> .....	3,681	3,505	3,712	4,053	3,830	3,947	3,916	3,947	4,044	4,217
<b>MANUFACTURING</b> .....	19,327	19,790	19,924	20,049	19,499	19,968	19,972	20,075	20,164	20,224
<i>Production workers</i> .....	13,893	14,229	14,339	14,426	14,044	14,306	14,403	14,498	14,555	14,581
<b>DURABLE GOODS</b> .....	11,348	11,746	11,829	11,942	11,404	11,748	11,828	11,909	11,961	12,001
<i>Production workers</i> .....	9,114	9,427	9,495	9,578	8,167	9,439	9,512	9,575	9,611	9,630
Ordnance and accessories .....	155.5	156.9	156.9	157.6	156	155	156	157	157	158
Lumber and wood products .....	626.1	641.9	640.2	660.4	635	666	667	664	669	670
Furniture and fixtures .....	501.0	531.0	535.1	535.5	506	530	532	537	540	540
Stone, clay, and glass products .....	643.6	649.2	661.5	682.6	650	671	675	676	680	689
Primary metal industries .....	1,205.4	1,207.5	1,205.0	1,214.4	1,208	1,204	1,212	1,217	1,215	1,217
Fabricated metal products .....	1,423.4	1,491.1	1,498.9	1,511.7	1,433	1,492	1,490	1,515	1,516	1,522
Machinery, except electrical .....	2,152.1	2,285.6	2,299.5	2,316.3	2,150	2,257	2,265	2,279	2,293	2,314
Electrical equipment .....	1,901.8	2,004.7	2,014.2	2,028.0	1,915	1,987	1,998	2,017	2,035	2,042
Transportation equipment .....	1,800.5	1,826.3	1,848.2	1,871.1	1,802	1,830	1,862	1,879	1,882	1,873
Instruments and related products .....	522.2	538.0	542.3	543.4	525	536	539	541	546	547
Miscellaneous manufacturing .....	416.5	411.7	418.0	421.0	424	420	423	427	428	429
<b>NONDURABLE GOODS</b> .....	7,979	8,044	8,095	8,107	8,095	8,120	8,144	8,166	8,203	8,223
<i>Production workers</i> .....	5,775	5,801	5,844	5,848	5,877	5,968	5,991	5,913	5,944	5,951
Food and kindred products .....	1,664.5	1,654.2	1,671.4	1,664.4	1,741	1,714	1,728	1,729	1,743	1,741
Tobacco manufacturers .....	66.8	67.6	65.3	61.0	74	69	69	69	70	68
Textile mill products .....	978.4	990.6	991.4	990.0	975	990	991	995	995	992
Apparel and other textile products .....	1,286.2	1,274.5	1,293.9	1,293.2	1,290	1,291	1,289	1,283	1,291	1,297
Paper and allied products .....	699.4	703.0	707.7	712.8	695	705	707	710	714	719
Printing and publishing .....	1,100.5	1,127.1	1,130.7	1,134.0	1,103	1,123	1,125	1,129	1,133	1,137
Chemicals and allied products .....	1,053.2	1,061.9	1,066.4	1,070.8	1,057	1,064	1,066	1,070	1,071	1,075
Petroleum and coal products .....	206.4	210.1	211.5	213.1	209	212	214	217	217	216
Rubber and plastics products, nec .....	667.7	690.0	694.4	700.4	691	689	693	701	706	714
Leather and leather products .....	266.3	260.4	262.3	264.3	266	263	262	263	263	264
<b>SERVICE-PRODUCING</b> .....	57,486	58,960	59,367	59,966	57,444	58,903	59,126	59,313	59,604	59,922
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,538	4,591	4,632	4,662	4,575	4,652	4,628	4,651	4,674	4,700
<b>WHOLESALE AND RETAIL TRADE</b> .....	18,026	18,343	18,512	18,746	18,175	18,610	18,744	18,744	18,843	18,902
<b>WHOLESALE TRADE</b> .....	4,332	4,465	4,494	4,511	4,371	4,463	4,482	4,510	4,539	4,552
<b>RETAIL TRADE</b> .....	13,694	13,878	14,018	14,235	13,804	14,150	14,262	14,234	14,304	14,350
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> ..	4,457	4,605	4,639	4,682	4,463	4,611	4,630	4,647	4,672	4,696
<b>SERVICES</b> .....	15,182	15,602	15,755	15,953	15,182	15,663	15,693	15,791	15,882	15,953
<b>GOVERNMENT</b> .....	15,290	15,719	15,829	15,823	15,049	15,367	15,431	15,480	15,533	15,571
<b>FEDERAL</b> .....	2,716	2,720	2,725	2,732	2,721	2,718	2,736	2,736	2,736	2,737
<b>STATE AND LOCAL</b> .....	12,574	12,999	13,104	13,091	12,328	12,649	12,695	12,744	12,797	12,834

p=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					
	APR. 1977	FEB. 1978	MAR. p 1978	APR. p 1978	APR. 1977	DEC. 1977	JAN. 1978	FEB. 1978	MAR. p 1978	APR. p 1978
<b>TOTAL PRIVATE</b> .....	36.0	35.5	35.9	36.0	36.2	36.2	35.6	35.9	36.1	36.2
<b>MINING</b> .....	43.0	43.4	44.2	43.7	44.3	43.7	43.2	43.6	44.7	44.1
<b>CONTRACT CONSTRUCTION</b> .....	37.0	34.8	36.3	36.9	37.3	36.9	34.6	35.7	36.7	37.2
<b>MANUFACTURING</b> .....	40.0	39.6	40.3	40.3	40.3	40.5	39.6	39.9	40.5	40.5
Overtime hours .....	3.1	3.4	3.4	3.4	3.4	3.5	3.5	3.9	3.6	3.6
<b>DURABLE GOODS</b> .....	40.7	40.2	40.9	40.9	40.8	41.2	40.2	40.5	41.1	41.1
Overtime hours .....	3.3	3.7	3.6	3.6	3.5	3.7	3.7	4.0	3.8	3.8
Ordnance and accessories .....	41.0	37.7	39.4	39.5	41.0	41.1	40.2	37.9	39.3	38.5
Lumber and wood products .....	40.0	39.2	39.6	39.8	40.0	40.2	39.4	39.4	40.0	39.8
Furniture and fixtures .....	37.9	39.0	39.4	39.6	38.5	39.5	37.7	39.8	39.9	39.6
Stone, clay, and glass products .....	41.4	40.2	41.2	41.7	41.7	41.6	40.3	40.9	41.4	42.0
Primary metal industries .....	41.4	41.2	41.3	41.5	41.4	41.4	41.0	41.5	41.4	41.5
Fabricated metal products .....	40.5	40.3	41.0	41.0	40.8	41.5	40.3	40.7	41.2	41.3
Machinery, except electrical .....	41.1	41.6	42.1	41.8	41.4	41.9	40.9	41.7	42.1	42.1
Electrical equipment .....	39.9	39.4	40.1	39.8	40.1	40.3	39.5	39.6	40.2	40.0
Transportation equipment .....	42.0	40.0	41.4	41.8	42.0	42.2	41.1	40.6	41.6	41.8
Instruments and related products .....	40.0	40.0	40.9	40.6	40.3	40.4	39.8	40.3	41.0	40.9
Miscellaneous manufacturing .....	38.0	38.1	39.2	39.1	39.0	38.9	38.0	38.3	39.1	39.2
<b>NONDURABLE GOODS</b> .....	39.1	38.7	39.4	39.3	39.6	39.5	38.7	39.1	39.6	39.7
Overtime hours .....	2.9	3.1	3.1	3.1	3.2	3.1	3.1	3.4	3.3	3.4
Food and kindred products .....	39.6	39.0	39.4	39.1	40.3	39.7	39.1	39.6	40.0	39.8
Tobacco manufacturers .....	37.2	37.9	38.5	38.9	38.2	38.3	37.5	38.5	39.0	39.3
Textile mill products .....	40.1	40.0	40.4	40.3	40.5	40.6	40.0	40.3	40.6	40.7
Apparel and other textile products .....	35.0	34.9	35.7	35.8	35.3	35.8	33.9	35.2	35.8	36.1
Paper and allied products .....	42.8	41.8	42.8	42.7	43.5	42.9	42.2	42.4	43.2	43.4
Printing and publishing .....	37.4	37.2	37.9	37.7	37.8	37.9	37.4	37.5	38.0	38.1
Chemicals and allied products .....	41.9	41.5	42.0	41.7	41.8	41.7	41.6	41.7	42.1	41.6
Petroleum and coal products .....	42.7	42.7	43.4	44.8	42.7	43.9	43.6	43.4	43.8	44.8
Rubber and plastics products, nec .....	41.0	39.4	40.5	40.6	41.3	40.7	39.8	39.4	40.5	40.9
Leather and leather products .....	36.7	36.3	37.2	37.4	37.3	37.2	36.6	36.6	37.4	38.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	39.0	40.1	40.2	40.2	40.1	40.2	39.8	40.4	40.6	40.4
<b>WHOLESALE AND RETAIL TRADE</b> .....	33.1	32.4	32.7	32.8	33.4	33.3	32.8	32.8	33.0	33.1
WHOLESALE TRADE .....	38.7	38.5	39.8	38.6	38.9	38.8	38.6	38.8	39.0	39.1
RETAIL TRADE .....	31.5	30.6	30.9	31.1	31.8	31.7	31.1	31.1	31.3	31.4
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.6	36.6	36.6	36.9	36.6	36.6	36.5	36.5	36.7	36.9
<b>SERVICES</b> .....	33.3	33.1	33.2	33.3	33.5	33.4	33.5	33.2	33.4	33.5

<sup>1</sup> Data relate to production workers in mining and manufacturing; to construction workers in contract 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 employment on private nonagricultural payrolls.  
p=preliminary.

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			
	APR. 1977	FEB. 1978	MAR. 1978 <sup>p</sup>	APR. 1978 <sup>p</sup>	APR. 1977	FEB. 1978	MAR. 1978 <sup>p</sup>	APR. 1978 <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	\$5.15	\$5.51	\$5.54	\$5.60	\$195.40	\$195.61	\$198.89	\$201.60
<i>Seasonally adjusted</i> .....	5.17	5.52	5.56	5.62	187.15	197.62	200.72	203.44
<b>MINING</b> .....	6.80	6.55	6.87	7.37	298.52	297.29	303.65	322.07
<b>CONTRACT CONSTRUCTION</b> .....	7.98	8.30	8.33	8.30	291.56	288.84	302.38	306.27
<b>MANUFACTURING</b> .....	5.52	5.94	5.96	5.99	220.80	235.22	240.15	241.40
<b>DURABLE GOODS</b> .....	5.88	6.33	6.35	6.39	239.32	254.47	259.72	261.35
Ordnance and accessories .....	6.14	6.71	6.73	6.76	251.74	252.97	265.16	260.26
Lumber and wood products .....	4.94	5.34	5.34	5.38	197.60	200.33	211.46	214.12
Furniture and fixtures .....	4.21	4.52	4.54	4.57	159.56	176.28	178.88	178.23
Stone, clay, and glass products .....	5.66	6.00	6.02	6.12	234.32	241.20	248.02	255.20
Primary metal industries .....	7.22	7.99	7.97	8.06	298.91	320.19	329.16	334.49
Fabricated metal products .....	5.71	6.04	6.10	6.15	231.26	243.41	250.13	252.15
Machinery, except electrical .....	6.07	6.54	6.55	6.54	249.48	272.06	275.76	273.37
Electrical equipment .....	5.20	5.65	5.65	5.66	207.48	222.61	226.57	225.27
Transportation equipment .....	7.01	7.48	7.56	7.60	294.42	299.20	312.99	317.68
Instruments and related products .....	5.11	5.49	5.49	5.48	204.40	219.60	224.54	222.49
Miscellaneous manufacturing .....	4.27	4.57	4.57	4.58	166.10	174.12	179.14	179.08
<b>NONDURABLE GOODS</b> .....	4.99	5.35	5.37	5.39	195.11	207.05	211.58	211.83
Food and kindred products .....	5.26	5.65	5.66	5.70	208.30	220.35	223.00	222.87
Tobacco manufacturers .....	5.59	5.99	6.23	6.32	211.30	227.02	239.86	245.85
Textile mill products .....	3.87	4.16	4.16	4.17	155.19	166.40	168.06	168.05
Apparel and other textile products .....	3.57	3.85	3.87	3.91	124.95	134.37	138.87	139.98
Paper and allied products .....	5.79	6.27	6.27	6.27	247.81	262.09	268.36	267.73
Printing and publishing .....	5.98	6.34	6.38	6.39	223.65	235.85	241.90	240.90
Chemicals and allied products .....	6.27	6.78	6.79	6.81	262.71	281.37	285.18	283.98
Petroleum and coal products .....	7.70	8.40	8.34	8.48	328.79	358.68	361.96	379.90
Rubber and plastics products, nec .....	5.06	5.31	5.29	5.33	207.46	200.21	214.25	216.40
Leather and leather products .....	3.61	3.87	3.87	3.37	132.45	140.48	143.96	144.74
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	6.80	7.32	7.34	7.41	271.32	293.53	295.07	297.88
<b>WHOLESALE AND RETAIL TRADE</b> .....	4.23	4.55	4.56	4.60	140.01	147.42	149.11	150.68
<b>WHOLESALE TRADE</b> .....	5.48	5.84	5.86	5.93	212.08	224.84	227.37	230.69
<b>RETAIL TRADE</b> .....	3.78	4.08	4.09	4.12	119.07	124.85	126.38	128.13
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4.54	4.84	4.84	4.92	166.16	177.14	177.14	181.55
<b>SERVICES</b> .....	4.64	5.02	5.01	5.06	154.51	166.16	166.33	168.50

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

p=preliminary.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-4. Hourly earnings index for production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry division, seasonally adjusted

(1967=100)

Industry	APR. 1977	NOV. 1977	DEC. 1977	JAN. 1978	FEB. 1978	MAR. P 1978	APR. P 1978	Percent change from	
								APR. 1977- APR. 1978	MAR. 1978- APR. 1978
<b>TOTAL PRIVATE NONFARM:</b>									
Current dollars .....	195.6	204.1	205.2	208.1	208.8	210.2	211.9	8.3	0.8
Constant (1967) dollars .....	108.7	110.2	110.3	111.0	110.6	110.5	N.A.	(2)	(3)
<b>MINING</b> .....	211.5	221.7	219.1	221.4	223.2	225.2	231.0	9.2	2.6
<b>CONTRACT CONSTRUCTION</b> .....	191.2	198.5	198.9	201.1	201.6	203.2	203.5	5.3	.2
<b>MANUFACTURING</b> .....	195.6	205.4	206.3	208.3	209.7	210.9	212.0	8.4	.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	209.2	219.1	221.5	223.3	223.9	226.3	228.0	9.0	.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	190.0	197.1	198.8	202.4	203.0	204.6	206.4	8.6	.9
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	177.3	185.3	185.8	188.5	187.5	188.9	192.0	8.3	1.6
<b>SERVICES</b> .....	199.9	208.8	209.8	214.4	214.3	215.5	217.9	9.0	1.1

<sup>1</sup> SEE FOOTNOTE 1, TABLE B-2.<sup>2</sup> PERCENT CHANGE WAS 1.6 FROM MARCH 1977 TO MARCH 1978, THE LATEST MONTH AVAILABLE.<sup>3</sup> PERCENT CHANGE WAS -.1 FROM FEBRUARY 1978 TO MARCH 1978, THE LATEST MONTH AVAILABLE.

N.A. = not available.

p=preliminary.

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

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

(1967=100)

Industry division and group	1977										1978			
	APR.	MAY	JUN <sup>c</sup>	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.		JAN.	FEB.	MAR. P	APR. P
<b>TOTAL PRIVATE</b> .....	115.4	115.9	115.8	115.8	115.6	115.9	116.8	117.2	117.5	116.1	117.0	118.5	120.3	
<b>GOODS-PRODUCING</b> .....	100.8	101.4	101.8	101.4	100.6	100.9	101.7	102.3	102.1	99.5	101.4	104.0	106.3	
<b>MINING</b> .....	141.6	140.6	142.3	139.9	134.7	142.5	143.9	144.8	113.3	110.7	112.6	118.3	148.7	
<b>CONTRACT CONSTRUCTION</b> .....	111.7	112.4	111.8	112.8	110.8	110.4	112.3	114.0	113.5	104.7	108.9	115.7	123.5	
<b>MANUFACTURING</b> .....	97.5	98.1	98.7	98.0	97.6	97.8	98.4	98.8	99.7	98.2	99.7	101.5	101.8	
<b>DURABLE GOODS</b> .....	96.9	97.8	98.7	98.3	98.1	98.4	99.3	99.5	100.8	99.3	100.9	102.6	102.9	
Ordnance and accessories .....	40.1	40.7	41.0	40.5	39.3	39.1	38.2	38.2	40.2	39.8	38.1	35.5	38.7	
Lumber and wood products .....	103.5	104.1	104.0	105.3	104.0	106.0	106.8	105.5	105.8	107.6	106.8	105.4	108.9	
Furniture and fixtures .....	106.1	107.1	107.9	108.4	107.2	108.3	110.6	111.7	113.8	109.3	116.5	117.6	116.9	
Stone, clay, and glass products .....	103.9	104.2	105.4	104.9	104.1	103.3	103.2	106.7	107.0	104.3	105.4	107.5	110.9	
Primary metal industries .....	99.7	90.7	90.9	89.0	88.2	89.0	89.7	89.5	89.7	89.5	91.2	90.8	91.0	
Fabricated metal products .....	101.3	102.8	104.2	103.7	103.3	103.1	105.0	105.7	107.7	105.3	107.6	108.9	109.5	
Machinery, except electrical .....	98.8	100.2	101.6	103.2	103.5	103.6	105.5	104.9	106.0	104.0	107.0	108.8	109.7	
Electrical equipment and supplies .....	96.3	97.2	97.9	98.3	98.3	97.8	98.8	99.4	100.4	98.9	100.3	103.0	102.5	
Transportation equipment .....	94.7	95.3	96.5	94.8	95.4	96.5	96.2	94.5	96.7	96.5	96.3	98.5	98.3	
Instruments and related products .....	111.7	112.3	113.2	111.7	111.3	112.4	113.2	113.4	114.4	113.4	114.8	117.5	117.2	
Miscellaneous manufacturing industry .....	95.0	94.7	94.6	91.4	91.3	90.3	91.1	91.5	93.9	92.3	93.9	96.1	96.7	
<b>NONDURABLE GOODS</b> .....	98.5	98.5	98.7	97.7	96.9	96.9	97.1	97.8	98.1	96.5	97.8	99.7	100.1	
Food and kindred products .....	98.5	97.3	97.3	95.9	94.5	94.1	92.8	94.2	94.6	94.4	96.0	97.8	97.0	
Tobacco manufacturers .....	80.5	78.2	80.2	77.2	71.7	73.2	72.4	72.2	74.0	72.4	74.4	76.7	74.5	
Textile mill products .....	99.6	100.2	99.7	99.9	98.9	99.4	100.2	101.4	100.8	99.3	100.4	101.4	101.3	
Apparel and other textile products .....	87.7	88.6	89.8	87.6	87.8	87.2	87.8	88.6	89.0	84.2	87.2	85.0	90.4	
Paper and allied products .....	100.8	100.4	101.1	100.3	99.4	99.7	100.2	99.6	100.8	99.3	100.2	102.8	103.5	
Printing and publishing .....	95.2	95.1	95.3	95.6	95.1	95.7	95.7	95.9	95.9	94.6	95.3	97.0	97.4	
Chemicals and allied products .....	102.9	103.3	103.8	103.7	103.4	103.0	102.6	103.0	103.5	103.8	104.5	105.5	104.4	
Petroleum and coal products .....	119.6	119.3	121.6	119.9	120.4	120.8	122.8	124.8	125.7	126.6	127.8	129.0	130.1	
Rubber and plastics products, nec .....	134.8	135.3	133.9	132.5	129.7	129.3	130.5	132.5	133.8	131.3	131.9	137.1	139.9	
Leather and leather products .....	73.4	73.3	72.9	69.9	71.8	72.7	73.8	73.7	71.9	70.7	70.7	72.3	74.1	
<b>SERVICE-PRODUCING</b> .....	125.5	125.9	125.6	125.8	126.1	126.4	127.2	127.5	128.2	127.6	127.8	129.2	130.0	
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	103.8	104.6	104.1	103.1	103.5	103.9	102.9	105.1	105.6	103.5	105.4	106.3	106.4	
<b>WHOLESALE AND RETAIL TRADE</b> .....	121.0	121.4	121.2	121.6	121.6	121.8	122.7	122.4	123.2	122.3	122.3	123.7	124.4	
<b>WHOLESALE TRADE</b> .....	117.3	117.3	117.3	117.5	117.5	117.8	118.7	118.8	118.9	118.5	120.3	121.5	122.2	
<b>RETAIL TRADE</b> .....	122.4	123.0	122.7	123.1	123.1	123.3	124.2	123.7	124.8	123.5	123.1	124.5	125.2	
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	131.0	131.6	131.7	132.3	132.7	133.2	134.2	134.9	134.9	135.4	135.9	137.1	138.8	
<b>SERVICES</b> .....	140.1	140.3	139.6	140.1	140.6	140.9	142.7	142.6	143.4	143.8	143.4	144.9	146.0	

<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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
<b>1975</b>				
January .....	15.1	12.8	12.8	16.6
February .....	15.7	12.8	11.9	17.4
March .....	25.6	18.6	17.7	17.7
April .....	39.0	32.3	28.2	20.6
May .....	51.2	43.9	41.6	27.0
June .....	40.7	52.3	56.7	40.7
July .....	58.1	57.0	67.2	50.6
August .....	73.0	76.2	70.1	63.1
September .....	80.8	81.7	75.3	72.4
October .....	66.9	74.1	82.3	77.3
November .....	62.2	72.4	83.4	80.2
December .....	74.1	74.7	81.7	82.6
<b>1976</b>				
January .....	78.5	82.0	83.1	86.0
February .....	77.9	84.3	81.7	84.6
March .....	74.1	85.2	79.9	81.1
April .....	79.4	77.9	79.4	74.4
May .....	66.6	71.5	70.9	79.7
June .....	54.1	61.0	68.6	79.1
July .....	57.3	52.9	57.0	74.1
August .....	47.1	62.5	57.3	74.7
September .....	69.8	56.7	63.7	78.5
October .....	42.4	62.8	69.8	76.5
November .....	69.5	58.7	73.5	75.0
December .....	73.0	79.9	78.5	74.7
<b>1977</b>				
January .....	75.0	79.7	89.0	75.9
February .....	73.5	86.0	86.6	75.6
March .....	82.3	85.8	83.1	78.2
April .....	77.6	84.0	80.5	78.2
May .....	68.6	73.3	71.5	79.1
June .....	63.7	70.1	68.0	77.6
July .....	65.7	56.1	68.3	78.8
August .....	50.0	62.5	68.3	78.8
September .....	61.3	57.0	72.1	77.3p
October .....	59.9	73.3	75.0	77.0p
November .....	75.9	76.2	80.5	
December .....	73.8	77.9	85.8p	
<b>1978</b>				
January .....	66.9	80.5	83.4p	
February .....	70.1	82.8p		
March .....	75.3p	78.8p		
April .....	68.6p			
May .....				
June .....				
July .....				
August .....				
September .....				
October .....				
November .....				
December .....				

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

p = preliminary.