



increased by 3.9 million, after adjusting for changes in the survey introduced in January. (See table A-1.)

The employment-population ratio sustained its recent growth path in June, reaching an all-time high of 58.9 percent. The ratio was 1.5 points higher than a year earlier (after adjustment).

The civilian labor force increased by 310,000 to 100.6 million in June. The labor force has risen by 2.8 million since last June (adjusted), with adult women accounting for nearly 60 percent of this growth.

The civilian labor force participation rate—the proportion of the population that is either working or looking for work—was up slightly in June to an all-time high of 63.3 percent. Participation rates among adults were 79.9 percent for men and 49.6 percent for women, while teenage participation was 58.4 percent.

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

Selected categories	Quarterly averages					Monthly data		
	1977			1978		1978		
	II	III	IV	I	II	April	May	June
<b>HOUSEHOLD DATA</b>								
Thousands of persons								
Civilian labor force .....	97,153	97,559	98,622	99,205	100,206	99,784	100,261	100,573
Total employment .....	90,264	90,823	92,069	93,050	94,244	93,801	94,112	94,819
Unemployment .....	6,889	6,736	6,554	6,155	5,962	5,983	6,149	5,754
Not in labor force .....	58,941	59,205	58,777	58,799	58,399	58,602	58,340	58,257
Discouraged workers .....	1,062	1,067	969	903	842	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers .....	7.1	6.9	6.6	6.2	5.9	6.0	6.1	5.7
Adult men .....	5.2	5.0	4.8	4.6	4.1	4.2	4.2	3.9
Adult women .....	7.0	7.0	6.8	5.9	6.1	5.8	6.3	6.1
Teenagers .....	18.1	17.6	16.7	16.9	15.9	16.9	16.5	14.2
White .....	6.3	6.1	5.8	5.4	5.1	5.2	5.2	4.9
Black and other .....	12.8	13.6	13.3	12.3	12.0	11.8	12.3	11.9
Full-time workers .....	6.6	6.5	6.2	5.7	5.4	5.4	5.6	5.2
Thousands of jobs								
Nonfarm payroll employment ...	81,871	82,548	83,192	84,107	85,469p	85,223	85,454p	85,729p
Goods-producing industries ...	24,265	24,359	24,497	24,757	25,438p	25,351	25,435p	25,527p
Service-producing industries ...	57,606	58,189	58,695	59,350	60,031p	59,872	60,019p	60,202p
Hours of work								
Average weekly hours:								
Total private nonfarm .....	36.2	36.0	36.2	35.9	36.1p	36.3	36.0p	36.0p
Manufacturing .....	40.4	40.3	40.5	40.0	40.5p	40.6	40.3p	40.6p
Manufacturing overtime .....	3.4	3.3	3.5	3.7	3.5p	3.6	3.5p	3.5p

p=preliminary.

N.A.=not available.

### Discouraged Workers

Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test--that is, they are not engaged in current job search--they are classified as not in the labor force rather than as unemployed. These data are published on a quarterly basis.

Consistent with a decline in unemployment in the second quarter, the number of discouraged workers also fell. The second quarter average was 840,000, down from 900,000 in the first quarter. The discouraged total had been nearly 1.1 million as recently as mid-1977. The entire decline over the past quarter was among those citing job market factors as their reason for not seeking work. (See table A-8.)

### Industry Payroll Employment

Nonagricultural payroll employment rose by 275,000 in June to 85.7 million. With the exception of manufacturing, all of the major industry groups posted gains, as employment increased in nearly three-fifths of the 172 industries that comprise the BLS diffusion index of private non-agricultural payroll employment. Nonfarm payroll jobs have expanded by 3.6 million over the past year. (See tables B-1 and B-6.)

The largest over-the-month employment gain took place in contract construction--85,000. Over the year, nearly one-half million jobs have been added in this industry, bringing employment to a new high of 4.4 million in June. Virtually all of this increase has occurred since January of this year.

Sizeable over-the-month gains also took place in State and local government (60,000), services (55,000), retail trade (45,000), and finance, insurance, and real estate (20,000). The lack of growth in manufacturing employment was in marked contrast to the sharp job gains which occurred in late 1977 and early 1978. Manufacturing employment has risen by 645,000 over the past year to a level of 20.3 million in June; about 85 percent of this gain was registered in the durable goods industries.

### Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 36.0 hours in June, unchanged from the May level and slightly below a year earlier.

Consistent with the strong employment gain, contract construction hours were up 0.6 hour to 37.2 in June, almost returning to the April high level. The manufacturing workweek edged up 0.1 hour to 40.4 hours, while factory overtime, at 3.5 hours, was unchanged from the May level. All other major industry groups posted modest declines in hours of work. (See table B-2.)

The index of aggregate weekly hours of production or nonsupervisory workers on private non-agricultural payrolls was unchanged in June at 120.0. The index was 3.6 percent above the year ago level. (See table B-5.)

### Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls advanced 0.5 percent in June, seasonally adjusted. Average weekly earnings rose by the same margin over the month. Compared with their year-ago levels, average hourly and weekly earnings have increased by 8.6 and 8.0 percent, respectively.

Before adjustment for seasonality, average hourly earnings were \$5.66 in June, up 3 cents from May and 44 cents from a year earlier. Average weekly earnings were \$205.46, \$3.91 above their May level and \$15.45 higher than last June. (See table B-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 213.5 (1967=100) in June, 0.5 percent higher than in May. The index was 8.2 percent above June a year ago. During the 12-month period ended in May, the Hourly Earnings Index in dollars of constant purchasing power rose 1.1 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.

NOTE: Household survey data for periods prior to January 1978 shown in tables A-1 through A-8 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

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	June 1977	May 1978	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>TOTAL</b>									
Total noninstitutional population <sup>1</sup>	158,456	160,713	160,928	158,456	160,128	160,313	160,504	160,713	160,928
Armed Forces <sup>1</sup>	2,129	2,113	2,098	2,129	2,124	2,122	2,118	2,113	2,098
Civilian noninstitutional population <sup>1</sup>	156,327	158,601	158,830	156,327	158,004	158,190	158,386	158,601	158,830
Civilian labor force	99,135	99,309	102,178	97,552	99,093	99,414	99,784	100,261	100,573
Participation rate	63.4	62.6	64.3	62.4	62.7	62.8	63.0	63.2	63.3
Employed	91,682	93,851	95,852	90,648	93,003	93,266	93,801	94,112	94,819
Employment-population ratio <sup>2</sup>	57.9	58.4	59.6	57.2	58.1	58.2	58.4	58.6	58.9
Agriculture	3,820	3,369	3,983	3,330	3,242	3,310	3,275	3,235	3,473
Nonagricultural industries	87,862	90,483	91,869	87,318	89,761	89,956	90,526	90,877	91,346
Unemployed	7,453	5,457	6,326	6,904	6,090	6,148	5,983	6,149	5,754
Unemployment rate	7.5	5.5	6.2	7.1	6.1	6.2	6.0	6.1	5.7
Not in labor force	57,192	59,292	56,651	58,775	58,911	58,776	58,602	58,340	58,257
Men, 20 years and over									
Total noninstitutional population <sup>1</sup>	67,431	68,519	68,623	67,431	68,240	68,327	68,419	68,519	68,623
Civilian noninstitutional population <sup>1</sup>	65,743	66,845	66,947	65,743	66,556	66,645	66,740	66,845	66,947
Civilian labor force	52,885	53,225	53,931	52,511	53,142	53,242	53,263	53,414	53,522
Participation rate	80.4	79.6	80.6	79.9	79.8	79.9	79.8	79.9	79.9
Employed	50,308	51,149	51,907	49,500	50,759	50,833	51,038	51,182	51,433
Employment-population ratio <sup>2</sup>	74.6	74.6	75.6	73.9	74.4	74.4	74.6	74.7	75.0
Agriculture	2,536	2,393	2,617	2,362	2,283	2,289	2,295	2,328	2,437
Nonagricultural industries	47,772	48,756	49,290	47,488	48,476	48,544	48,743	48,854	48,996
Unemployed	2,577	2,076	2,024	2,661	2,383	2,409	2,225	2,232	2,089
Unemployment rate	4.9	3.9	3.8	5.1	4.5	4.5	4.2	4.2	3.9
Not in labor force	12,858	13,620	13,016	13,232	13,414	13,403	13,477	13,431	13,425
Women, 20 years and over									
Total noninstitutional population <sup>1</sup>	74,198	75,412	75,527	74,198	75,095	75,196	75,300	75,412	75,527
Civilian noninstitutional population <sup>1</sup>	74,101	75,310	75,422	74,101	74,996	75,093	75,198	75,310	75,422
Civilian labor force	35,263	37,025	37,057	35,229	36,654	36,849	37,117	37,264	37,439
Participation rate	47.6	49.2	49.1	48.1	48.9	49.1	49.4	49.5	49.6
Employed	32,755	34,960	34,793	33,079	34,569	34,722	34,948	34,931	35,137
Employment-population ratio <sup>2</sup>	44.1	46.4	46.3	44.6	46.0	46.2	46.4	46.3	46.5
Agriculture	690	590	761	564	604	628	623	527	623
Nonagricultural industries	32,064	34,370	34,031	32,515	33,965	34,094	34,325	34,404	34,514
Unemployed	2,508	2,065	2,265	2,550	2,085	2,127	2,169	2,333	2,302
Unemployment rate	7.1	5.6	6.1	7.2	5.7	5.8	5.8	6.3	6.1
Not in labor force	38,838	38,285	38,364	38,472	38,342	38,244	38,081	38,046	37,983
Both sexes, 16-19 years									
Total noninstitutional population <sup>1</sup>	16,827	16,782	16,779	16,827	16,794	16,790	16,785	16,782	16,779
Civilian noninstitutional population <sup>1</sup>	16,483	16,446	16,461	16,483	16,453	16,452	16,449	16,446	16,461
Civilian labor force	10,987	9,059	11,190	9,412	9,297	9,323	9,404	9,583	9,612
Participation rate	66.7	55.1	68.0	57.1	56.5	56.7	57.2	58.3	58.4
Employed	8,620	7,742	9,153	7,719	7,675	7,711	7,815	7,999	8,249
Employment-population ratio <sup>2</sup>	51.2	46.1	54.6	45.9	45.7	45.9	46.6	47.7	49.2
Agriculture	594	385	605	404	355	393	357	380	413
Nonagricultural industries	8,025	7,356	8,548	7,315	7,320	7,318	7,458	7,619	7,836
Unemployed	2,367	1,317	2,037	1,693	1,622	1,612	1,589	1,584	1,363
Unemployment rate	21.5	14.5	18.2	18.0	17.4	17.3	16.9	16.5	14.2
Not in labor force	5,495	7,387	5,271	7,071	7,156	7,129	7,045	6,863	6,849
WHITE									
Total noninstitutional population <sup>1</sup>	139,270	141,026	141,194	139,270	140,571	140,714	140,863	141,026	141,194
Civilian noninstitutional population <sup>1</sup>	137,522	139,317	139,503	137,522	138,834	138,997	139,149	139,317	139,503
Civilian labor force	87,530	87,567	89,917	86,258	87,360	87,532	87,945	88,209	88,623
Participation rate	63.6	62.9	64.5	62.7	62.9	63.0	63.2	63.3	63.5
Employed	81,749	83,446	85,198	80,816	82,697	82,880	83,386	83,590	84,270
Employment-population ratio <sup>2</sup>	58.7	59.2	60.3	58.0	58.8	58.9	59.2	59.3	59.7
Unemployed	5,781	4,120	4,719	5,442	4,663	4,652	4,559	4,619	4,353
Unemployment rate	6.6	4.7	5.2	6.3	5.3	5.3	5.2	5.2	4.9
Not in labor force	49,992	51,750	49,586	51,264	51,474	51,465	51,204	51,108	50,880
BLACK AND OTHER									
Total noninstitutional population <sup>1</sup>	19,186	19,687	19,734	19,186	19,558	19,599	19,641	19,687	19,734
Civilian noninstitutional population <sup>1</sup>	18,805	19,284	19,327	18,805	19,170	19,194	19,237	19,284	19,327
Civilian labor force	11,605	11,742	12,261	11,325	11,785	11,871	11,816	11,934	11,980
Participation rate	61.7	60.9	63.4	60.2	61.5	61.8	61.4	61.9	62.0
Employed	9,933	10,405	10,655	9,834	10,391	10,402	10,418	10,467	10,553
Employment-population ratio <sup>2</sup>	51.8	52.9	54.0	51.3	53.1	53.1	53.0	53.2	53.5
Unemployed	1,671	1,337	1,606	1,491	1,394	1,469	1,398	1,467	1,427
Unemployment rate	14.4	11.4	13.1	13.2	11.8	12.4	11.8	12.3	11.9
Not in labor force	7,200	7,541	7,066	7,480	7,385	7,323	7,421	7,350	7,347

<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).

## HOUSEHOLD DATA

## HOUSEHOLD DATA

Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	June 1977	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>CHARACTERISTICS</b>								
Total, 16 years and over	6,904	5,754	7.1	6.1	6.2	6.0	6.1	5.7
Men, 20 years and over	2,661	2,089	5.1	4.5	4.5	4.2	4.2	3.9
Women, 20 years and over	2,550	2,302	7.2	5.7	5.8	5.8	6.3	6.1
Both sexes, 16-19 years	1,693	1,363	18.0	17.4	17.3	16.9	16.5	14.2
White, total	5,442	4,353	6.3	5.3	5.3	5.2	5.2	4.9
Men, 20 years and over	2,133	1,643	4.5 <sup>1</sup>	3.9	4.0	3.6	3.6	3.4
Women, 20 years and over	1,991	1,720	6.5	5.0	4.9	5.1	5.4	5.3
Both sexes, 16-19 years	1,318	990	15.7	14.8	14.6	14.6	13.8	11.6
Black and other, total	1,491	1,427	13.2	11.8	12.4	11.8	12.3	11.9
Men, 20 years and over	532	448	9.6	8.6	8.5	8.8	8.8	7.8
Women, 20 years and over	563	585	11.8	10.1	11.4	10.5	10.9	11.3
Both sexes, 16-19 years	396	394	40.0	38.0	39.0	35.3	38.4	37.1
Married men, spouse present	1,361	1,073	3.4	2.9	3.0	2.8	2.9	2.7
Married women, spouse present	1,515	1,297	6.8	5.2	5.1	5.0	5.9	5.6
Women who head families	413	421	9.4	7.6	8.6	10.1	9.3	8.8
Full-time workers	5,443	4,511	6.5	5.7	5.6	5.4	5.6	5.2
Part-time workers	1,489	1,267	10.5	8.6	9.6	9.6	9.2	8.8
Unemployed 15 weeks and over <sup>1</sup>	1,788	1,231	1.8	1.6	1.5	1.4	1.4	1.2
Labor force time lost <sup>2</sup>	--	--	7.6	6.6	6.6	6.3	6.6	6.4
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers	1,981	1,711	4.2	3.5	3.4	3.5	3.6	3.5
Professional and technical	427	356	3.0	2.5	2.6	2.5	2.4	2.4
Managers and administrators, except farm	264	190	2.7	1.9	2.3	2.0	2.0	1.8
Sales workers	316	273	5.3	4.3	4.3	4.3	4.4	4.4
Clerical workers	974	892	5.8	5.0	4.5	5.1	5.3	5.0
Blue-collar workers	2,581	2,185	7.8	7.1	7.1	6.5	6.6	6.5
Craft and kindred workers	695	550	5.5	5.0	5.1	4.3	4.3	4.2
Operatives, except transport	1,073	949	9.4	8.1 <sup>4</sup>	8.0	7.6	8.4	7.9
Transport equipment operatives	218	170	5.9	5.0	5.2	5.2	5.9	4.6
Nonfarm laborers	595	516	11.6	11.5	11.9	10.0	8.7	9.9
Service workers	1,143	1,011	8.3	7.1	7.7	7.7	7.6	7.2
Farm workers	142	91	4.8	4.7	4.7	3.1	3.6	3.0
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup>	4,897	4,110	6.9	6.1	6.0	5.9	5.9	5.6
Construction	574	460	12.3	11.5	11.3	9.5	9.2	9.3
Manufacturing	1,377	1,244	6.4	5.7	5.4	5.3	5.6	5.6
Durable goods	725	640	5.7	5.0	4.8	4.4	5.0	4.8
Nondurable goods	652	604	7.4	6.5	6.2	6.5	6.4	6.7
Transportation and public utilities	215	200	4.3	3.2	3.7	3.7	3.8	3.7
Wholesale and retail trade	1,450	1,170	8.0	7.1	7.3	7.2	6.8	6.3
Finance and service industries	1,242	1,010	6.0	5.1	5.1	5.2	5.3	4.7
Government workers	655	641	4.2	3.5	3.7	3.8	4.1	4.0
Agricultural wage and salary workers	169	128	10.9	10.1	10.0	7.7	7.7	8.0
<b>VETERAN STATUS</b>								
<b>Male Vietnam-era veterans:<sup>5</sup></b>								
20 to 34 years	492	268	7.6	5.2	5.0	4.5	4.0	4.3
20 to 24 years	166	64	17.7	12.5	13.2	10.7	6.9	9.4
25 to 29 years	207	119	7.1	5.4	4.6	4.5	5.5	5.3
30 to 34 years	119	85	4.5	3.4	3.5	3.1	2.3	2.6
<b>Male nonveterans:</b>								
20 to 34 years	1,125	925	7.1	6.7	6.9	6.5	5.9	5.5
20 to 24 years	644	565	9.3	9.7	9.5	8.8	7.7	7.9
25 to 29 years	318	218	6.4	5.0	5.8	6.1	4.8	3.8
30 to 34 years	163	142	4.1	3.8	3.5	2.9	3.9	3.7

<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.



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Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	June 1977	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>CHARACTERISTICS</b>								
Total employed, 16 years and over .....	91,682	95,852	90,648	93,003	93,266	93,801	94,112	94,819
Men .....	55,095	56,978	54,006	54,897	55,013	55,208	55,446	55,869
Women .....	36,587	38,875	36,642	38,106	38,253	38,593	38,666	38,950
Married men, spouse present .....	38,659	38,788	38,565	38,666	38,465	38,628	38,626	38,711
Married women, spouse present .....	20,394	21,262	20,825	21,738	21,674	21,847	21,694	21,718
<b>OCCUPATION</b>								
White-collar workers .....	44,422	46,761	44,840	46,555	46,835	46,789	46,895	47,209
Professional and technical .....	13,161	13,848	13,648	14,016	14,060	14,158	14,399	14,365
Managers and administrators, except farm .....	9,560	10,087	9,577	10,134	10,169	10,217	9,933	10,107
Sales workers .....	5,752	6,002	5,682	5,811	5,985	5,861	5,911	5,931
Clerical workers .....	15,949	16,823	15,933	16,594	16,621	16,558	16,652	16,806
Blue-collar workers .....	31,324	32,736	30,301	31,198	31,039	31,655	31,547	31,683
Craft and kindred workers .....	12,105	12,691	11,837	12,220	12,169	12,302	12,218	12,467
Operatives, except transport .....	10,482	11,127	10,364	10,738	10,766	10,974	10,846	11,006
Transport equipment operatives .....	3,558	3,575	3,495	3,643	3,541	3,560	3,534	3,512
Nonfarm laborers .....	5,179	5,342	4,555	4,597	4,563	4,819	4,908	4,698
Service workers .....	12,688	13,019	12,660	12,703	12,572	12,830	12,883	12,993
Farm workers .....	3,248	3,337	2,815	2,769	2,788	2,687	2,698	2,895
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
<b>Agriculture:</b>								
Wage and salary workers .....	1,607	1,723	1,382	1,345	1,389	1,408	1,434	1,482
Self-employed workers .....	1,695	1,792	1,578	1,587	1,527	1,539	1,573	1,669
Unpaid family workers .....	519	468	373	314	389	283	255	336
<b>Nonagricultural industries:</b>								
Wage and salary workers .....	81,214	85,077	80,704	83,078	83,124	83,648	84,049	84,513
Government .....	14,602	14,813	15,003	15,237	15,154	15,305	15,203	15,224
Private industries .....	66,613	70,264	65,701	67,841	67,970	68,343	68,846	69,289
Private households .....	1,430	1,423	1,375	1,383	1,293	1,388	1,393	1,368
Other industries .....	65,183	68,841	64,326	66,458	66,677	66,955	67,453	67,921
Self-employed workers .....	6,111	6,310	6,005	6,268	6,427	6,467	6,288	6,198
Unpaid family workers .....	536	482	520	488	500	506	520	468
<b>PERSONS AT WORK <sup>1</sup></b>								
Nonagricultural industries .....	81,067	85,322	81,714	84,054	84,285	86,043	85,518	86,051
Full-time schedules .....	67,462	71,144	67,172	69,215	69,417	70,550	70,157	70,861
Part time for economic reasons .....	3,938	4,006	3,390	3,193	3,164	3,327	3,243	3,458
Usually work full time .....	1,416	1,529	1,327	1,128	1,226	1,224	1,211	1,433
Usually work part time .....	2,522	2,477	2,063	2,065	1,938	2,103	2,032	2,025
Part time for noneconomic reasons .....	9,667	10,172	11,152	11,646	11,704	12,166	12,128	11,732

<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					
	June 1977	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>DURATION</b>								
Less than 5 weeks .....	3,917	3,474	3,076	2,586	2,820	2,790	2,932	2,727
5 to 14 weeks .....	1,699	1,588	2,050	1,820	1,877	1,784	1,803	1,916
15 weeks and over .....	1,836	1,264	1,788	1,568	1,463	1,384	1,358	1,231
15 to 26 weeks .....	809	644	826	897	766	716	680	651
27 weeks and over .....	1,028	620	962	671	697	668	678	580
Average (mean) duration, in weeks .....	12.9	10.8	14.3	12.5	12.3	12.3	12.1	12.0
Median duration, in weeks .....	4.8	4.6	6.1	7.0	6.2	5.8	5.2	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 .....	52.6	54.9	44.5	43.3	45.8	46.8	48.1	46.4
5 to 14 weeks .....	22.8	25.1	29.6	30.5	30.5	29.9	29.6	32.6
15 weeks and over .....	24.6	20.0	25.9	26.2	23.8	23.2	22.3	21.0
15 to 26 weeks .....	10.9	10.2	11.9	15.0	12.4	12.0	11.2	11.1
27 weeks and over .....	13.8	2.8	15.9	12.2	11.1	11.2	11.1	9.9

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Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	June 1977	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>NUMBER OF UNEMPLOYED</b>								
Lost last job .....	2,687	2,115	2,972	2,540	2,493	2,475	2,577	2,340
On layoff .....	677	499	822	709	660	593	683	606
Other job losers .....	2,011	1,615	2,150	1,831	1,833	1,882	1,894	1,734
Left last job .....	894	809	938	898	862	872	819	849
Reentered labor force .....	2,339	2,147	1,917	1,796	1,911	1,734	1,772	1,760
Seeking first job .....	1,532	1,255	1,087	868	923	925	901	810
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	36.1	33.4	43.0	41.6	40.3	41.2	42.5	40.6
On layoff .....	9.1	7.9	11.9	11.6	10.7	9.9	11.3	10.5
Other job losers .....	27.0	25.5	31.1	30.0	29.6	31.3	31.2	30.1
Job leavers .....	12.0	12.8	13.6	14.7	13.9	14.5	13.5	14.7
Reentrants .....	31.4	33.9	27.7	29.4	30.9	28.9	29.2	30.6
New entrants .....	20.6	19.8	15.7	14.2	14.9	15.4	14.8	14.1
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	2.7	2.1	3.0	2.6	2.5	2.5	2.6	2.3
Job leavers .....	.9	.8	1.0	.9	.9	.9	.8	.8
Reentrants .....	2.4	2.1	2.0	1.8	1.9	1.7	1.8	1.8
New entrants .....	1.5	1.2	1.1	.9	.9	.9	.9	.8

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

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	June 1977	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>Total, 16 years and over</b> .....	6,904	5,754	7.1	6.1	6.2	6.0	6.1	5.7
16 to 19 years .....	1,693	1,363	18.0	17.4	17.3	16.9	16.5	14.2
16 to 17 years .....	828	678	21.2	20.8	20.4	19.9	19.3	16.7
18 to 19 years .....	898	718	16.3	15.0	15.2	14.4	14.5	12.9
20 to 24 years .....	1,547	1,373	10.7	10.1	10.3	10.0	9.0	9.2
25 years and over .....	3,655	2,997	5.0	3.9	4.0	3.9	4.2	3.9
25 to 54 years .....	3,099	2,538	5.2	4.1	4.2	4.1	4.5	4.1
55 years and over .....	538	449	3.8	3.3	3.1	3.2	3.2	3.1
<b>Men, 16 years and over</b> .....	3,543	2,728	6.2	5.6	5.6	5.2	5.1	4.7
16 to 19 years .....	882	639	17.5	17.2	17.1	16.6	15.3	12.6
16 to 17 years .....	477	350	22.4	21.1	21.0	19.9	18.4	16.1
18 to 19 years .....	444	328	15.3	14.3	14.3	13.4	12.9	11.3
20 to 24 years .....	810	657	10.3	10.3	10.1	9.1	7.9	8.1
25 years and over .....	1,846	1,424	4.1	3.4	3.5	3.3	3.5	3.1
25 to 54 years .....	1,541	1,144	4.3	3.4	3.5	3.3	3.6	3.2
55 years and over .....	296	275	3.3	3.2	3.2	3.3	3.3	3.0
<b>Women, 16 years and over</b> .....	3,361	3,026	8.4	6.9	7.0	7.0	7.5	7.2
16 to 19 years .....	811	724	18.5	17.7	17.5	17.2	17.9	16.0
16 to 17 years .....	351	328	19.8	20.4	19.6	19.9	20.3	17.4
18 to 19 years .....	454	390	17.5	15.7	15.6	15.6	16.1	14.8
20 to 24 years .....	737	716	11.2	9.8	10.4	11.0	10.3	10.4
25 years and over .....	1,809	1,573	6.2	4.7	4.7	4.8	5.3	5.2
25 to 54 years .....	1,558	1,394	6.6	5.1	5.2	5.2	5.8	5.6
55 years and over .....	242	174	4.5	3.3	3.0	3.0	3.1	3.1

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**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		
	II	III	IV	I	II	Apr.	May	June
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	1.9	1.9	1.9	1.6	1.3	1.4	1.4	1.2
U-2—Job losers as a percent of the civilian labor force .....	3.1	3.2	3.0	2.6	2.5	2.5	2.6	2.3
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over .....	5.0	4.9	4.7	4.0	4.0	3.9	4.2	3.9
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force .....	6.6	6.5	6.2	5.7	5.4	5.4	5.6	5.2
U-5—Total unemployed as a percent of the civilian labor force (official measure) .....	7.1	6.9	6.6	6.2	5.9	6.0	6.1	5.7
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 .....	8.7	8.6	8.2	7.6	7.5	7.5	7.6	7.4
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 .....	9.7	9.7	9.2	8.5	8.3	N.A.	N.A.	N.A.

N.A.= not available.

**Table A-8. Persons not in the labor force by selected characteristics, quarterly averages**

[In thousands]

Characteristics	Not seasonally adjusted		Seasonally adjusted					
	II	II	1977				1978	
	1977	1978	I	II	III	IV	I	II
Total not in labor force .....	59,042	58,488	59,225	58,941	59,205	58,777	58,799	58,399
Do not want a job now .....	52,806	52,895	53,825	53,263	53,213	53,207	53,789	53,294
Want a job now .....	6,198	5,593	5,539	5,739	5,936	5,581	5,448	5,281
Discouraged workers .....	1,039	826	942	1,062	1,067	969	903	842
Job-market factors <sup>1</sup> .....	759	550	657	739	747	630	621	537
Personal factors <sup>2</sup> .....	280	275	285	323	320	339	282	305
Men .....	316	310	297	310	360	306	352	298
Women .....	723	516	645	753	707	662	550	544
White .....	716	567	676	732	735	726	640	576
Black and other .....	322	258	283	298	329	248	274	249

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

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Table A-9. Employment status of the noninstitutional population for ten large States

[Numbers in thousands]

State and employment status	Not seasonally adjusted <sup>1</sup>			Seasonally adjusted					
	June 1977	May 1978	June 1978	June 1977	Feb. 1978	Mar. 1978	Apr. 1978	May 1978	June 1978
<b>California</b>									
Civilian noninstitutional population <sup>1</sup>	15,913	16,202	16,232	15,913	16,124	16,148	16,175	16,202	16,232
Civilian labor force	10,148	10,559	10,588	10,105	10,422	10,568	10,643	10,615	10,544
Employed	9,289	9,819	9,828	9,244	9,628	9,745	9,862	9,802	9,783
Unemployed	860	740	760	861	794	823	781	813	761
Unemployment rate	8.5	7.0	7.2	8.5	7.6	7.8	7.3	7.7	7.2
<b>Florida</b>									
Civilian noninstitutional population <sup>1</sup>	6,350	6,533	6,552	6,350	6,481	6,498	6,515	6,533	6,552
Civilian labor force	3,504	3,649	3,803	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,169	3,424	3,544	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	335	225	259	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	9.6	6.2	6.8	(2)	(2)	(2)	(2)	(2)	(2)
<b>Illinois</b>									
Civilian noninstitutional population <sup>1</sup>	8,151	8,212	8,219	8,151	8,195	8,200	8,205	8,212	8,219
Civilian labor force	5,348	5,275	5,408	5,251	5,262	5,243	5,291	5,347	5,321
Employed	4,953	4,955	5,075	4,922	4,923	4,912	4,977	4,969	5,044
Unemployed	395	320	333	329	339	331	314	378	277
Unemployment rate	7.4	6.1	6.2	6.3	6.4	6.3	5.9	7.1	5.2
<b>Massachusetts</b>									
Civilian noninstitutional population <sup>1</sup>	4,292	4,331	4,335	4,292	4,319	4,323	4,327	4,331	4,335
Civilian labor force	2,821	2,806	2,940	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,603	2,654	2,736	2,556	2,641	2,657	2,672	2,662	2,690
Unemployed	218	152	203	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	7.7	5.4	6.9	(2)	(2)	(2)	(2)	(2)	(2)
<b>Michigan</b>									
Civilian noninstitutional population <sup>1</sup>	6,545	6,615	6,624	6,545	6,596	6,602	6,609	6,615	6,624
Civilian labor force	4,172	4,154	4,240	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,820	3,882	3,941	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	352	272	299	329	242	229	254	287	276
Unemployment rate	8.4	6.6	7.0	(2)	(2)	(2)	(2)	(2)	(2)
<b>New Jersey</b>									
Civilian noninstitutional population <sup>1</sup>	5,408	5,458	5,464	5,408	5,444	5,448	5,453	5,458	5,464
Civilian labor force	3,407	3,343	3,428	3,353	3,356	3,274	3,339	3,363	3,374
Employed	3,092	3,099	3,168	3,052	3,109	3,067	3,093	3,101	3,128
Unemployed	315	244	260	301	247	207	246	262	246
Unemployment rate	9.2	7.3	7.6	9.0	7.4	6.3	7.4	7.8	7.3
<b>New York</b>									
Civilian noninstitutional population <sup>1</sup>	13,297	13,328	13,334	13,297	13,318	13,321	13,324	13,328	13,334
Civilian labor force	7,890	7,764	7,918	7,754	7,826	7,784	7,842	7,815	7,784
Employed	7,201	7,183	7,339	7,073	7,192	7,182	7,239	7,165	7,211
Unemployed	689	581	580	681	634	602	603	650	573
Unemployment rate	8.7	7.5	7.3	8.8	8.1	7.7	7.7	8.3	7.4
<b>Ohio</b>									
Civilian noninstitutional population <sup>1</sup>	7,774	7,832	7,838	7,774	7,816	7,820	7,826	7,832	7,838
Civilian labor force	4,867	4,852	4,955	4,787	4,795	4,787	4,850	4,883	4,875
Employed	4,522	4,606	4,686	4,470	4,541	4,538	4,574	4,603	4,634
Unemployed	344	247	268	317	254	249	276	280	241
Unemployment rate	7.1	5.1	5.4	6.6	5.3	5.2	5.7	5.7	4.9
<b>Pennsylvania</b>									
Civilian noninstitutional population <sup>1</sup>	8,810	8,861	8,868	8,810	8,846	8,850	8,856	8,861	8,868
Civilian labor force	5,257	5,151	5,316	5,165	5,188	5,269	5,248	5,189	5,221
Employed	4,831	4,852	4,968	4,784	4,862	4,899	4,866	4,853	4,919
Unemployed	427	299	348	381	326	370	382	336	302
Unemployment rate	8.1	5.8	6.6	7.4	6.3	7.0	7.3	6.5	5.8
<b>Texas</b>									
Civilian noninstitutional population <sup>1</sup>	8,987	9,179	9,198	8,987	9,125	9,143	9,160	9,179	9,198
Civilian labor force	5,870	5,937	6,125	5,736	5,919	5,990	5,955	6,003	5,994
Employed	5,536	5,690	5,805	5,449	5,612	5,702	5,695	5,730	5,719
Unemployed	334	247	320	287	307	288	260	273	275
Unemployment rate	5.7	4.2	5.2	5.0	5.2	4.8	4.4	4.5	4.6

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

<sup>2</sup> 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 are due to seasonal influences cannot be separated with sufficient precision from those which stem 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					
	JUNE 1977	APR. 1978	MAY 1978 <sup>p</sup>	JUNE 1978 <sup>p</sup>	JUNE 1977	FEB. 1978	MAR. 1978	APR. 1978	MAY 1978 <sup>p</sup>	JUNE 1978 <sup>p</sup>
<b>TOTAL</b> .....	82,930	84,918	85,663	86,547	82,157	84,046	84,555	85,223	85,454	85,729
<b>GOODS-PRODUCING</b> .....	24,679	25,001	25,341	25,876	24,355	24,733	24,945	25,351	25,435	25,527
<b>MINING</b> .....	870	869	902	928	856	711	728	898	903	912
<b>CONTRACT CONSTRUCTION</b> .....	4,047	4,072	4,275	4,541	3,888	3,947	4,053	4,237	4,275	4,362
<b>MANUFACTURING</b> .....	19,762	20,040	20,164	20,407	19,611	20,075	20,164	20,216	20,257	20,253
<i>Production workers</i> .....	14,258	14,432	14,539	14,713	14,132	14,488	14,556	14,588	14,622	14,577
<b>DURABLE GOODS</b> .....	11,598	11,931	12,020	12,151	11,484	11,909	11,965	11,992	12,028	12,034
<i>Production workers</i> .....	8,334	8,578	8,654	8,744	8,236	8,575	8,614	8,632	8,659	8,639
Ordnance and accessories .....	156.5	156.8	156.0	157.5	157	157	157	157	157	158
Lumber and wood products .....	659.9	660.0	672.3	687.5	638	664	670	669	673	665
Furniture and fixtures .....	511.1	532.8	532.5	536.0	510	537	540	538	536	535
Stone, clay, and glass products .....	672.2	679.8	691.0	705.5	659	676	680	687	688	692
Primary metal industries .....	1,233.9	1,214.0	1,225.9	1,239.4	1,218	1,217	1,215	1,216	1,223	1,223
Fabricated metal products .....	1,463.6	1,508.9	1,521.3	1,534.7	1,452	1,515	1,515	1,520	1,526	1,523
Machinery, except electrical .....	2,180.8	2,313.5	2,315.4	2,342.2	2,170	2,279	2,295	2,311	2,320	2,331
Electrical equipment .....	1,938.8	2,026.3	2,035.0	2,057.4	1,931	2,017	2,035	2,041	2,045	2,049
Transportation equipment .....	1,827.5	1,873.7	1,897.4	1,901.6	1,802	1,879	1,885	1,876	1,882	1,875
Instruments and related products .....	530.4	544.6	548.5	556.2	527	541	545	548	551	553
Miscellaneous manufacturing .....	423.4	420.8	424.3	433.4	420	427	428	429	427	430
<b>NONDURABLE GOODS</b> .....	8,164	8,109	8,144	8,256	8,127	8,166	8,199	8,224	8,229	8,219
<i>Production workers</i> .....	5,924	5,854	5,885	5,969	5,896	5,913	5,942	5,956	5,963	5,938
Food and kindred products .....	1,727.0	1,663.9	1,671.5	1,711.9	1,736	1,729	1,739	1,740	1,730	1,721
Tobacco manufacturers .....	64.8	62.0	61.7	62.3	72	69	70	68	70	70
Textile mill products .....	995.6	989.6	993.5	1,006.7	986	995	995	991	995	997
Apparel and other textile products .....	1,316.3	1,299.3	1,304.5	1,313.5	1,301	1,283	1,292	1,303	1,301	1,298
Paper and allied products .....	709.6	712.1	716.8	728.9	703	710	714	718	722	722
Printing and publishing .....	1,112.6	1,135.2	1,137.5	1,146.2	1,113	1,129	1,133	1,137	1,140	1,146
Chemicals and allied products .....	1,067.5	1,069.6	1,073.7	1,085.9	1,061	1,070	1,071	1,074	1,079	1,079
Petroleum and coal products .....	213.7	213.2	215.5	219.1	210	217	217	216	215	215
Rubber and plastics products, nec .....	684.3	699.1	702.0	711.8	680	701	705	713	712	708
Leather and leather products .....	272.1	264.9	267.6	270.0	265	263	263	264	265	263
<b>SERVICE-PRODUCING</b> .....	58,251	59,917	60,322	60,671	57,802	59,313	59,610	59,872	60,019	60,202
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,629	4,671	4,704	4,758	4,588	4,651	4,672	4,709	4,713	4,716
<b>WHOLESALE AND RETAIL TRADE</b> .....	18,342	18,725	18,934	19,083	18,264	18,744	18,849	18,891	18,961	19,002
<b>WHOLESALE TRADE</b> .....	4,409	4,514	4,539	4,586	4,387	4,510	4,540	4,555	4,566	4,563
<b>RETAIL TRADE</b> .....	13,933	14,221	14,395	14,497	13,877	14,234	14,309	14,336	14,395	14,439
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,534	4,669	4,705	4,773	4,494	4,647	4,670	4,683	4,710	4,730
<b>SERVICES</b> .....	15,458	15,962	16,063	16,228	15,260	15,791	15,875	15,962	15,967	16,020
<b>GOVERNMENT</b> .....	15,288	15,880	15,916	15,829	15,196	15,480	15,544	15,627	15,668	15,734
<b>FEDERAL</b> .....	2,765	2,739	2,756	2,788	2,735	2,736	2,736	2,744	2,753	2,758
<b>STATE AND LOCAL</b> .....	12,523	13,141	13,160	13,041	12,461	12,744	12,808	12,883	12,915	12,976

<sup>p</sup>preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	JUNE 1977	APR. 1978	MAY <sup>p</sup> 1978	JUNE <sup>p</sup> 1978	JUNE 1977	FEB. 1978	MAR. 1978	APR. 1978	MAY <sup>p</sup> 1978	JUNE <sup>p</sup> 1978
<b>TOTAL PRIVATE</b> .....	36.4	36.0	35.8	36.3	36.2	35.8	36.2	36.3	36.0	36.0
<b>MINING</b> .....	44.6	43.9	43.5	43.8	44.1	43.6	44.6	44.3	43.5	43.3
<b>CONTRACT CONSTRUCTION</b> .....	37.4	37.1	36.7	37.8	36.8	35.7	36.8	37.4	36.6	37.2
<b>MANUFACTURING</b> .....	40.8	40.4	40.3	40.6	40.5	39.9	40.6	40.6	40.3	40.4
<i>Overtime hours</i> .....	3.5	3.4	3.4	3.6	3.4	3.8	3.7	3.6	3.5	3.5
<b>DURABLE GOODS</b> .....	41.5	41.0	40.9	41.3	41.2	40.5	41.2	41.2	40.9	41.0
<i>Overtime hours</i> .....	3.7	3.7	3.6	3.8	3.6	4.0	3.9	3.9	3.7	3.7
Ordnance and accessories .....	41.0	40.3	40.5	41.0	40.8	37.9	41.1	40.3	40.6	40.8
Lumber and wood products .....	40.7	39.9	39.7	40.1	39.9	39.4	39.9	39.9	39.4	39.3
Furniture and fixtures .....	39.2	39.2	39.0	39.6	38.9	39.8	39.9	39.8	39.3	39.2
Stone, clay, and glass products .....	42.0	41.8	41.8	42.1	41.6	40.9	41.6	42.1	41.6	41.7
Primary metal industries .....	41.7	41.4	41.6	42.2	41.5	41.5	41.5	41.4	41.6	41.9
Fabricated metal products .....	41.6	41.1	41.0	41.3	41.3	40.7	41.3	41.4	41.0	41.0
Machinery, except electrical .....	41.9	41.9	41.7	42.2	42.0	41.7	42.2	42.2	42.3	42.3
Electrical equipment .....	40.6	40.1	40.0	40.4	40.4	39.6	40.4	40.3	40.1	40.2
Transportation equipment .....	43.2	41.9	41.7	42.0	42.8	40.6	41.7	41.9	41.4	41.6
Instruments and related products .....	40.7	40.9	40.6	40.7	40.7	40.3	41.1	41.2	40.7	40.7
Miscellaneous manufacturing .....	39.4	39.2	38.9	39.0	39.3	38.3	39.2	39.3	38.9	38.9
<b>NONDURABLE GOODS</b> .....	39.8	39.4	39.4	39.6	39.5	39.1	39.7	39.8	39.5	39.4
<i>Overtime hours</i> .....	3.2	3.1	3.0	3.2	3.1	3.4	3.3	3.4	3.2	3.1
Food and kindred products .....	40.1	39.3	39.5	39.7	40.0	39.6	40.0	40.0	39.8	39.6
Tobacco manufacturers .....	38.9	38.5	38.6	41.4	38.7	38.5	39.0	38.9	38.9	41.2
Textile mill products .....	40.9	40.3	40.4	40.6	40.3	40.3	40.6	40.7	40.3	40.0
Apparel and other textile products .....	36.0	35.8	35.7	36.0	35.8	35.2	35.9	36.1	35.8	35.8
Paper and allied products .....	43.3	42.7	42.7	43.0	43.1	42.4	43.4	43.4	42.9	42.8
Printing and publishing .....	37.7	37.7	37.3	37.7	37.7	37.5	38.1	38.1	37.4	37.7
Chemicals and allied products .....	42.0	42.0	41.9	42.0	41.9	41.7	42.1	41.9	41.9	41.9
Petroleum and coal products .....	43.2	43.8	43.4	42.6	43.1	43.4	44.0	43.8	43.4	43.5
Rubber and plastics products, nec .....	41.3	40.7	40.6	41.2	41.2	39.4	40.6	41.0	40.8	41.1
Leather and leather products .....	38.0	37.7	37.8	38.0	37.2	36.6	37.4	38.3	37.6	37.2
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.3	39.9	39.7	40.1	40.1	40.4	40.6	40.1	40.0	39.9
<b>WHOLESALE AND RETAIL TRADE</b> .....	33.6	32.8	32.8	33.3	33.3	32.8	33.1	33.1	33.1	32.9
<b>WHOLESALE TRADE</b> .....	38.9	38.8	38.8	39.1	38.8	38.8	39.0	39.0	38.9	39.0
<b>RETAIL TRADE</b> .....	32.1	31.1	31.1	31.6	31.7	31.1	31.4	31.4	31.4	31.2
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.6	36.8	36.4	36.4	36.6	36.5	36.6	36.8	36.5	36.4
<b>SERVICES</b> .....	33.5	33.2	33.1	33.3	33.3	33.2	33.5	33.4	33.3	33.1

<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.  
<sup>p</sup>—preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

Industry	Average hourly earnings				Average weekly earnings			
	JUNE 1977	APR. 1978	MAY 1978 <sup>p</sup>	JUNE 1978 <sup>p</sup>	JUNE 1977	APR. 1978	MAY 1978 <sup>p</sup>	JUNE 1978 <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	\$5.22	\$5.61	\$5.63	\$5.66	\$190.01	\$201.96	\$201.55	\$205.46
<i>Seasonally adjusted</i> .....	5.22	5.62	5.64	5.67	188.96	204.01	203.04	204.12
<b>MINING</b> .....	6.88	7.54	7.54	7.54	306.85	331.01	327.99	330.25
<b>CONTRACT CONSTRUCTION</b> .....	7.97	8.32	8.46	8.52	298.68	308.67	310.48	322.06
<b>MANUFACTURING</b> .....	5.60	5.99	6.02	6.06	228.48	242.00	242.61	246.04
<b>DURABLE GOODS</b> .....	6.00	6.39	6.42	6.47	249.00	261.99	262.58	267.21
Ordnance and accessories.....	6.15	6.67	6.62	6.66	252.15	268.80	268.11	273.06
Lumber and wood products.....	5.01	5.40	5.46	5.60	203.91	215.46	216.76	224.56
Furniture and fixtures.....	4.28	4.56	4.59	4.62	167.78	178.75	179.01	182.95
Stone, clay, and glass products.....	5.79	6.14	6.19	6.27	243.18	256.65	258.74	263.97
Primary metal industries.....	7.45	8.00	8.04	8.14	310.67	331.20	334.46	343.51
Fabricated metal products.....	5.85	6.17	6.20	6.21	243.36	253.59	254.20	256.47
Machinery, except electrical.....	6.15	6.56	6.58	6.62	257.69	274.86	274.39	279.36
Electrical equipment.....	5.29	5.67	5.69	5.70	214.77	227.37	227.60	230.28
Transportation equipment.....	7.18	7.61	7.62	7.67	310.18	318.86	317.75	322.14
Instruments and related products.....	5.15	5.50	5.53	5.58	209.61	224.95	224.52	227.11
Miscellaneous manufacturing.....	4.31	4.59	4.61	4.64	169.81	179.93	179.33	180.96
<b>NONDURABLE GOODS</b> .....	5.02	5.39	5.41	5.45	200.19	212.37	213.15	215.82
Food and kindred products.....	5.28	5.71	5.73	5.74	211.73	224.40	226.34	227.88
Tobacco manufacturers.....	5.77	6.28	6.35	6.67	224.45	241.78	245.11	276.14
Textile mill products.....	3.90	4.17	4.18	4.21	159.51	168.05	168.87	170.93
Apparel and other textile products.....	3.62	3.91	3.90	3.92	130.32	139.98	139.23	141.12
Paper and allied products.....	5.86	6.29	6.32	6.43	253.74	268.58	269.86	276.49
Printing and publishing.....	6.06	6.38	6.41	6.44	228.46	240.53	239.09	242.79
Chemicals and allied products.....	6.35	6.83	6.87	6.91	266.70	286.86	287.85	290.22
Petroleum and coal products.....	7.73	8.37	8.35	8.38	333.94	366.61	362.39	365.37
Rubber and plastics products, nec.....	5.12	5.33	5.40	5.45	211.46	216.93	219.24	224.54
Leather and leather products.....	3.63	3.90	3.90	3.91	137.94	147.03	147.42	148.58
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	6.83	7.41	7.42	7.41	275.25	295.66	294.57	297.14
<b>WHOLESALE AND RETAIL TRADE</b> .....	4.26	4.62	4.62	4.63	143.14	151.54	151.54	154.18
<b>WHOLESALE TRADE</b> .....	5.51	5.97	5.97	6.00	214.34	231.64	231.64	234.60
<b>RETAIL TRADE</b> .....	3.82	4.13	4.13	4.14	122.62	128.44	128.44	130.82
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4.54	4.91	4.92	4.93	166.16	180.69	179.09	179.45
<b>SERVICES</b> .....	4.66	5.04	5.06	5.04	156.11	167.33	167.49	167.83

<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 on private nonagricultural payrolls, by industry division, seasonally adjusted

[1967=100]

Industry	JUNE 1977	JAN. 1978	FEB. 1978	MAR. 1978	APR. 1978	MAY P 1978	JUNE P 1978	Percent change from	
								JUNE 1977-JUNE 1978	MAY 1978-JUNE 1978
<b>TOTAL PRIVATE NONFARM:</b>									
Current dollars	177.4	208.1	208.8	210.2	212.1	212.0	213.0	8.2	3.0
Constant (1967) dollars	108.6	111.0	110.6	110.5	110.6	109.0	N.A.	(2)	(3)
<b>MINING</b>	215.4	221.4	223.2	225.3	235.5	236.4	237.2	10.1	.4
<b>CONTRACT CONSTRUCTION</b>	194.9	201.1	201.6	203.8	204.2	206.4	208.0	7.0	1.1
<b>MANUFACTURING</b>	158.5	208.3	209.7	210.9	212.1	213.2	214.0	8.1	.0
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	210.3	223.3	223.5	225.0	228.2	228.4	227.9	8.4	-2
<b>WHOLESALE AND RETAIL TRADE</b>	191.1	202.4	203.0	204.3	207.1	206.4	207.6	8.0	.0
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	177.7	188.5	187.5	188.5	191.5	191.0	193.0	6.6	.3
<b>SERVICES</b>	201.4	214.4	214.3	215.7	217.4	217.3	217.3	7.9	(4)

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

<sup>2</sup> PERCENT CHANGE WAS 1.1 FROM MAY 1977 TO MAY 1978, THE LATEST MONTH AVAILABLE.

<sup>3</sup> PERCENT CHANGE WAS -1.7 FROM APRIL 1978 TO MAY 1978, THE LATEST MONTH AVAILABLE.

<sup>4</sup> LESS THAN 0.05 PERCENT.

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, on private nonagricultural payrolls, by industry, seasonally adjusted

[1967=100]

Industry division and group	1977							1978					
	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY P	JUNE P
<b>TOTAL PRIVATE</b>	115.8	115.8	115.6	115.9	116.8	117.2	117.5	116.1	117.0	119.2	120.3	120.0	120.0
<b>GOODS-PRODUCING</b>	101.8	101.4	100.6	100.9	101.7	102.3	102.1	99.5	101.4	104.3	106.8	106.1	106.7
<b>MINING</b>	142.3	139.9	134.7	142.5	143.9	144.8	113.3	113.7	112.6	118.7	150.5	149.1	149.7
<b>CONTRACT CONSTRUCTION</b>	111.8	112.8	110.8	110.4	112.3	114.0	113.5	104.7	108.9	116.5	125.0	123.6	128.6
<b>MANUFACTURING</b>	98.7	98.0	97.6	97.8	98.4	98.8	99.7	98.2	99.7	101.7	102.1	101.5	101.4
<b>DURABLE GOODS</b>	98.7	98.3	98.1	98.4	99.3	99.5	100.8	99.3	100.9	103.0	103.3	102.9	103.7
Ordnance and accessories	41.0	40.5	39.3	39.1	38.2	38.2	42.2	39.8	38.1	41.3	42.5	42.2	47.4
Lumber and wood products	104.0	105.3	104.0	106.0	106.8	109.5	109.8	107.6	106.8	109.3	109.0	108.0	106.4
Furniture and fixtures	107.9	108.4	107.2	108.3	110.6	111.7	113.8	109.3	116.5	117.6	117.0	115.0	112.9
Stone, clay, and glass products	105.4	104.9	104.1	103.3	103.2	106.7	107.0	104.3	105.4	108.0	105.4	109.6	110.1
Primary metal industries	90.9	89.0	88.2	89.0	89.7	89.5	89.7	89.5	91.2	90.9	90.8	92.1	92.4
Fabricated metal products	104.2	103.7	103.3	103.1	105.0	105.7	107.7	105.3	107.6	109.1	109.7	109.1	108.8
Machinery, except electrical	101.6	103.2	103.5	103.6	105.5	104.9	106.0	104.1	107.0	109.1	110.0	109.9	111.1
Electrical equipment and supplies	97.9	98.3	98.3	97.8	98.8	99.4	100.4	98.9	100.3	103.4	103.1	102.9	102.7
Transportation equipment	96.5	94.8	95.4	96.5	96.2	94.5	96.7	96.5	96.3	99.0	99.1	98.2	97.5
Instruments and related products	113.2	111.7	111.3	112.4	113.2	113.4	114.4	113.4	114.8	117.8	119.2	118.1	119.5
Miscellaneous manufacturing industry	94.6	91.4	91.3	90.3	91.1	91.5	93.9	92.3	93.9	96.4	96.9	95.3	95.9
<b>NONDURABLE GOODS</b>	98.7	97.7	96.9	96.9	97.1	97.8	98.1	96.5	97.8	99.5	100.3	99.6	99.2
Food and kindred products	97.3	95.9	94.5	94.1	92.8	94.2	94.6	94.4	96.0	97.6	97.5	96.4	94.8
Tobacco manufacturers	80.2	77.2	71.7	73.2	72.4	72.2	74.0	72.4	74.4	76.7	73.8	75.1	78.6
Textile mill products	99.7	99.9	98.9	99.4	100.2	101.4	100.8	99.3	101.4	101.3	101.2	102.6	99.9
Apparel and other textile products	89.8	87.6	87.8	87.2	87.8	88.6	89.0	84.2	87.2	89.4	90.8	89.9	85.5
Paper and allied products	101.1	100.3	99.4	99.7	100.2	99.6	100.8	99.3	100.2	103.1	103.7	103.5	102.8
Printing and publishing	95.3	95.6	95.1	95.7	95.7	95.9	95.9	94.6	95.3	97.4	97.6	95.9	96.7
Chemicals and allied products	103.8	103.7	103.4	103.0	102.6	103.0	103.5	103.8	104.5	105.5	105.2	106.0	106.6
Petroleum and coal products	121.6	119.9	120.4	120.8	122.8	124.8	125.7	126.6	127.8	128.6	127.2	125.1	125.4
Rubber and plastics products, nec	133.9	132.5	129.7	129.3	130.5	132.5	133.8	131.3	131.9	137.4	139.8	139.1	138.5
Leather and leather products	72.9	69.9	71.8	72.7	73.8	73.7	71.9	70.7	70.7	72.6	74.7	73.6	71.9
<b>SERVICE-PRODUCING</b>	125.6	125.8	126.1	126.4	127.2	127.5	128.2	127.6	127.8	129.4	129.7	129.7	129.3
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	104.1	103.1	103.5	103.9	102.9	105.1	105.6	103.5	105.4	106.3	105.6	105.5	105.2
<b>WHOLESALE AND RETAIL TRADE</b>	121.2	121.6	121.6	121.8	122.7	122.4	123.2	122.3	122.3	124.1	124.2	124.7	124.4
<b>WHOLESALE TRADE</b>	117.3	117.5	117.5	117.8	118.7	118.8	118.9	118.9	120.3	121.7	122.0	122.0	122.1
<b>RETAIL TRADE</b>	122.7	123.1	123.1	123.3	124.2	123.7	124.8	123.5	123.1	124.9	125.0	125.6	125.3
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	131.7	132.3	132.7	133.2	134.2	134.9	134.9	135.4	135.9	136.7	138.0	137.5	137.9
<b>SERVICES</b>	139.6	140.1	140.6	140.9	142.7	142.6	143.4	143.8	143.4	145.3	145.7	145.3	144.4

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

P = preliminary.



## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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

Year end month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1975				
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
1976				
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
1977				
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	75.6
October.....	59.9	73.3	75.0	77.9
November.....	75.9	76.2	80.5	77.3p
December.....	73.8	77.9	83.7	78.2p
1978				
January.....	66.9	80.5	85.2	
February.....	70.1	81.7	84.0p	
March.....	74.4	77.6	76.5p	
April.....	68.9	73.3p		
May.....	63.4p	65.1p		
June.....	57.8p			
July.....				
August.....				
September.....				
October.....				
November.....				
December.....				

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