

# News

United States  
Department  
of Labor



Bureau of Labor Statistics

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## THE EMPLOYMENT SITUATION: OCTOBER 1977

The overall employment situation was little changed in October, it was reported today by the Bureau of Labor Statistics of the U. S. Department of Labor. The unemployment rate was 7.0 percent, thus remaining within the 6.9 to 7.1 percent range that has prevailed since April.

Total employment--as measured by the monthly survey of households--edged up by 135,000 to 91.2 million in October. Over the past 12 months, employment has grown by 3.5 million. Nonfarm payroll employment--as measured by the monthly survey of establishments--also rose slightly (by 120,000) over the month to 82.9 million. Payroll jobs have increased by 3.1 million since October 1976.

### Unemployment

There were 6.9 million unemployed persons in October, after seasonal adjustment, about the same number as in the previous month. (See table A-1.) The unemployment rate was 7.0 percent, the level around which it fluctuated narrowly during the prior 6 months. Strong downward movements early in the year, however, account for an 11-month decline of a full percentage point.

While the overall number of persons unemployed was little changed in October, there was an increase among men 25 years old and over; their 4.4-percent jobless rate marked an 8-month high. Partly offsetting this movement were marginal declines in the rates for most other age-sex groups. The jobless rate for blacks, which tends to fluctuate much more from month to month than the rate for whites, edged up from 13.1 to 13.9 percent in October. Unemployment of white workers, on the other hand, has held at 6.1 percent for 4 straight months. Over the past year, the black rate has shown no improvement, while joblessness for whites has declined by more than a percentage point. (See tables A-2 and A-6.)

Over the October 1976-77 period, total unemployment has fallen by more than 600,000, with four-fifths of the decline occurring among job losers. The average (mean) duration of unemployment edged down in October to 13.8 weeks and was 1.5 weeks lower than a year earlier. (See tables A-4 and A-5.)

Total Employment and the Labor Force

Total employment continued its post-recession expansion with a small rise in October. There were over-the-month increases among teenagers of 175,000 and adult men of 160,000. These outweighed a decline of 200,000 among adult women, which followed an advance of 500,000 in the previous month. Total employment has risen by 3.5 million over the past 12 months, and, in contrast with the September-October developments, almost half of the

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

Selected categories	Quarterly averages					Monthly data		
	1976		1977			1977		
	III	IV	I	II	III	Aug.	Sept.	Oct.
<b>HOUSEHOLD DATA</b>								
Thousands of persons								
Civilian labor force .....	95,261	95,711	96,067	97,186	97,623	97,697	97,868	98,102
Total employment .....	87,804	88,133	88,998	90,370	90,809	90,771	91,095	91,230
Unemployment .....	7,457	7,578	7,068	6,816	6,814	6,926	6,773	6,872
Not in labor force .....	58,963	59,132	59,379	58,908	59,140	59,064	59,114	59,099
Discouraged workers .....	827	992	929	1,061	1,104	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers .....	7.8	7.9	7.4	7.0	7.0	7.1	6.9	7.0
Adult men .....	6.0	6.2	5.6	5.1	5.1	5.2	4.9	5.3
Adult women .....	7.7	7.6	7.1	6.9	7.0	7.1	7.0	6.8
Teenagers .....	18.8	19.1	18.6	18.1	17.7	17.5	18.1	17.3
White .....	7.1	7.2	6.7	6.3	6.1	6.1	6.1	6.1
Black and other .....	13.1	13.4	12.8	12.8	13.6	14.5	13.1	13.9
Full-time workers .....	7.4	7.5	6.8	6.5	6.6	6.8	6.5	6.6
Thousands of jobs								
<b>ESTABLISHMENT DATA</b>								
Nonfarm payroll employment ...	79,683	80,090	80,927	81,909	82,551p	82,480	82,807p	82,926p
Goods-producing industries ...	23,372	23,440	23,765	24,292	24,372p	24,316	24,400p	24,432p
Service-producing industries ...	56,311	56,650	57,162	57,617	58,179p	58,164	58,407p	58,494p
Hours of work								
Average weekly hours:								
Total private nonfarm .....	36.1	36.2	36.1	36.2	36.0p	36.0	36.0p	36.1p
Manufacturing .....	39.9	40.0	40.1	40.4	40.3p	40.3	40.2p	40.3p
Manufacturing overtime .....	3.0	3.1	3.1	3.4	3.3p	3.3	3.3p	3.5p

p=preliminary.

N.A.=not available.

total increase was among adult women. Their ranks swelled by 1.7 million, while employment of adult men was up 1.4 million and teenage employment grew by nearly 500,000.

The employment-population ratio--the proportion of the total noninstitutional population that is employed--held steady over the month at 57.3 percent, a tenth of a point below the record high last reached in March 1974.

An October increase brought the civilian labor force to 98.1 million, 2.9 million more than a year earlier. The labor force participation rate--the proportion of the civilian noninstitutional population either working or seeking work--was 62.4 percent in October, a tenth of a point above the September rate and a tenth below the alltime high recorded in June. (See table A-1.)

#### Industry Payroll Employment

Total nonagricultural payroll employment rose a modest 120,000 in October to a level of 82.9 million, seasonally adjusted. There were employment gains in 63 percent of the 172 industries that make up the BLS diffusion index of private nonagricultural payroll employment. Virtually all of the net job growth occurred in contract construction, services, and finance, insurance, and real estate. Since October of last year, nonfarm payrolls have expanded by 3.1 million jobs. (See tables B-1 and B-6.)

Other than the gains in services (45,000) and finance, insurance, and real estate (25,000), there was little employment activity elsewhere in the service-producing industries. Employment in this sector has grown by about 2.0 million over the year.

In the goods-producing sector, the employment increase in contract construction offset losses in manufacturing. Construction employment grew by almost 45,000, re-establishing, at least temporarily, the growth pattern that started at the beginning of the year. Manufacturing employment edged down in October, resulting in part from sharply increased strike activity. (Workers who are on strike for an entire reference period are not counted as employed in the payroll survey.) Declines were concentrated in durable goods, particularly in the transportation equipment industry, where strike activity was heaviest (mostly aircraft and parts), and in primary metals, where there have been recent layoffs among steel workers. Mining employment was unchanged over

the month.

### Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls edged up by a tenth of an hour in October, the first increase in 4 months. The workweek averaged 36.1 hours in October, seasonally adjusted. The manufacturing workweek also rose by 0.1 hour to 40.3 hours, the same level as in July and August. Factory overtime rose by two-tenths of an hour to 3.5 hours. (See table B-2.)

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls rose 0.2 percent to an alltime high of 116.2 (1967=100) in October. The total index thus showed strength for the second month in a row, after declining in June, July, and August. Both the goods- and service-producing sectors' indices posted gains over the month. The overall index has risen 3.6 percent since October 1976. (See table B-5.)

### Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls rose 1.3 percent, seasonally adjusted, in October. This gain, combined with the slight increase in average weekly hours, resulted in a 1.6-percent increase in average weekly earnings. Hourly and weekly earnings stood 8.7 percent above their levels of a year earlier.

Before adjustment for seasonality, average hourly earnings rose a nickel from September to \$5.41, which, in turn, was 43 cents above the October 1976 level. Average weekly earnings rose \$1.27 over the month to \$195.30 and were up \$15.02 over the year. (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 203.1 (1967=100) in October, 1.0 percent higher than in September. The index was 7.8 percent above October a year ago. During the 12-month period ended in September, the Hourly Earnings Index in dollars of constant purchasing power rose 0.6 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 conducted by the Bureau of the Census for the Bureau of Labor Statistics. The sample consists of about 47,000 households selected to represent the U.S. civilian noninstitutional population 16 years of age 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 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 population 16 years of age and over, without duplication, since each person is classified as employed, unemployed, or not in the labor force.

The payroll survey relates only to paid wage and salary employees (regardless of age) on the payrolls of nonagricultural establishments. The household survey counts employed persons in both agriculture and in nonagricultural industries and, in addition to wage and salary workers (including private household workers), includes the self-employed, unpaid family workers, and persons "with a job but not at work" and not paid for the period absent. 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 lay-off and those waiting to begin a new job (within 30 days) 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).

To meet the extensive needs of data users, the Bureau regularly publishes data on a wide variety of labor market indicators—see, for example, the demographic, occupational, and industry detail in tables A-2 and A-3. 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, extending 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, school vacations, 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 90 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, current seasonal adjustment factors for unemployment and other labor force series are calculated taking into account the prior year's experience, and revised 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 unemployment (the sum of four seasonally-adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally-adjusted age-sex components). Several alternative methods for seasonally adjusting the overall unemployment rate are also used on a regular basis in order to illustrate the degree of uncertainty that arises because of the seasonal adjustment procedure. Among these alternative methods are five different age-sex adjustments,

including a concurrent adjustment and one based on stable factors and four based on other unemployment aggregations. Alternative rates for 1976 are shown in the table at the end of this note. (Current alternative rates and an explanation of the methods may be obtained from BLS upon request.)

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 revised annually, usually in conjunction with the annual benchmark adjustments (comprehensive counts of employment).

#### 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 questionnaire and procedures. The standard error is the measure of sampling variability, that is, the variations that might occur by chance because only a

sample of the population is surveyed. Tables A-E in the "Explanatory Notes" of *Employment and Earnings* provide standard errors for unemployment and other labor force categories.

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. Moreover, since the estimating procedures employ 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, usually annually. 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 benchmark levels. Measures of reliability for employment estimates are provided in the "Explanatory Notes" of *Employment and Earnings*, as are the actual amounts of revisions due to benchmark adjustments (tables G-L).

#### Unemployment rate by alternative seasonal adjustment methods

Month	Unad-justed rate	Official Ad-justed Rate	Alternative age-sex procedures					Other aggregations (all multiplicative)				Direct adjust-ment	Compo-site	Range (cols. 2-13)
			All multipli-cative	All addi-tive	Year-ahead	Con-current	Stable 1967-73	Dura-tion	Rea-sons	Total	Resid-ual			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<i>1976</i>														
January .....	8.8	7.8	7.8	8.0	7.8	7.8	8.1	8.0	7.8	7.8	8.2	7.9	7.9	0.4
February .....	8.7	7.6	7.6	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.7	7.6	7.6	.3
March .....	8.1	7.5	7.5	7.6	7.5	7.5	7.7	7.3	7.4	7.5	7.6	7.5	7.5	.4
April .....	7.4	7.5	7.5	7.5	7.4	7.4	7.6	7.4	7.5	7.5	7.4	7.5	7.5	.2
May .....	6.7	7.3	7.4	7.2	7.2	7.2	7.5	7.2	7.4	7.5	7.2	7.5	7.3	.3
June .....	8.0	7.6	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.3	7.4	7.3	7.5	.3
July .....	7.8	7.8	7.8	7.7	7.8	7.8	7.7	7.6	7.8	7.7	7.7	7.7	7.7	.2
August .....	7.6	7.9	7.9	7.8	7.9	7.9	7.7	8.0	8.0	7.9	7.8	8.0	7.9	.3
September .....	7.4	7.8	7.8	7.7	7.8	7.8	7.6	8.0	7.9	7.8	7.8	7.8	7.8	.4
October .....	7.2	7.9	8.0	7.8	7.9	7.9	7.7	8.0	7.9	8.0	7.9	7.9	7.9	.3
November .....	7.4	8.0	8.0	7.8	8.1	8.0	7.8	8.1	8.0	8.0	7.8	8.0	8.0	.3
December .....	7.4	7.8	7.9	7.8	7.9	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.8	.1

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Oct. 1976	Sept. 1977	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>TOTAL</b>									
Total noninstitutional population <sup>1</sup>	156,788	159,114	159,334	156,788	158,456	158,682	158,899	159,114	159,334
Armed Forces <sup>1</sup>	2,147	2,131	2,134	2,147	2,129	2,135	2,137	2,131	2,134
Civilian noninstitutional population <sup>1</sup>	154,642	156,982	157,201	154,642	156,327	156,547	156,761	156,982	157,201
Civilian labor force	95,530	97,684	98,451	95,302	97,641	97,305	97,697	97,868	98,102
Participation rate	61.8	62.2	62.6	61.6	62.5	62.2	62.3	62.3	62.4
Employed	88,697	91,247	92,230	87,738	90,679	90,561	90,771	91,095	91,230
Employment-population ratio <sup>2</sup>	56.6	57.3	57.9	56.0	57.2	57.1	57.1	57.3	57.3
Agriculture	3,447	3,326	3,408	3,310	3,338	3,213	3,252	3,215	3,272
Nonagricultural industries	85,250	87,921	88,822	84,428	87,341	87,348	87,519	87,880	87,958
Unemployed	6,833	6,437	6,221	7,564	6,962	6,744	6,926	6,773	6,872
Unemployment rate	7.2	6.6	6.3	7.9	7.1	6.9	7.1	6.9	7.0
Not in labor force	59,112	59,299	58,750	59,340	58,686	59,242	59,064	59,114	59,099
<b>Men, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	66,598	67,745	67,852	66,598	67,431	67,537	67,642	67,745	67,852
Civilian noninstitutional population <sup>1</sup>	64,902	66,056	66,161	64,902	65,743	65,845	65,947	66,056	66,161
Civilian labor force	51,864	52,528	52,910	51,912	52,497	52,494	52,588	52,457	52,844
Participation rate	80.0	79.5	80.0	80.0	79.9	79.7	79.7	79.7	79.9
Employed	49,215	50,374	50,610	48,684	49,859	49,794	49,854	49,884	50,043
Employment-population ratio <sup>2</sup>	75.8	74.4	74.6	73.1	73.9	73.7	73.7	73.6	73.8
Agriculture	2,424	2,406	2,427	2,334	2,372	2,305	2,355	2,343	2,338
Nonagricultural industries	46,791	47,969	48,182	46,350	47,487	47,489	47,499	47,541	47,705
Unemployed	2,649	2,154	2,300	3,228	2,638	2,700	2,734	2,573	2,801
Unemployment rate	5.1	4.1	4.3	6.2	5.0	5.1	5.2	4.9	5.3
Not in labor force	13,038	13,527	13,251	12,990	13,246	13,531	13,359	13,599	13,317
<b>Women, 20 years and over</b>									
Total noninstitutional population <sup>1</sup>	73,378	74,543	74,660	73,378	74,198	74,315	74,429	74,543	74,660
Civilian noninstitutional population <sup>1</sup>	73,288	74,444	74,561	73,288	74,101	74,217	74,332	74,444	74,561
Civilian labor force	35,046	36,382	36,549	34,444	35,675	35,667	35,723	36,201	35,931
Participation rate	47.8	48.9	49.0	47.0	48.1	48.1	48.1	48.6	48.2
Employed	32,430	33,709	34,109	31,811	33,116	33,212	33,172	33,672	33,474
Employment-population ratio <sup>2</sup>	43.6	45.2	45.7	43.4	44.6	44.7	44.6	45.2	44.8
Agriculture	631	529	617	553	564	525	515	492	541
Nonagricultural industries	31,799	33,180	33,493	31,258	32,552	32,687	32,657	33,180	32,933
Unemployed	2,615	2,673	2,440	2,633	2,559	2,455	2,551	2,529	2,457
Unemployment rate	7.5	7.3	6.7	7.6	7.2	6.9	7.1	7.0	6.8
Not in labor force	38,243	38,062	38,012	38,844	38,426	38,550	38,609	38,243	38,630
<b>Both sexes, 18-19 years</b>									
Total noninstitutional population <sup>1</sup>	16,812	16,825	16,822	16,812	16,827	16,830	16,828	16,825	16,822
Civilian noninstitutional population <sup>1</sup>	16,452	16,483	16,480	16,452	16,483	16,485	16,483	16,483	16,480
Civilian labor force	8,621	8,773	8,992	8,946	9,469	9,144	9,386	9,210	9,327
Participation rate	52.4	53.2	54.6	54.4	57.4	55.5	56.9	55.9	56.6
Employed	7,052	7,163	7,511	7,243	7,704	7,555	7,745	7,539	7,713
Employment-population ratio <sup>2</sup>	43.1	42.6	44.6	43.1	45.8	44.9	46.0	44.8	45.9
Agriculture	393	391	364	423	402	383	382	380	393
Nonagricultural industries	6,660	6,772	7,147	6,820	7,302	7,172	7,363	7,159	7,320
Unemployed	1,569	1,610	1,480	1,703	1,765	1,589	1,641	1,671	1,614
Unemployment rate	18.2	18.3	16.5	19.0	18.6	17.4	17.5	18.1	17.3
Not in labor force	7,831	7,710	7,488	7,506	7,014	7,341	7,097	7,273	7,153
<b>WHITE</b>									
Total noninstitutional population <sup>1</sup>	137,944	139,789	139,962	137,944	139,270	139,450	139,620	139,789	139,962
Civilian noninstitutional population <sup>1</sup>	136,165	138,046	138,218	136,165	137,522	137,698	137,865	138,046	138,218
Civilian labor force	84,619	86,382	87,081	84,511	86,268	85,968	86,285	86,471	86,861
Participation rate	62.1	62.6	63.0	62.1	62.7	62.4	62.6	62.6	62.8
Employed	79,133	81,394	82,307	78,384	80,813	80,752	81,010	81,214	81,540
Employment-population ratio <sup>2</sup>	56.6	58.2	58.8	56.8	58.0	57.9	58.0	58.1	58.3
Unemployed	5,486	4,988	4,774	6,127	5,455	5,216	5,275	5,257	5,321
Unemployment rate	6.5	5.8	5.5	7.2	6.3	6.1	6.1	6.1	6.1
Not in labor force	51,546	51,665	51,137	51,654	51,254	51,730	51,580	51,575	51,357
<b>BLACK AND OTHER</b>									
Total noninstitutional population <sup>1</sup>	18,844	19,325	19,760	18,844	19,186	19,232	19,279	19,325	19,760
Civilian noninstitutional population <sup>1</sup>	18,476	18,936	18,983	18,476	18,805	18,850	18,826	18,936	18,983
Civilian labor force	10,911	11,302	11,370	10,910	11,325	11,236	11,402	11,359	11,375
Participation rate	59.1	59.7	59.9	59.0	60.2	59.6	60.3	60.0	59.9
Employed	9,564	9,853	9,923	9,444	9,833	9,758	9,744	9,868	9,799
Employment-population ratio <sup>2</sup>	50.0	51.0	50.2	50.1	51.3	50.7	50.5	51.1	49.6
Unemployed	1,347	1,449	1,447	1,466	1,492	1,478	1,685	1,491	1,576
Unemployment rate	12.3	12.8	12.7	13.4	13.2	13.2	14.5	13.1	13.9
Not in labor force	7,565	7,634	7,613	7,566	7,480	7,614	7,494	7,577	7,608

<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					
	Oct. 1976	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>CHARACTERISTICS</b>								
Total, 16 years and over .....	7,564	6,872	7.9	7.1	6.9	7.1	6.9	7.0
Men, 20 years and over .....	3,228	2,801	6.2	5.0	5.1	5.2	4.9	5.3
Women, 20 years and over .....	2,633	2,457	7.6	7.2	6.9	7.1	7.0	6.8
Both sexes, 16-19 years .....	1,703	1,614	19.0	18.6	17.4	17.5	18.1	17.3
White, total .....	6,127	5,321	7.2	6.3	6.1	6.1	6.1	6.1
Men, 20 years and over .....	2,635	2,148	5.7	4.5	4.6	4.5	4.3	4.5
Women, 20 years and over .....	2,139	1,937	7.2	6.4	6.2	6.3	6.2	6.2
Both sexes, 16-19 years .....	1,353	1,236	16.8	16.1	14.3	14.7	15.9	14.8
Black and other, total .....	1,466	1,576	13.4	13.2	13.2	14.5	13.1	13.9
Men, 20 years and over .....	586	644	10.9	9.6	10.1	11.7	10.4	11.7
Women, 20 years and over .....	530	553	11.5	11.9	10.9	12.2	11.3	11.4
Both sexes, 16-19 years .....	350	379	38.0	39.4	40.7	40.4	37.4	37.9
Married men, spouse present .....	1,756	1,487	4.4	3.4	3.4	3.5	3.4	3.7
Married women, spouse present .....	1,605	1,422	7.3	6.8	6.6	6.6	6.4	6.3
Women who head families .....	457	437	10.7	9.4	9.3	10.5	10.4	9.6
Full-time workers .....	6,162	5,500	7.6	6.5	6.5	6.8	6.5	6.6
Part-time workers .....	1,449	1,416	10.3	10.7	9.2	8.9	9.5	9.7
Unemployed 15 weeks and over <sup>1</sup> .....	2,360	1,862	2.5	1.8	1.9	1.9	1.9	1.9
Labor force time lost <sup>2</sup> .....	--	--	8.6	7.5	7.4	7.7	7.4	7.5
<b>OCCUPATION<sup>3</sup></b>								
White-collar workers .....	2,108	1,994	4.6	4.2	4.0	4.2	4.2	4.1
Professional and technical .....	445	436	3.2	3.0	2.8	3.0	3.0	3.0
Managers and administrators, except farm .....	295	267	3.0	2.7	2.6	2.5	2.5	2.6
Sales workers .....	319	300	5.4	5.2	5.4	5.3	5.1	5.0
Clerical workers .....	1,049	991	6.2	5.7	5.4	5.8	6.0	5.7
Blue-collar workers .....	3,147	2,736	9.8	7.7	8.2	8.4	7.9	8.3
Craft and kindred workers .....	834	690	6.8	5.6	5.6	5.5	5.2	5.5
Operatives, except transport .....	1,300	1,162	11.6	9.4	10.1	10.0	10.2	10.2
Transport equipment operatives .....	300	240	8.3	5.7	7.5	7.6	5.7	6.5
Nonfarm laborers .....	713	644	14.0	10.9	10.7	12.6	11.1	12.2
Service workers .....	1,240	1,122	9.4	8.2	7.7	8.4	7.8	8.3
Farm workers .....	125	125	4.2	4.8	3.8	3.7	4.7	4.3
<b>INDUSTRY<sup>3</sup></b>								
Nonagricultural private wage and salary workers <sup>4</sup> .....	5,649	5,050	8.2	6.9	6.8	7.0	6.9	7.1
Construction .....	669	549	15.1	12.6	12.1	11.5	10.4	12.2
Manufacturing .....	1,749	1,528	8.2	6.3	6.7	7.0	7.2	7.0
Durable goods .....	1,014	803	8.0	5.6	6.1	6.5	6.6	6.3
Nondurable goods .....	735	725	8.5	7.3	7.6	7.7	8.2	8.1
Transportation and public utilities .....	276	259	5.6	4.1	4.7	4.9	5.0	5.0
Wholesale and retail trade .....	1,582	1,473	8.9	7.9	7.7	8.3	7.6	8.1
Finance and service industries .....	1,322	1,217	6.7	6.0	5.7	5.6	5.7	5.9
Government workers .....	695	658	4.4	4.2	3.9	4.4	4.0	4.1
Agricultural wage and salary workers .....	170	163	11.5	11.0	9.7	9.3	10.4	10.4
<b>VETERAN STATUS</b>								
Male Vietnam-era veterans: <sup>5</sup>								
20 to 34 years .....	557	491	8.7	7.6	7.9	7.8	7.7	7.5
20 to 24 years .....	181	148	19.0	18.1	16.3	17.4	20.1	16.0
25 to 29 years .....	239	194	7.9	7.1	7.2	6.3	6.1	6.9
30 to 34 years .....	137	149	5.7	4.5	5.8	6.0	5.1	5.3
Male nonveterans:								
20 to 34 years .....	1,368	1,213	8.9	6.9	7.6	7.9	7.0	7.5
20 to 24 years .....	809	659	11.9	8.9	9.9	10.5	9.1	9.4
25 to 29 years .....	373	348	7.6	6.3	6.8	6.6	5.9	6.8
30 to 34 years .....	186	206	5.1	4.0	4.6	4.9	4.8	5.2

<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 training, 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					
	Oct. 1976	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>CHARACTERISTICS</b>								
Total employed, 16 years and over .....	88,698	92,230	87,738	90,679	90,561	90,771	91,095	91,230
Men .....	52,971	54,685	52,576	53,987	53,900	53,958	53,966	54,266
Women .....	35,727	37,545	35,162	36,692	36,661	36,813	37,129	36,964
Married men, spouse present .....	38,426	38,808	37,989	38,582	38,434	38,316	38,358	38,386
Married women, spouse present .....	20,993	21,730	20,384	20,831	20,846	20,814	21,232	21,097
<b>OCCUPATION</b>								
White-collar workers .....	44,388	46,332	44,207	44,798	45,105	45,114	45,437	46,147
Professional and technical .....	13,612	14,251	13,427	13,638	13,863	13,720	13,777	14,054
Managers and administrators, except farm .....	9,463	9,981	9,436	9,570	9,583	9,688	9,777	9,951
Sales workers .....	5,592	5,727	5,551	5,673	5,716	5,722	5,748	5,687
Clerical workers .....	15,721	16,373	15,793	15,917	15,943	15,984	16,135	16,455
Blue-collar workers .....	29,355	30,536	28,921	30,432	30,063	30,231	30,282	30,084
Craft and kindred workers .....	11,486	11,969	11,352	11,891	11,887	11,931	11,974	11,827
Operatives, except transport .....	10,131	10,459	9,885	10,378	10,270	10,242	10,211	10,204
Transport equipment operatives .....	3,362	3,499	3,297	3,551	3,397	3,462	3,541	3,430
Nonfarm laborers .....	4,376	4,609	4,387	4,612	4,509	4,596	4,556	4,623
Service workers .....	12,031	12,485	11,972	12,697	12,460	12,591	12,604	12,420
Farm workers .....	2,925	2,878	2,829	2,838	2,743	2,778	2,676	2,783
<b>MAJOR INDUSTRY AND CLASS OF WORKER</b>								
Agriculture:								
Wage and salary workers .....	1,370	1,465	1,310	1,381	1,271	1,331	1,350	1,402
Self-employed workers .....	1,698	1,609	1,671	1,595	1,561	1,604	1,566	1,584
Unpaid family workers .....	379	334	343	378	363	315	275	303
Nonagricultural industries:								
Wage and salary workers .....	79,147	82,309	78,498	80,814	80,738	80,951	81,341	81,651
Government .....	15,063	15,556	14,998	14,961	15,131	15,282	15,296	15,494
Private industries .....	64,084	66,753	63,500	65,853	65,607	65,669	66,045	66,157
Private households .....	1,423	1,397	1,377	1,388	1,445	1,401	1,409	1,352
Other industries .....	62,661	65,356	62,123	64,465	64,162	64,268	64,636	64,805
Self-employed workers .....	5,658	6,069	5,632	5,997	5,896	6,151	6,072	6,039
Unpaid family workers .....	445	444	448	518	523	469	504	448
<b>PERSONS AT WORK <sup>1</sup></b>								
Nonagricultural industries .....	81,460	84,744	79,469	81,618	82,572	82,613	82,799	82,626
Full-time schedules .....	66,378	70,282	64,955	67,126	67,867	67,755	67,706	67,646
Part time for economic reasons .....	3,105	2,970	3,448	3,368	3,371	3,199	3,315	3,298
Usually work full time .....	1,229	1,148	1,339	1,341	1,440	1,196	1,246	1,251
Usually work part time .....	1,876	1,822	2,109	2,027	1,931	2,003	2,069	2,047
Part time for noneconomic reasons .....	11,977	12,640	11,066	11,124	11,334	11,659	11,778	11,682

<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					
	Oct. 1976	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>DURATION</b>								
Less than 5 weeks .....	2,796	2,737	2,952	3,058	2,830	2,870	2,789	2,890
5 to 14 weeks .....	2,075	1,936	2,367	2,023	1,969	2,338	2,236	2,208
15 weeks and over .....	1,962	1,547	2,360	1,737	1,834	1,808	1,866	1,862
15 to 26 weeks .....	866	729	1,094	798	917	966	940	916
27 weeks and over .....	1,096	818	1,266	939	917	842	926	946
Average (mean) duration, in weeks .....	14.7	13.3	15.3	14.4	14.1	13.5	14.2	13.8
<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 .....	40.9	44.0	38.4	44.9	42.7	40.9	40.5	41.5
5 to 14 weeks .....	30.4	31.1	30.8	29.7	29.7	33.3	32.4	31.7
15 weeks and over .....	28.7	24.9	30.7	25.5	27.6	25.8	27.1	26.8
15 to 26 weeks .....	12.7	11.7	14.2	11.7	13.8	13.8	13.6	13.2
27 weeks and over .....	16.0	13.2	16.5	13.8	13.8	12.0	13.4	13.6

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**Table A-5. Reasons for unemployment**

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Oct. 1976	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>NUMBER OF UNEMPLOYED</b>								
Lost last job .....	3,015	2,521	3,756	2,927	3,075	3,289	3,144	3,139
On layoff .....	706	604	1,107	827	919	1,018	928	947
Other job losers .....	2,309	1,917	2,649	2,100	2,156	2,271	2,216	2,192
Left last job .....	1,005	952	936	954	841	910	873	886
Reentered labor force .....	1,952	1,940	1,927	1,889	1,822	1,857	1,856	1,915
Seeking first job .....	861	807	894	1,077	974	1,000	935	840
<b>PERCENT DISTRIBUTION</b>								
Total unemployed .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers .....	44.1	40.5	50.0	42.7	45.8	46.6	46.2	46.3
On layoff .....	10.3	9.7	14.7	12.1	13.7	14.4	13.6	14.0
Other job losers .....	33.8	30.8	35.3	30.7	32.1	32.2	32.5	32.3
Job leavers .....	14.7	15.3	12.5	13.9	12.5	12.9	12.8	13.1
Reentrants .....	28.6	31.2	25.6	27.6	27.1	26.3	27.3	28.2
New entrants .....	12.6	13.0	11.9	15.7	14.5	14.2	13.7	12.4
<b>UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE</b>								
Job losers .....	3.1	2.5	3.9	3.0	3.2	3.4	3.2	3.2
Job leavers .....	1.1	1.0	1.0	1.0	.9	.9	.9	.9
Reentrants .....	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0
New entrants .....	.9	.8	.9	1.1	1.0	1.0	1.0	.9

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

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	Oct. 1976	Oct. 1977	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977	Oct. 1977
<b>Total, 16 years and over</b> .....	7,564	6,872	7.9	7.1	6.9	7.1	6.9	7.0
<b>16 to 19 years</b> .....	1,703	1,614	19.0	18.6	17.4	17.5	18.1	17.3
16 to 17 years .....	776	732	21.3	21.3	19.9	20.7	19.8	18.8
18 to 19 years .....	930	886	17.5	16.5	15.3	15.6	16.9	16.3
<b>20 to 24 years</b> .....	1,767	1,541	12.6	10.5	10.6	11.1	10.7	10.6
<b>25 years and over</b> .....	4,106	3,731	5.7	5.0	5.0	5.0	4.8	5.0
25 to 54 years .....	3,470	3,123	6.0	5.3	5.2	5.3	4.9	5.2
55 years and over .....	652	617	4.6	3.8	3.9	3.9	4.2	4.2
<b>Men, 16 years and over</b> .....	4,178	3,647	7.4	6.2	6.2	6.3	6.0	6.3
<b>16 to 19 years</b> .....	950	846	19.6	18.6	16.9	17.6	17.5	16.7
16 to 17 years .....	455	411	22.3	22.7	20.2	21.7	19.2	18.8
18 to 19 years .....	496	437	17.7	15.5	14.7	14.8	16.0	15.1
<b>20 to 24 years</b> .....	990	807	12.7	9.9	10.6	11.3	10.5	10.2
<b>25 years and over</b> .....	2,236	1,995	5.1	4.1	4.2	4.2	3.9	4.4
25 to 54 years .....	1,862	1,627	5.3	4.3	4.3	4.4	3.8	4.5
55 years and over .....	385	373	4.4	3.3	3.6	3.5	3.9	4.1
<b>Women, 16 years and over</b> .....	3,386	3,225	8.8	8.4	8.0	8.3	8.2	8.0
<b>16 to 19 years</b> .....	753	768	18.3	18.7	17.9	17.4	18.9	18.0
16 to 17 years .....	321	321	20.1	19.7	19.5	19.4	20.5	18.7
18 to 19 years .....	434	449	17.3	17.5	16.0	16.4	17.9	17.6
<b>20 to 24 years</b> .....	777	734	12.4	11.0	10.5	10.8	10.9	11.2
<b>25 years and over</b> .....	1,870	1,736	6.6	6.3	6.2	6.2	6.1	5.9
25 to 54 years .....	1,608	1,496	7.1	6.7	6.4	6.6	6.4	6.3
55 years and over .....	267	244	4.9	4.6	4.4	4.6	4.5	4.4

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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		
	1976		1977			1977		
	III	IV	I	II	III	Aug.	Sept.	Oct.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force .....	2.4	2.6	2.2	1.8	1.9	1.9	1.9	1.9
U-2—Job losers as a percent of the civilian labor force .....	3.9	3.9	3.4	3.1	3.2	3.4	3.2	3.2
U-3—Unemployed household heads as a percent of the household head labor force .....	5.3	5.3	4.8	4.4	4.5	4.6	4.5	4.6
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force .....	7.4	7.5	6.8	6.5	6.6	6.8	6.5	6.6
U-5—Total unemployed as a percent of the civilian labor force (official measure) .....	7.8	7.9	7.4	7.0	7.0	7.1	6.9	7.0
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons as a percent of the civilian labor force less ¼ of the part-time labor force .....	9.5	9.7	9.0	8.6	8.6	8.7	8.6	8.7
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ¼ of the part-time labor force .....	10.3	10.7	9.9	9.7	9.7	N.A.	N.A.	N.A.

N.A. = not available.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

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

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted					
	Oct. 1976	Aug. 1977	Sept. 1977 <sup>p</sup>	Oct. 1977 <sup>p</sup>	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977 <sup>p</sup>	Oct. 1977 <sup>p</sup>
<b>TOTAL</b> .....	80,572	82,397	83,158	83,711	79,819	82,121	82,366	82,480	82,807	82,926
<b>GOODS-PRODUCING</b> .....	23,804	24,800	24,964	24,938	23,323	24,353	24,399	24,316	24,400	24,432
<b>MINING</b> .....	804	833	857	858	800	855	834	818	851	854
<b>CONTRACT CONSTRUCTION</b> .....	3,815	4,204	4,169	4,196	3,582	3,876	3,917	3,889	3,896	3,940
<b>MANUFACTURING</b> .....	19,185	19,763	19,938	19,884	18,941	19,622	19,648	19,609	19,653	19,638
<i>Production workers</i> .....	13,807	14,217	14,397	14,327	13,575	14,144	14,139	14,088	14,131	14,092
<b>DURABLE GOODS</b> .....	11,131	11,522	11,688	11,677	11,018	11,491	11,530	11,536	11,577	11,561
<i>Production workers</i> .....	7,941	8,230	8,392	8,368	7,833	8,240	8,261	8,258	8,295	8,256
Ordnance and accessories .....	156.0	155.9	155.8	151.4	155	157	156	155	155	151
Lumber and wood products .....	622.5	666.7	664.7	661.5	613	637	639	641	650	651
Furniture and fixtures .....	498.4	513.2	518.3	524.7	491	510	513	507	514	516
Stone, clay, and glass products .....	641.8	673.5	673.0	672.1	630	659	660	656	659	660
Primary metal industries .....	1,192.6	1,206.3	1,213.9	1,196.8	1,194	1,218	1,209	1,206	1,210	1,198
Fabricated metal products .....	1,406.5	1,464.0	1,482.4	1,494.2	1,387	1,452	1,458	1,461	1,465	1,474
Machinery, except electrical .....	2,072.2	2,192.7	2,219.3	2,226.8	2,078	2,168	2,202	2,215	2,224	2,234
Electrical equipment .....	1,868.9	1,947.2	1,972.4	1,979.2	1,849	1,933	1,941	1,953	1,953	1,958
Transportation equipment .....	1,722.1	1,749.4	1,829.9	1,809.1	1,695	1,809	1,810	1,802	1,808	1,781
Instruments and related products .....	514.0	527.6	530.5	531.9	511	528	527	525	528	529
Miscellaneous manufacturing .....	435.8	425.8	427.6	428.9	415	420	415	414	411	409
<b>NONDURABLE GOODS</b> .....	8,054	8,241	8,250	8,207	7,923	8,131	8,118	8,073	8,076	8,077
<i>Production workers</i> .....	5,866	5,987	6,005	5,959	5,742	5,904	5,878	5,830	5,836	5,836
Food and kindred products .....	1,777.9	1,830.0	1,836.5	1,775.3	1,706	1,737	1,726	1,710	1,710	1,704
Tobacco manufactures .....	84.2	73.7	75.8	76.8	76	72	72	68	68	69
Textile mill products .....	964.8	990.0	988.7	991.1	961	987	992	984	987	987
Apparel and other textile products .....	1,295.7	1,295.2	1,303.9	1,309.0	1,273	1,306	1,293	1,287	1,286	1,286
Paper and allied products .....	681.9	711.0	707.6	708.0	677	703	705	705	703	703
Printing and publishing .....	1,090.4	1,112.0	1,116.6	1,122.2	1,087	1,111	1,115	1,115	1,118	1,119
Chemicals and allied products .....	1,037.5	1,070.6	1,061.8	1,057.3	1,032	1,060	1,064	1,062	1,057	1,052
Petroleum and coal products .....	204.6	215.0	213.3	214.4	202	210	210	209	210	212
Rubber and plastics products, nec. .....	652.6	678.3	683.2	685.9	645	680	684	673	674	678
Leather and leather products .....	264.2	265.6	262.8	266.6	264	265	257	260	263	267
<b>SERVICE-PRODUCING</b> .....	56,768	57,597	58,194	58,773	56,496	57,768	57,967	58,164	58,407	58,494
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	4,538	4,604	4,645	4,642	4,506	4,579	4,572	4,577	4,613	4,610
<b>WHOLESALE AND RETAIL TRADE</b> .....	17,922	18,352	18,457	18,530	17,824	18,247	18,294	18,363	18,425	18,429
<b>WHOLESALE TRADE</b> .....	4,322	4,429	4,421	4,440	4,292	4,383	4,394	4,398	4,403	4,409
<b>RETAIL TRADE</b> .....	13,600	13,923	14,036	14,090	13,532	13,864	13,900	13,965	14,022	14,020
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4,355	4,578	4,550	4,559	4,359	4,489	4,506	4,519	4,541	4,564
<b>SERVICES</b> .....	14,849	15,587	15,492	15,554	14,819	15,245	15,372	15,463	15,477	15,523
<b>GOVERNMENT</b> .....	15,104	14,476	15,050	15,488	14,988	14,208	15,223	15,242	15,351	15,368
<b>FEDERAL</b> .....	2,711	2,757	2,717	2,709	2,730	2,735	2,721	2,735	2,728	2,728
<b>STATE AND LOCAL</b> .....	12,393	11,719	12,333	12,779	12,258	12,473	12,502	12,507	12,623	12,640

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					
	Oct. 1976	Aug. 1977	Sept. 1977 <sup>p</sup>	Oct. 1977 <sup>p</sup>	Oct. 1976	June 1977	July 1977	Aug. 1977	Sept. 1977 <sup>p</sup>	Oct. 1977 <sup>p</sup>
<b>TOTAL PRIVATE</b> .....	36.2	36.5	36.2	36.1	36.1	36.2	36.1	36.0	36.0	36.1
<b>MINING</b> .....	43.8	44.2	45.2	45.9	43.3	44.0	44.8	44.2	44.9	45.4
<b>CONTRACT CONSTRUCTION</b> .....	38.2	37.4	37.1	37.4	37.3	36.8	36.8	36.3	36.2	36.6
<b>MANUFACTURING</b> .....	40.0	40.3	40.5	40.5	39.9	40.5	40.3	40.3	40.2	40.3
<i>Overtime hours</i> .....	3.2	3.5	3.7	3.7	2.9	3.4	3.4	3.3	3.3	3.5
<b>DURABLE GOODS</b> .....	40.6	40.8	41.2	41.2	40.5	41.2	41.0	41.0	40.9	41.0
<i>Overtime hours</i> .....	3.2	3.6	3.9	3.9	3.0	3.7	3.6	3.5	3.5	3.7
Ordnance and accessories .....	40.6	39.8	40.6	40.2	40.6	40.9	40.4	40.2	40.5	40.2
Lumber and wood products .....	40.6	40.1	40.3	40.4	40.3	39.9	40.4	39.7	39.9	40.1
Furniture and fixtures .....	38.8	39.5	39.7	40.0	38.4	38.8	38.9	39.0	39.1	39.6
Stone, clay, and glass products .....	41.8	41.8	41.4	41.2	41.4	41.7	41.4	41.4	40.9	40.8
Primary metal industries .....	40.1	40.8	41.3	41.2	40.2	41.6	40.9	41.1	40.8	41.3
Fabricated metal products .....	40.6	41.0	41.3	41.2	40.4	41.3	41.0	41.0	41.0	41.0
Machinery, except electrical .....	41.2	41.5	42.0	41.9	41.2	41.9	41.9	41.9	41.8	41.9
Electrical equipment .....	40.2	40.2	40.5	40.4	40.0	40.4	40.2	40.3	40.2	40.2
Transportation equipment .....	41.4	41.4	42.5	42.5	41.2	42.9	42.2	42.5	42.1	42.3
Instruments and related products .....	40.3	40.1	40.6	40.6	40.3	40.7	40.4	40.3	40.3	40.6
Miscellaneous manufacturing .....	38.9	38.8	39.2	39.3	38.7	39.2	38.7	38.8	39.0	39.1
<b>NONDURABLE GOODS</b> .....	39.2	39.5	39.6	39.5	39.1	39.6	39.3	39.2	39.2	39.3
<i>Overtime hours</i> .....	3.0	3.3	3.4	3.3	2.8	3.1	3.0	3.1	3.0	3.1
Food and kindred products .....	40.4	40.3	40.2	39.3	40.3	40.0	39.7	39.7	39.5	39.2
Tobacco manufactures .....	38.7	38.1	39.4	39.7	37.5	39.0	37.4	37.6	38.7	38.4
Textile mill products .....	39.5	40.4	40.6	40.6	39.4	40.5	40.4	40.1	40.2	40.5
Apparel and other textile products .....	35.3	35.8	35.4	35.8	35.0	35.9	35.3	35.4	35.1	35.5
Paper and allied products .....	42.3	42.7	43.0	42.8	42.1	43.1	42.7	42.4	42.6	42.6
Printing and publishing .....	37.6	37.9	38.3	38.0	37.5	37.7	37.8	37.7	37.9	37.9
Chemicals and allied products .....	41.6	41.6	41.7	41.8	41.6	41.9	41.7	41.8	41.6	41.8
Petroleum and coal products .....	42.5	42.7	43.4	43.5	42.0	43.0	42.9	42.8	42.8	43.0
Rubber and plastics products, nec .....	44.1	40.7	41.0	41.0	41.1	41.1	40.6	40.6	40.6	41.0
Leather and leather products .....	36.3	37.4	37.3	37.9	36.4	37.2	36.8	37.2	37.5	38.1
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	40.0	40.4	40.2	40.0	39.8	40.1	39.9	40.0	40.0	39.8
<b>WHOLESALE AND RETAIL TRADE</b> .....	33.3	34.0	33.2	33.0	33.5	33.3	33.3	33.2	33.2	33.2
<b>WHOLESALE TRADE</b> .....	38.7	38.9	38.9	39.0	38.7	38.8	38.8	38.8	38.8	39.0
<b>RETAIL TRADE</b> .....	31.8	32.6	31.6	31.3	32.0	31.7	31.7	31.6	31.6	31.5
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	36.7	36.8	36.6	36.7	36.7	36.6	36.6	36.7	36.7	36.7
<b>SERVICES</b> .....	33.5	33.7	33.3	33.3	33.6	33.3	33.2	33.2	33.3	33.4

<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.

## ESTABLISHMENT DATA

## ESTABLISHMENT DATA

Table B-3. Average hourly and weekly earnings of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry

Industry	Average hourly earnings				Average weekly earnings			
	Oct. 1976	Aug. 1977	Sept. 1977 <sup>P</sup>	Oct. 1977 <sup>P</sup>	Oct. 1976	Aug. 1977	Sept. 1977 <sup>P</sup>	Oct. 1977 <sup>P</sup>
<b>TOTAL PRIVATE</b> .....	\$4.98	\$5.26	\$5.36	\$5.41	\$180.28	\$191.99	\$194.03	\$195.30
<i>Seasonally adjusted</i> .....	4.95	5.28	5.31	5.38	178.70	190.08	191.16	194.22
<b>MINING</b> .....	6.56	6.86	7.06	7.11	287.33	303.21	319.11	326.35
<b>CONTRACT CONSTRUCTION</b> .....	7.85	8.06	8.20	8.22	299.87	301.44	304.22	307.43
<b>MANUFACTURING</b> .....	5.28	5.65	5.74	5.78	211.20	227.70	232.47	234.09
<b>DURABLE GOODS</b> .....	5.62	6.03	6.14	6.19	228.17	246.02	252.97	255.03
Ordnance and accessories .....	5.89	6.30	6.38	6.29	239.13	250.74	259.03	252.86
Lumber and wood products .....	4.87	5.13	5.20	5.19	197.72	205.71	209.56	209.68
Furniture and fixtures .....	4.06	4.35	4.39	4.40	157.53	171.83	174.28	176.00
Stone, clay, and glass products .....	5.43	5.84	5.87	5.89	226.97	244.11	243.02	242.67
Primary metal industries .....	6.90	7.60	7.71	7.75	276.69	310.08	318.42	319.30
Fabricated metal products .....	5.49	5.87	5.95	6.00	222.89	240.67	245.74	247.20
Machinery, except electrical .....	5.83	6.21	6.33	6.40	240.20	257.72	265.86	268.16
Electrical equipment .....	5.03	5.40	5.46	5.47	202.21	217.08	221.13	220.99
Transportation equipment .....	6.58	7.11	7.27	7.46	272.41	294.35	308.98	317.05
Instruments and related products .....	4.95	5.21	5.28	5.27	199.49	208.92	214.37	213.96
Miscellaneous manufacturing .....	4.06	4.33	4.38	4.40	157.93	168.00	171.70	172.92
<b>NONDURABLE GOODS</b> .....	4.80	5.11	5.17	5.18	188.16	201.85	204.73	204.61
Food and kindred products .....	5.04	5.36	5.42	5.45	203.62	216.01	217.88	214.19
Tobacco manufactures .....	4.69	5.43	5.35	5.25	181.50	206.88	210.79	208.43
Textile mill products .....	3.79	4.05	4.08	4.08	149.71	163.62	165.65	165.65
Apparel and other textile products .....	3.49	3.62	3.68	3.71	123.20	129.60	130.27	132.82
Paper and allied products .....	5.57	6.00	6.06	6.08	235.61	256.20	260.58	260.22
Printing and publishing .....	5.77	6.15	6.20	6.20	216.95	233.09	237.46	235.60
Chemicals and allied products .....	6.04	6.45	6.52	6.56	251.26	268.32	271.88	274.21
Petroleum and coal products .....	7.20	7.73	7.77	7.79	306.00	330.07	337.22	338.87
Rubber and plastics products, nec .....	4.86	5.14	5.18	5.21	199.75	209.20	212.38	213.61
Leather and leather products .....	3.47	3.62	3.67	3.68	125.96	135.39	136.89	139.47
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	6.63	6.99	7.10	7.15	265.20	282.40	285.42	286.00
<b>WHOLESALE AND RETAIL TRADE</b> .....	4.06	4.28	4.34	4.39	135.20	145.52	144.09	144.87
<b>WHOLESALE TRADE</b> .....	5.28	5.56	5.64	5.71	204.34	216.28	219.40	222.69
<b>RETAIL TRADE</b> .....	3.63	3.83	3.88	3.91	115.43	124.86	122.61	122.38
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	4.41	4.60	4.63	4.71	161.85	169.28	169.46	172.86
<b>SERVICES</b> .....	4.44	4.68	4.79	4.85	148.74	157.72	159.51	161.51

<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	Oct. 1976	May 1977	June 1977	July 1977	Aug. 1977	Sept. P 1977	Oct. P 1977	Percent change from	
								Oct. 1976- Oct. 1977	Sept. 1977- Oct. 1977
<b>TOTAL PRIVATE NONFARM:</b>									
Current dollars .....	188.4	196.5	197.5	199.5	200.0	201.0	203.1	7.8	1.0
Constant (1967) dollars .....	108.9	108.6	108.6	109.3	109.2	109.4	N.A.	(2)	(3)
MINING .....	205.5	213.1	215.4	216.9	217.7	219.1	222.4	8.2	1.5
CONTRACT CONSTRUCTION .....	187.9	193.1	195.1	196.3	195.8	195.7	196.9	4.8	.6
MANUFACTURING .....	188.4	196.8	198.5	200.5	201.4	202.7	204.2	8.4	.7
TRANSPORTATION AND PUBLIC UTILITIES .....	202.4	210.1	210.5	214.2	212.8	215.2	216.8	7.1	.7
WHOLESALE AND RETAIL TRADE .....	182.1	190.7	191.1	193.0	193.2	194.4	196.4	7.9	1.1
FINANCE, INSURANCE, AND REAL ESTATE .....	173.5	179.0	177.2	180.3	180.9	181.3	185.0	6.6	2.0
SERVICES .....	191.3	200.7	201.8	203.3	204.8	205.1	208.7	9.1	1.8

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

<sup>2</sup> Percent change was 0.6 from September 1976 to September 1977, the latest month available.

<sup>3</sup> Percent change was 0.2 from August 1977 to September 1977, 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 man-hours of production or nonsupervisory workers<sup>1</sup> on private nonagricultural payrolls, by industry, seasonally adjusted**

[1967 = 100]

Industry division and group	1976			1977									
	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept. P	Oct. P
<b>TOTAL</b> .....	112.2	112.8	113.3	112.3	114.2	115.2	115.6	116.1	115.8	115.7	115.6	116.0	116.2
<b>GOODS-PRODUCING</b> .....	96.0	97.2	96.9	95.2	98.3	100.0	100.9	101.7	101.8	101.4	100.6	100.9	101.4
<b>MINING</b> .....	131.1	132.6	134.0	130.7	134.6	141.5	142.2	140.2	141.8	139.9	134.7	143.5	145.1
<b>CONTRACT CONSTRUCTION</b> .....	104.2	105.7	104.3	96.4	105.9	108.1	112.0	112.7	111.3	112.7	110.1	110.1	112.6
<b>MANUFACTURING</b> .....	93.2	94.5	94.4	93.8	95.7	97.1	97.5	98.5	98.8	98.1	97.7	97.8	97.9
<b>DURABLE GOODS</b> .....	92.0	93.8	93.6	93.2	94.8	96.8	96.8	98.1	98.7	98.3	98.3	98.5	98.3
Ordnance and accessories .....	38.5	38.5	39.5	39.0	39.1	38.5	40.8	41.3	41.1	40.0	39.8	39.0	36.0
Lumber and wood products .....	99.4	100.8	101.9	101.1	103.0	103.4	104.1	104.1	103.8	105.3	103.9	105.9	106.4
Furniture and fixtures .....	102.2	102.8	103.5	98.5	102.7	105.3	106.0	107.4	107.7	108.2	106.9	109.3	110.9
Stone, clay, and glass products .....	99.7	100.2	99.1	96.1	97.1	101.5	104.1	104.7	105.7	105.1	104.1	103.4	103.0
Primary metal industries .....	86.2	85.7	85.0	84.8	85.1	88.5	90.0	91.1	91.1	89.0	88.9	88.8	88.5
Fabricated metal products .....	96.5	98.1	98.1	97.6	100.0	101.6	101.0	103.1	104.2	103.6	103.6	104.0	105.6
Machinery, except electrical .....	94.0	96.7	96.0	95.7	97.7	98.6	98.3	100.5	101.2	103.3	103.9	104.1	104.4
Electrical equipment and supplies .....	92.1	93.4	93.1	91.7	95.5	95.9	96.1	97.3	97.9	97.4	98.5	98.0	98.4
Transportation equipment .....	86.1	91.5	90.6	93.3	91.3	96.7	94.8	96.2	96.9	95.2	95.8	95.3	93.3
Instruments and related products .....	107.9	108.5	110.4	108.9	112.4	111.6	111.1	112.3	113.2	112.3	111.0	112.0	113.2
Miscellaneous manufacturing, Ind. ....	92.0	92.1	91.6	93.1	96.8	96.0	95.1	95.0	94.3	91.4	91.0	91.2	90.3
<b>NONDURABLE GOODS</b> .....	95.0	95.4	95.5	94.7	97.1	97.6	98.5	98.9	98.9	97.8	96.9	96.9	97.2
Food and kindred products .....	96.2	96.6	95.5	95.1	97.5	97.9	98.8	97.2	97.5	95.9	94.5	94.0	93.0
Tobacco manufactures .....	83.0	81.6	81.6	76.1	83.0	75.5	80.7	77.2	79.4	74.9	72.6	74.8	75.5
Textile mill products .....	95.0	95.6	96.1	95.4	97.9	99.5	99.7	101.1	100.2	100.5	98.8	99.5	100.2
Apparel and other textile products .....	85.7	86.1	86.3	84.1	88.0	87.9	87.3	89.4	90.4	87.6	87.6	86.8	87.7
Paper and allied products .....	95.7	97.0	97.2	96.2	98.0	98.3	100.8	101.0	101.3	100.3	99.4	100.1	99.9
Printing and publishing .....	93.4	93.6	93.7	93.0	94.8	94.3	94.9	95.4	95.3	95.6	95.1	95.6	96.0
Chemicals and allied products .....	99.4	100.0	100.0	100.4	101.8	102.2	103.5	103.7	103.7	103.7	103.6	102.4	102.4
Petroleum and coal products .....	112.5	113.1	114.7	115.0	114.7	118.7	120.5	120.2	121.3	120.2	120.4	120.8	123.1
Rubber and plastics products, nec .....	125.6	125.7	127.6	127.7	129.6	131.7	134.7	135.8	133.9	132.7	129.5	130.0	131.5
Leather and leather products .....	71.0	70.4	70.5	69.1	71.9	71.9	73.9	73.9	72.9	70.2	71.3	72.5	74.6
<b>SERVICE-PRODUCING</b> .....	123.5	123.5	124.6	124.1	125.3	125.8	125.8	126.6	125.4	125.7	126.0	126.0	126.5
<b>TRANSPORTATION AND PUBLIC UTILITIES</b> .....	102.0	103.2	105.0	102.7	104.4	104.2	103.9	104.4	104.0	103.1	103.4	103.8	103.1
<b>WHOLESALE AND RETAIL TRADE</b> .....	119.3	118.9	120.0	119.1	120.7	121.5	121.7	121.7	121.1	121.4	121.4	121.8	121.7
<b>WHOLESALE TRADE</b> .....	114.8	114.8	114.8	115.4	117.0	116.9	117.8	117.3	117.3	117.3	117.4	117.6	118.3
<b>RETAIL TRADE</b> .....	121.0	120.4	122.0	120.4	122.1	123.2	123.1	123.3	122.5	122.9	122.9	123.3	123.0
<b>FINANCE, INSURANCE, AND REAL ESTATE</b> .....	128.3	129.1	129.8	130.6	130.2	131.1	131.1	131.6	131.5	132.2	132.6	133.4	133.9
<b>SERVICES</b> .....	137.6	137.7	138.4	138.8	139.7	140.0	140.1	140.2	139.5	140.0	140.6	141.2	141.8

<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 and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
<b>1974</b>				
January .....	58.7	61.6	64.8	63.1
February .....	55.8	55.2	56.4	59.6
March .....	48.0	54.7	54.7	54.9
April .....	54.7	52.3	51.5	50.0
May .....	54.7	57.0	50.3	40.1
June .....	54.4	50.9	44.5	28.2
July .....	49.1	44.2	35.8	26.7
August .....	42.2	36.0	32.0	22.1
September .....	32.6	35.5	21.8	20.6
October .....	35.5	26.2	15.7	18.6
November .....	19.8	21.8	16.0	16.6
December .....	19.8	12.8	13.7	14.0
<b>1975</b>				
January .....	16.9	12.5	13.7	16.3
February .....	16.9	14.0	12.8	17.4
March .....	27.3	22.7	18.9	17.2
April .....	44.2	34.6	29.1	20.3
May .....	51.2	43.6	40.7	25.6
June .....	39.8	47.7	59.0	40.1
July .....	57.3	55.5	63.4	50.3
August .....	72.4	75.0	66.6	61.9
September .....	81.4	78.8	72.4	71.5
October .....	64.0	70.6	78.8	75.9
November .....	59.6	69.2	79.4	79.1
December .....	69.2	75.0	77.6	81.4
<b>1976</b>				
January .....	76.7	82.0	82.8	84.6
February .....	74.4	84.3	83.1	82.8
March .....	77.9	84.9	77.0	79.4
April .....	77.9	81.1	77.0	73.5
May .....	63.4	70.6	71.5	79.7
June .....	47.1	57.0	70.9	79.4
July .....	52.9	47.4	55.2	75.3
August .....	49.1	65.1	55.2	74.1
September .....	68.9	54.9	61.9	78.2
October .....	39.0	59.9	70.1	76.5
November .....	64.2	53.8	69.8	75.0
December .....	68.3	75.9	76.7	74.7
<b>1977</b>				
January .....	71.5	76.7	88.4	75.9
February .....	61.6	84.6	86.6	75.6
March .....	79.7	86.0	83.7	76.7p
April .....	79.1	83.7	79.4	81.1p
May .....	68.9	71.5	74.1	
June .....	57.8	61.6	68.3p	
July .....	62.5	52.0	65.1p	
August .....	48.0	59.6p		
September .....	62.8p	62.5p		
October .....	63.1p			
November .....				
December .....				

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