

Washington, D.C. 20212

USDL 78-917
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EMBARGOED UNTIL 9:00 A.M. (EST) FRIDAY,
NOVEMBER 3, 1978

The civilian labor force was 101.1 million in October, up 2.9 million from a year earlier (after adjustment; see box on table A-1). Adult women accounted for about 60 percent of the 12-month labor force increase. The overall civilian labor force participation rate was 63.3 percent in October, unchanged from September and about a full percentage point above October 1977.

Industry Payroll Employment

Following little growth between June and September, nonagricultural payroll employment rose sharply—by 430,000—in October to 86.6 million, as nearly all of the major industry groups posted gains. Employment increased in 68 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural payroll employment. About 40,000 of the October increase resulted from a return of striking workers to their jobs. Nonfarm jobs have increased by 3.4 million over the past year. (See tables B-1 and B-6.)

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

Selected categories	Quarterly averages					Monthly data		
	1977		1978			1978		
	III	IV	I	II	III	Aug.	Sept.	Oct.
HOUSEHOLD DATA	Thousands of persons							
Civilian labor force	97,559	98,622	99,205	100,206	100,679	100,549	100,870	101,062
Total employment	90,823	92,069	93,050	94,244	94,625	94,581	94,868	95,192
Unemployment	6,736	6,554	6,155	5,962	6,054	5,968	6,002	5,870
Not in labor force	59,205	58,777	58,799	58,399	58,556	58,677	58,577	58,645
Discouraged workers	1,067	969	903	842	891	N.A.	N.A.	N.A.
	Percent of labor force							
Unemployment rates:								
All workers	6.9	6.6	6.2	5.9	6.0	5.9	6.0	5.8
Adult men	5.0	4.8	4.6	4.1	4.1	4.1	4.0	4.0
Adult women	7.0	6.8	5.9	6.1	6.2	6.1	6.0	5.6
Teenagers	17.6	16.7	16.9	15.9	16.2	15.6	16.6	16.3
White	6.1	5.8	5.4	5.1	5.2	5.2	5.3	5.1
Black and other	13.6	13.3	12.3	12.0	11.8	11.7	11.2	11.4
Full-time workers	6.5	6.2	5.7	5.4	5.6	5.5	5.5	5.3
ESTABLISHMENT DATA	Thousands of jobs							
Nonfarm payroll employment ...	82,677	83,489	84,262	85,677	86,116p	86,149	86,167p	86,597p
Goods-producing industries ...	24,417	24,583	24,766	25,376	25,473p	25,463	25,455p	25,660p
Service-producing industries ...	58,260	58,906	59,495	60,302	60,643p	60,686	60,712p	60,937p
	Hours of work							
Average weekly hours:								
Total private nonfarm	35.9	36.0	35.7	36.0	35.8p	35.8	35.8p	35.8p
Manufacturing	40.3	40.5	40.2	40.6	40.4p	40.3	40.4p	40.5p
Manufacturing overtime	3.4	3.6	3.6	3.6	3.5p	3.4	3.6p	3.6p

p=preliminary.

N.A.=not available.

Over-the-month employment gains were widespread in goods-producing as well as in service-producing industries. The largest increase among the major industry groups was in manufacturing (140,000), with virtually all of the gain occurring among durable goods industries. Within durable goods, most of the strength was in the major metals and metal-using industries, particularly transportation equipment and machinery. Total factory employment had been steady since the early part of this year. Similarly, an over-the-month employment increase in the construction industry (60,000) followed several months of relatively small movements.

In the service-producing sector, large employment gains occurred in trade (100,000), services (55,000), and transportation and public utilities (50,000). There was also continued growth in finance, insurance, and real estate, while State and local government employment remained weak.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls was 35.8 hours in October, unchanged from both August and September. The manufacturing workweek edged up 0.1 hour to 40.5 hours, while factory overtime, at 3.6 hours, was unchanged from the September level. (See table B-2.)

Because of the substantial over-the-month employment growth, the index of aggregate hours of production or nonsupervisory workers on private nonagricultural payrolls rose to 121.4 (1967=100) in October, 0.5 percent above the September level. The index, which had shown little growth between June and September, was 3.8 percent higher than the year-earlier level. (See table B-5.)

Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls increased 0.9 percent in October and 8.6 percent from a year ago (seasonally adjusted). Average weekly earnings also increased 0.9 percent over the month; weekly earnings have risen by 7.7 percent since October 1977 (seasonally adjusted).

Before adjustment for seasonality, average hourly earnings rose 5 cents to \$5.86, 47 cents above the level of last October; average weekly earnings were \$210.37, \$1.79 above their September level and \$15.79 higher than a year earlier. (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 217.7 (1967=100) in October, 0.8 percent higher than in September. The index was 8.1 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 0.1 percent. (See table B-4.) The data in table B-4 have been revised to conform to the industry definitions of the 1972 Standard Industrial Classification (SIC) Manual and to reflect employment benchmark levels (comprehensive counts of payroll employment) for March 1977. In addition, all seasonally adjusted data have been revised, based on experience through May 1978. Historical series of revised seasonally adjusted data, together with the new seasonal factors for use in current adjustment, are available from the ELS upon request.

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 May 1978.)

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 1977 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-7 are not strictly comparable with current data because of the introduction of an expansion in the sample and revisions in the estimation procedures. As a result, the overall civilian labor force and employment totals in January were raised by roughly a quarter of a million; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions in the Current Population Survey in January 1978," *Employment and Earnings*, February 1978 Vol. 25 No. 2.

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Oct. 1977	Sept. 1978	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
TOTAL									
Total noninstitutional population ¹	159,334	161,570	161,829	159,334	160,928	161,148	161,348	161,570	161,829
Armed Forces ¹	2,134	2,123	2,122	2,134	2,098	2,116	2,122	2,123	2,122
Civilian noninstitutional population ¹	157,201	159,447	159,707	157,201	158,830	159,032	159,226	159,447	159,707
Civilian labor force	98,451	100,838	101,555	98,071	100,573	100,618	100,549	100,870	101,062
Participation rate	62.6	63.2	63.6	62.4	63.3	63.3	63.1	63.3	63.3
Employed	92,230	95,041	96,095	91,383	94,819	94,425	94,581	94,868	95,192
Employment-population ratio ²	57.9	58.8	59.4	57.4	58.9	58.6	58.6	58.7	58.8
Agriculture	3,408	3,549	3,553	3,243	3,473	3,387	3,360	3,411	3,380
Nonagricultural industries	88,822	91,492	92,541	88,140	91,346	91,038	91,221	91,457	91,812
Unemployed	6,221	5,797	5,460	6,688	5,754	6,193	5,968	6,002	5,870
Unemployment rate	6.3	5.7	5.4	6.8	5.7	6.2	5.9	6.0	5.8
Not in labor force	58,750	58,609	58,152	59,130	58,257	58,414	58,677	58,577	58,645
Men, 20 years and over									
Total noninstitutional population ¹	67,852	68,937	69,081	67,852	68,623	68,729	68,827	68,937	69,081
Civilian noninstitutional population ¹	66,161	67,236	67,382	66,161	66,947	67,039	67,127	67,236	67,382
Civilian labor force	52,910	53,584	53,788	52,739	53,522	53,391	53,306	53,387	53,559
Participation rate	80.0	79.7	79.8	79.7	79.9	79.6	79.4	79.4	79.5
Employed	50,610	51,709	51,889	50,118	51,433	51,213	51,135	51,229	51,396
Employment-population ratio ²	74.6	75.0	75.1	73.9	75.0	74.5	74.3	74.3	74.4
Agriculture	2,427	2,512	2,462	2,326	2,437	2,420	2,358	2,422	2,360
Nonagricultural industries	48,182	49,197	49,428	47,792	48,996	48,793	48,777	48,807	49,036
Unemployed	2,300	1,875	1,899	2,621	2,089	2,178	2,158	2,158	2,163
Unemployment rate	4.3	3.5	3.5	5.0	3.9	4.1	4.1	4.0	4.0
Not in labor force	13,251	13,652	13,593	13,422	13,425	13,648	13,821	13,849	13,823
Women, 20 years and over									
Total noninstitutional population ¹	74,660	75,873	75,998	74,660	75,527	75,643	75,753	75,873	75,998
Civilian noninstitutional population ¹	74,561	75,764	75,889	74,561	75,422	75,537	75,645	75,764	75,889
Civilian labor force	36,549	38,138	38,503	35,984	37,439	37,542	37,461	37,953	37,880
Participation rate	49.0	50.3	50.7	48.3	49.6	49.7	49.5	50.1	49.9
Employed	34,109	35,728	36,372	33,537	35,137	35,110	35,192	35,688	35,743
Employment-population ratio ²	45.7	47.1	47.9	44.9	46.5	46.4	46.5	47.0	47.0
Agriculture	617	632	690	525	623	587	579	592	588
Nonagricultural industries	33,493	35,096	35,682	33,012	34,514	34,523	34,613	35,096	35,151
Unemployed	2,440	2,410	2,131	2,447	2,302	2,432	2,269	2,265	2,137
Unemployment rate	6.7	6.3	5.5	6.8	6.1	6.5	6.1	6.0	5.6
Not in labor force	38,012	37,626	37,387	38,577	37,983	37,995	38,184	37,811	38,009
Both sexes, 18-19 years									
Total noninstitutional population ¹	16,822	16,760	16,750	16,822	16,779	16,776	16,768	16,760	16,750
Civilian noninstitutional population ¹	16,480	16,446	16,436	16,480	16,461	16,455	16,455	16,446	16,436
Civilian labor force	8,992	9,115	9,264	8,948	9,612	9,685	9,782	9,750	9,623
Participation rate	54.6	55.4	56.4	56.7	58.4	58.9	59.4	59.9	58.5
Employed	7,511	7,604	7,834	7,728	8,254	8,102	8,254	7,951	8,053
Employment-population ratio ²	44.6	45.4	46.8	45.9	49.2	48.3	49.2	47.4	48.1
Agriculture	364	405	402	392	413	380	423	397	432
Nonagricultural industries	7,147	7,199	7,432	7,336	7,836	7,722	7,831	7,554	7,621
Unemployed	1,480	1,512	1,431	1,620	1,363	1,583	1,528	1,579	1,570
Unemployment rate	16.5	16.6	15.4	17.3	14.2	16.3	15.6	16.6	16.3
Not in labor force	7,488	7,331	7,172	7,122	6,849	6,770	6,673	6,916	6,813
WHITE									
Total noninstitutional population ¹	139,962	141,693	141,873	139,962	141,194	141,366	141,520	141,693	141,873
Civilian noninstitutional population ¹	138,218	139,990	140,170	138,218	139,503	139,660	139,817	139,990	140,170
Civilian labor force	87,081	88,803	89,475	86,812	88,623	88,521	88,672	88,813	89,119
Participation rate	63.0	63.4	63.8	62.8	63.5	63.4	63.4	63.4	63.6
Employed	82,307	84,325	85,297	81,614	84,270	83,862	84,042	84,141	84,568
Employment-population ratio ²	58.8	59.5	60.1	58.3	59.7	59.3	59.4	59.4	59.6
Unemployed	4,774	4,478	4,178	5,198	4,353	4,659	4,630	4,672	4,551
Unemployment rate	5.5	5.0	4.7	6.0	4.9	5.3	5.2	5.3	5.1
Not in labor force	51,137	51,187	50,696	51,406	50,880	51,139	51,145	51,177	51,051
BLACK AND OTHER									
Total noninstitutional population ¹	19,372	19,876	19,955	19,372	19,734	19,782	19,828	19,876	19,955
Civilian noninstitutional population ¹	18,983	19,457	19,536	18,983	19,327	19,371	19,409	19,457	19,536
Civilian labor force	11,370	12,035	12,080	11,398	11,980	11,997	11,975	12,058	12,078
Participation rate	59.9	61.9	61.8	60.0	62.0	61.9	61.7	62.0	61.8
Employed	9,923	10,716	10,798	9,842	10,553	10,496	10,578	10,708	10,705
Employment-population ratio ²	51.2	53.9	54.1	50.8	53.5	53.1	53.3	53.9	53.6
Unemployed	1,447	1,318	1,283	1,556	1,427	1,501	1,397	1,350	1,373
Unemployment rate	12.7	11.0	10.6	13.7	11.9	12.5	11.7	11.2	11.4
Not in labor force	7,613	7,422	7,456	7,585	7,347	7,374	7,434	7,399	7,458

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

² 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					
	Oct. 1977	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
CHARACTERISTICS								
Total, 16 years and over	6,688	5,870	6.8	5.7	6.2	5.9	6.0	5.8
Men, 20 years and over	2,621	2,163	5.0	3.9	4.1	4.1	4.0	4.0
Women, 20 years and over	2,447	2,137	6.8	6.1	6.5	6.1	6.0	5.6
Both sexes, 16-19 years	1,620	1,570	17.3	14.2	16.3	15.6	16.6	16.3
White, total	5,198	4,551	6.0	4.9	5.3	5.2	5.3	5.1
Men, 20 years and over	2,058	1,725	4.4	3.4	3.6	3.6	3.7	3.6
Women, 20 years and over	1,894	1,609	6.1	5.3	5.6	5.3	5.3	4.9
Both sexes, 16-19 years	1,246	1,217	14.9	11.6	13.4	13.6	14.3	14.1
Black and other, total	1,556	1,373	13.7	11.9	12.5	11.7	11.2	11.4
Men, 20 years and over	624	488	11.3	7.8	8.4	9.0	8.3	8.4
Women, 20 years and over	555	530	11.4	11.3	11.6	10.4	9.9	10.1
Both sexes, 16-19 years	377	355	38.0	37.1	37.0	32.4	34.6	34.3
Married men, spouse present	1,448	1,063	3.6	2.7	2.7	2.8	2.7	2.7
Married women, spouse present	1,423	1,246	6.3	5.6	5.6	5.8	5.6	5.3
Women who head families	424	368	9.3	8.8	10.1	8.2	7.9	7.6
Full-time workers	5,387	4,582	6.4	5.2	5.7	5.5	5.5	5.3
Part-time workers	1,412	1,371	9.6	8.8	8.8	8.6	8.8	9.1
Unemployed 15 weeks and over ¹	1,848	1,370	1.9	1.2	1.3	1.2	1.3	1.4
Labor force time lost ²	--	--	7.4	6.4	6.8	6.6	6.5	6.3
OCCUPATION³								
White-collar workers	1,989	1,632	4.1	3.5	3.8	3.5	3.5	3.3
Professional and technical	434	425	3.0	2.4	2.5	2.6	2.7	2.9
Managers and administrators, except farm	265	178	2.6	1.8	2.2	1.8	2.2	1.8
Sales workers	300	261	5.0	4.4	4.4	4.2	4.4	4.2
Clerical workers	990	768	5.7	5.0	5.4	5.0	4.7	4.2
Blue-collar workers	2,640	2,363	8.0	6.5	6.9	7.0	7.0	6.9
Craft and kindred workers	674	655	5.4	4.2	4.0	4.4	4.7	5.0
Operatives, except transport	1,125	931	9.8	7.9	8.5	9.0	8.5	7.7
Transport equipment operatives	225	183	6.1	4.6	6.1	5.9	5.2	4.9
Nonfarm laborers	616	594	11.8	9.9	10.6	9.5	10.7	11.3
Service workers	1,093	987	8.1	7.2	7.5	7.1	7.4	7.1
Farm workers	126	139	4.4	3.0	3.8	3.3	4.0	4.7
INDUSTRY³								
Nonagricultural private wage and salary workers ⁴	4,912	4,249	6.9	5.6	6.0	5.9	5.9	5.7
Construction	543	563	12.1	9.3	9.5	9.1	10.7	11.5
Manufacturing	1,476	1,186	6.8	5.6	5.6	5.7	5.5	5.3
Durable goods	776	635	6.1	4.8	5.1	5.5	5.0	4.8
Nondurable goods	700	551	7.8	6.7	6.4	5.9	6.3	6.0
Transportation and public utilities	247	190	4.8	3.7	4.1	3.8	3.6	3.6
Wholesale and retail trade	1,432	1,256	7.9	6.3	6.8	6.6	6.8	6.8
Finance and service industries	1,189	1,018	5.7	4.7	5.4	5.2	5.1	4.6
Government workers	660	635	4.1	4.0	4.1	3.6	3.8	4.0
Agricultural wage and salary workers	160	154	10.3	8.0	10.1	8.3	8.6	9.8
VETERAN STATUS								
Male Vietnam-era veterans: ⁵								
20 to 34 years	466	309	7.1	4.3	5.1	6.3	4.9	5.1
20 to 24 years	141	58	15.3	9.4	11.4	13.9	10.5	9.8
25 to 29 years	185	145	6.6	5.3	6.4	7.3	7.3	6.9
30 to 34 years	140	106	5.0	2.6	2.9	4.1	2.4	3.1
Male nonveterans:								
20 to 34 years	1,169	991	7.3	5.5	5.9	5.8	5.8	5.9
20 to 24 years	647	591	9.3	7.9	8.4	8.1	8.2	8.1
25 to 29 years	327	265	6.4	3.8	4.4	4.8	4.2	4.5
30 to 34 years	195	135	4.9	3.7	3.3	2.7	3.6	3.6

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

by industry covers only unemployed wage and salary workers.

⁴ Includes mining, not shown separately.⁵ 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. 1977	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
CHARACTERISTICS								
Total employed, 16 years and over	92,230	96,095	91,383	94,819	94,425	94,581	94,868	95,192
Men	54,685	56,045	54,341	55,869	55,534	55,529	55,504	55,701
Women	37,545	40,049	37,042	38,950	38,891	39,052	39,364	39,491
Married men, spouse present	38,808	39,135	38,425	38,711	38,642	38,467	38,726	38,748
Married women, spouse present	21,730	22,774	21,119	21,718	21,766	21,667	22,175	22,132
OCCUPATION								
White-collar workers	46,332	48,038	46,083	47,209	47,192	47,236	47,455	47,776
Professional and technical	14,251	14,548	14,042	14,365	14,239	14,255	14,105	14,333
Managers and administrators, except farm	9,981	10,018	9,911	10,107	10,182	10,174	10,056	9,948
Sales workers	5,727	5,971	5,718	5,931	6,017	5,872	5,872	5,959
Clerical workers	16,373	17,501	16,412	16,806	16,754	16,935	17,422	17,536
Blue-collar workers	30,536	32,165	30,247	31,683	31,225	31,482	31,738	31,863
Craft and kindred workers	11,969	12,615	11,860	12,467	12,229	12,559	12,640	12,502
Operatives, except transport	10,459	11,265	10,320	11,006	10,841	10,702	10,823	11,120
Transport equipment operatives	3,499	3,626	3,457	3,512	3,452	3,404	3,577	3,583
Nonfarm laborers	4,609	4,658	4,610	4,698	4,703	4,817	4,698	4,658
Service workers	12,485	12,934	12,473	12,993	12,838	12,884	12,799	12,920
Farm workers	2,878	2,959	2,755	2,895	2,802	2,809	2,874	2,833
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,465	1,503	1,387	1,482	1,364	1,423	1,442	1,423
Self-employed workers	1,609	1,699	1,577	1,669	1,652	1,617	1,655	1,666
Unpaid family workers	334	353	305	336	348	317	298	323
Nonagricultural industries:								
Wage and salary workers	82,309	85,855	81,727	84,513	84,016	84,406	84,842	85,253
Government	15,556	15,515	15,463	15,224	15,129	15,282	15,413	15,422
Private industries	66,753	70,340	66,264	69,289	68,887	69,124	69,429	69,831
Private households	1,397	1,335	1,358	1,368	1,394	1,369	1,370	1,297
Other industries	65,356	69,005	64,906	67,921	67,493	67,755	68,059	68,534
Self-employed workers	6,069	6,258	6,080	6,198	6,206	6,221	6,200	6,271
Unpaid family workers	444	427	460	468	496	440	471	442
PERSONS AT WORK ¹								
Nonagricultural industries	84,744	88,479	82,788	86,051	86,205	86,469	86,310	86,441
Full-time schedules	69,134c	72,545	67,827	70,861	71,095	71,338	70,939	71,192
Part time for economic reasons	2,970	2,917	3,263	3,458	3,330	3,294	3,231	3,207
Usually work full time	1,148	1,087	1,237	1,433	1,385	1,391	1,311	1,171
Usually work part time	1,822	1,830	2,026	2,025	1,945	1,903	1,920	2,036
Part time for noneconomic reasons	12,640	13,017	11,698	11,732	11,780	11,837	12,140	12,042

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

C=corrected.

Table A-4. Duration of unemployment

[Numbers in thousands]

Weeks of unemployment	Not seasonally adjusted		Seasonally adjusted					
	Oct. 1977	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
DURATION								
Less than 5 weeks	2,737	2,644	2,804	2,727	3,025	2,822	2,786	2,709
5 to 14 weeks	1,936	1,669	2,117	1,916	1,854	1,988	1,928	1,824
15 weeks and over	1,547	1,147	1,848	1,231	1,292	1,215	1,293	1,370
15 to 26 weeks	729	612	920	651	665	631	687	763
27 weeks and over	818	535	928	580	627	584	606	607
Average (mean) duration, in weeks	13.3	11.4	13.8	12.0	11.8	11.2	11.6	11.8
Median duration, in weeks	6.2	5.3	7.1	5.8	5.9	6.0	5.9	6.1
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	44.0	48.4	41.4	46.4	49.0	46.8	46.4	45.9
5 to 14 weeks	31.1	30.6	31.3	32.6	30.0	33.0	32.1	30.9
15 weeks and over	24.9	21.0	27.3	21.0	20.9	20.2	21.5	23.2
15 to 26 weeks	11.7	11.2	13.6	11.1	10.8	10.5	11.4	12.9
27 weeks and over	13.2	9.8	13.7	9.9	10.2	9.7	10.1	10.3

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Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Oct. 1977	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
NUMBER OF UNEMPLOYED								
Lost last job	2,521	2,109	3,035	2,340	2,552	2,553	2,397	2,538
On layoff	604	460	840	606	714	770	719	640
Other job losers	1,917	1,649	2,195	1,734	1,838	1,783	1,678	1,898
Left last job	952	868	876	849	869	841	852	799
Reentered labor force	1,940	1,741	1,906	1,760	1,883	1,733	1,927	1,710
Seeking first job	807	743	857	810	880	893	805	793
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	40.5	38.6	45.5	40.6	41.3	42.4	40.1	43.5
On layoff	9.7	8.4	12.6	10.5	11.5	12.8	12.0	11.0
Other job losers	30.8	30.2	32.9	30.1	29.7	29.6	28.1	32.5
Job leavers	15.3	15.9	13.1	14.7	14.1	14.0	14.2	13.7
Reentrants	31.2	31.9	28.6	30.6	30.4	28.8	32.2	29.3
New entrants	13.0	13.6	12.8	14.1	14.2	14.8	13.5	13.6
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.5	2.1	3.1	2.3	2.5	2.5	2.4	2.5
Job leavers	1.0	.9	.9	.8	.9	.8	.8	.8
Reentrants	2.0	1.7	1.9	1.8	1.9	1.7	1.9	1.7
New entrants8	.7	.9	.8	.9	.9	.8	.8

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

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	Oct. 1977	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
Total, 16 years and over	6,688	5,870	6.8	5.7	6.2	5.9	6.0	5.8
16 to 19 years	1,620	1,570	17.3	14.2	16.3	15.6	16.6	16.3
16 to 17 years	736	776	18.8	16.7	20.1	18.9	19.2	19.0
18 to 19 years	879	789	16.2	12.9	13.6	13.3	14.3	14.2
20 to 24 years	1,515	1,304	10.4	9.2	9.9	9.0	9.3	8.7
25 years and over	3,641	3,068	4.9	3.9	4.2	4.2	4.0	4.0
25 to 54 years	3,037	2,621	5.1	4.1	4.4	4.4	4.2	4.2
55 years and over	615	456	4.2	3.1	3.2	3.0	3.3	3.1
Men, 16 years and over	3,469	3,013	6.0	4.7	5.1	5.0	5.1	5.1
16 to 19 years	848	850	16.7	12.6	15.4	14.7	15.8	16.5
16 to 17 years	404	441	18.6	16.1	18.8	17.7	19.1	20.2
18 to 19 years	435	400	15.1	11.3	13.0	12.4	12.6	13.5
20 to 24 years	788	697	9.9	8.1	8.9	8.7	8.6	8.6
25 years and over	1,929	1,545	4.3	3.1	3.3	3.4	3.4	3.4
25 to 54 years	1,556	1,276	4.3	3.2	3.3	3.5	3.4	3.5
55 years and over	369	266	4.1	3.0	3.4	2.9	3.0	2.9
Women, 16 years and over	3,219	2,857	8.0	7.2	7.7	7.2	7.2	6.7
16 to 19 years	772	720	18.0	16.0	17.4	16.7	17.4	16.1
16 to 17 years	332	335	19.1	17.4	21.6	20.3	19.3	17.7
18 to 19 years	444	389	17.4	14.8	14.4	14.4	16.1	15.0
20 to 24 years	727	607	11.0	10.4	11.0	9.2	10.1	8.7
25 years and over	1,712	1,523	5.8	5.2	5.6	5.3	5.0	4.9
25 to 54 years	1,481	1,345	6.2	5.6	6.0	5.8	5.3	5.3
55 years and over	246	190	4.5	3.1	2.9	3.3	3.9	3.4

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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		
	1977		1978			1978		
	III	IV	I	II	III	Aug.	Sept.	Oct.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force	1.9	1.9	1.6	1.3	1.3	1.2	1.3	1.4
U-2—Job losers as a percent of the civilian labor force	3.2	3.0	2.6	2.5	2.5	2.5	2.4	2.5
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over	4.9	4.7	4.0	4.0	4.1	4.2	4.0	4.0
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force	6.5	6.2	5.7	5.4	5.6	5.5	5.5	5.3
U-5—Total unemployed as a percent of the civilian labor force (official measure)	6.9	6.6	6.2	5.9	6.0	5.9	6.0	5.8
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	8.6	8.2	7.6	7.5	7.6	7.5	7.5	7.3
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	9.2	8.5	8.3	8.5	N.A.	N.A.	N.A.

N.A. = not available.

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Table A-8. Employment status of the noninstitutional population for ten large States

[Numbers in thousands]

State and employment status	Not seasonally adjusted ¹			Seasonally adjusted					
	Oct. 1977	Sept. 1978	Oct. 1978	Oct. 1977	June 1978	July 1978	Aug. 1978	Sept. 1978	Oct. 1978
California									
Civilian noninstitutional population ¹	16,034	16,312	16,344	16,034	16,232	16,259	16,283	16,312	16,344
Civilian labor force	10,225	10,632	10,639	10,227	10,544	10,561	10,586	10,667	10,642
Employed	9,477	9,954	10,007	9,420	9,783	9,742	9,807	9,948	9,950
Unemployed	748	678	633	807	761	819	779	719	692
Unemployment rate	7.3	6.4	5.9	7.9	7.2	7.8	7.4	6.7	6.5
Florida									
Civilian noninstitutional population ¹	6,416	6,605	6,625	6,416	6,552	6,569	6,585	6,605	6,625
Civilian labor force	3,632	3,807	3,764	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,351	3,518	3,500	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	281	290	264	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	7.7	7.6	7.0	(2)	(2)	(2)	(2)	(2)	(2)
Illinois									
Civilian noninstitutional population ¹	8,180	8,236	8,245	8,180	8,219	8,224	8,230	8,236	8,245
Civilian labor force	5,274	5,335	5,416	5,269	5,321	5,289	5,377	5,353	5,410
Employed	4,960	5,063	5,127	4,942	5,044	4,975	5,052	5,060	5,109
Unemployed	314	272	289	327	277	314	325	293	301
Unemployment rate	6.0	5.1	5.3	6.2	5.2	5.9	6.0	5.5	5.6
Massachusetts									
Civilian noninstitutional population ¹	4,308	4,347	4,353	4,308	4,335	4,339	4,343	4,347	4,353
Civilian labor force	2,795	2,814	2,805	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,610	2,651	2,684	2,587	2,690	2,691	2,670	2,679	2,660
Unemployed	185	162	121	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	6.6	5.8	4.3	(2)	(2)	(2)	(2)	(2)	(2)
Michigan									
Civilian noninstitutional population ¹	6,575	6,644	6,654	6,575	6,624	6,630	6,637	6,644	6,654
Civilian labor force	4,174	4,182	4,182	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,903	3,940	3,953	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	271	242	229	341	276	289	348	280	299
Unemployment rate	6.5	5.8	5.5	(2)	(2)	(2)	(2)	(2)	(2)
New Jersey									
Civilian noninstitutional population ¹	5,429	5,478	5,485	5,429	5,464	5,468	5,473	5,478	5,485
Civilian labor force	3,387	3,526	3,538	3,411	3,374	3,385	3,418	3,544	3,563
Employed	3,085	3,275	3,318	3,083	3,128	3,127	3,177	3,282	3,317
Unemployed	302	252	220	328	246	258	241	262	246
Unemployment rate	8.9	7.1	6.2	9.6	7.3	7.6	7.1	7.4	6.9
New York									
Civilian noninstitutional population ¹	13,315	13,347	13,356	13,315	13,334	13,339	13,341	13,347	13,356
Civilian labor force	7,744	7,850	7,938	7,794	7,784	7,792	7,857	7,888	7,988
Employed	7,102	7,247	7,314	7,108	7,211	7,200	7,257	7,275	7,321
Unemployed	643	603	624	686	573	592	600	613	667
Unemployment rate	8.3	7.7	7.9	8.8	7.4	7.6	7.6	7.8	8.4
Ohio									
Civilian noninstitutional population ¹	7,801	7,856	7,863	7,801	7,838	7,844	7,849	7,856	7,863
Civilian labor force	4,883	5,031	5,086	4,880	4,875	4,930	4,891	5,038	5,084
Employed	4,614	4,758	4,846	4,582	4,634	4,654	4,627	4,748	4,814
Unemployed	269	273	241	298	241	276	264	290	270
Unemployment rate	5.5	5.4	4.7	6.1	4.9	5.6	5.4	5.8	5.3
Pennsylvania									
Civilian noninstitutional population ¹	8,834	8,885	8,893	8,834	8,868	8,874	8,878	8,885	8,893
Civilian labor force	5,200	5,273	5,342	5,180	5,221	5,284	5,248	5,305	5,321
Employed	4,833	4,900	4,971	4,785	4,919	4,893	4,897	4,899	4,922
Unemployed	367	373	371	395	302	391	351	406	399
Unemployment rate	7.1	7.1	6.9	7.6	5.8	7.4	6.7	7.7	7.5
Texas									
Civilian noninstitutional population ¹	9,064	9,251	9,272	9,064	9,198	9,215	9,233	9,251	9,272
Civilian labor force	5,877	5,936	6,079	5,846	5,994	5,989	5,979	5,928	6,046
Employed	5,573	5,651	5,819	5,525	5,719	5,690	5,684	5,648	5,772
Unemployed	304	285	260	321	275	299	295	280	274
Unemployment rate	5.2	4.8	4.3	5.5	4.6	5.0	4.9	4.7	4.5

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

² These are the official Bureau of Labor Statistics' estimates used in the administration of Federal fund allocation programs.

² 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					
	OCT. 1977	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p	OCT. 1977	JUNE 1978	JULY 1978	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p
TOTAL	83,891	86,134	86,691	87,327	83,199	85,996	86,033	86,149	86,167	86,597
GOODS-PRODUCING	24,968	25,997	26,114	26,152	24,507	25,473	25,501	25,463	25,455	25,660
MINING	837	902	898	901	833	879	882	887	891	897
CONSTRUCTION	4,139	4,633	4,572	4,605	3,905	4,278	4,317	4,298	4,285	4,344
MANUFACTURING	19,992	20,462	20,644	20,646	19,769	20,316	20,302	20,278	20,279	20,419
<i>Production workers</i>	14,396	14,673	14,870	14,884	14,177	14,596	14,569	14,532	14,533	14,658
DURABLE GOODS	11,794	12,162	12,340	12,402	11,693	12,109	12,138	12,146	12,161	12,297
<i>Production workers</i>	8,476	8,684	8,864	8,925	8,371	8,683	8,694	8,693	8,702	8,814
Lumber and wood products	748.8	773.5	765.4	761.7	736	747	743	743	745	749
Furniture and fixtures	478.0	484.4	487.2	490.0	471	486	485	481	479	483
Stone, clay, and glass products	685.4	712.5	708.5	711.2	673	701	698	692	691	698
Primary metal industries	1,181.7	1,208.4	1,224.1	1,226.3	1,182	1,197	1,199	1,205	1,214	1,226
Fabricated metal products	1,614.9	1,651.2	1,674.7	1,687.3	1,597	1,645	1,643	1,646	1,650	1,669
Machinery, except electrical	2,212.2	2,331.8	2,362.5	2,380.4	2,219	2,332	2,345	2,351	2,355	2,388
Electric and electronic equipment	1,909.8	1,972.9	1,993.7	2,002.8	1,891	1,962	1,977	1,975	1,972	1,983
Transportation equipment	1,885.4	1,903.4	1,993.4	2,004.2	1,867	1,929	1,937	1,941	1,944	1,984
Instruments and related products	621.7	662.3	661.4	664.3	620	654	660	661	660	662
Miscellaneous manufacturing	455.7	461.4	469.5	474.1	437	456	451	451	451	455
NONDURABLE GOODS	8,198	8,300	8,304	8,244	8,076	8,207	8,164	8,132	8,118	8,122
<i>Production workers</i>	5,920	5,989	6,006	5,959	5,806	5,913	5,875	5,839	5,831	5,844
Food and kindred products	1,750.6	1,787.1	1,791.2	1,738.5	1,682	1,702	1,688	1,670	1,666	1,670
Tobacco manufacturers	79.5	74.9	78.2	78.5	72	76	73	69	71	71
Textile mill products	917.5	910.5	913.7	905.0	914	908	909	903	907	905
Apparel and other textile products	1,333.8	1,317.1	1,326.6	1,327.5	1,314	1,325	1,307	1,309	1,310	1,308
Paper and allied products	698.5	705.1	702.7	696.0	694	709	710	698	696	692
Printing and publishing	1,150.9	1,187.0	1,179.3	1,185.5	1,148	1,186	1,187	1,188	1,178	1,182
Chemicals and allied products	1,075.9	1,099.5	1,093.3	1,091.0	1,073	1,091	1,091	1,089	1,088	1,088
Petroleum and coal products	206.0	214.0	211.6	208.9	204	209	207	205	205	207
Rubber and misc. plastics products	730.8	750.2	756.4	760.9	720	749	749	746	742	750
Leather and leather products	254.6	254.2	250.9	248.2	255	252	243	251	251	249
SERVICE-PRODUCING	58,923	60,137	60,577	61,175	58,692	60,523	60,532	60,686	60,712	60,937
TRANSPORTATION AND PUBLIC UTILITIES	4,749	4,870	4,908	4,936	4,721	4,881	4,827	4,846	4,855	4,907
WHOLESALE AND RETAIL TRADE	18,799	19,519	19,627	19,707	18,733	19,412	19,465	19,523	19,535	19,638
WHOLESALE TRADE	4,769	4,930	4,947	4,981	4,745	4,905	4,901	4,905	4,932	4,956
RETAIL TRADE	14,030	14,589	14,680	14,726	13,988	14,507	14,568	14,618	14,607	14,682
FINANCE, INSURANCE, AND REAL ESTATE ..	4,503	4,754	4,726	4,732	4,508	4,670	4,690	4,707	4,721	4,737
SERVICES	15,541	16,235	16,175	16,229	15,510	15,963	15,989	16,074	16,143	16,197
GOVERNMENT	15,331	14,755	15,141	15,571	15,220	15,597	15,557	15,536	15,454	15,458
FEDERAL	2,714	2,793	2,744	2,732	2,728	2,772	2,765	2,765	2,752	2,746
STATE AND LOCAL	12,617	11,966	12,397	12,839	12,492	12,825	12,792	12,771	12,702	12,712

^p=preliminary.

NOTE: Establishment data shown in tables B-1 through B-6 have been revised to conform to the 1972 Standard Industrial Classification and adjusted to March 1977 benchmark levels; consequently, they are not comparable with previously published data. For a discussion of the effect of these revisions, see "BLS Establishment Estimates Revised to Reflect New Benchmark Levels and 1972 SIC," *Employment and Earnings*, October 1978, Vol. 25, No. 10.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

Table B-2. Average weekly hours of production or nonsupervisory workers,¹ on private nonagricultural payrolls, by industry

Industry	Not seasonally adjusted				Seasonally adjusted					
	JCT. 1977	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p	OCT. 1977	JUNE 1978	JULY 1978	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p
TOTAL PRIVATE	36.1	36.2	35.9	35.9	36.1	35.9	35.9	35.8	35.8	35.8
MINING	44.4	43.4	43.2	44.0	43.7	43.4	43.0	43.6	42.7	43.3
CONSTRUCTION	37.2	37.9	37.5	37.9	36.3	37.3	37.3	37.1	37.0	36.9
MANUFACTURING	40.6	40.4	40.8	40.6	40.5	40.5	40.5	40.3	40.4	40.5
Overtime hours	3.7	3.6	3.9	3.8	3.5	3.6	3.6	3.4	3.6	3.6
DURABLE GOODS	41.3	40.9	41.4	41.4	41.2	41.2	41.2	41.0	41.1	41.2
Overtime hours	4.0	3.7	4.2	4.1	3.8	3.7	3.8	3.6	3.8	3.9
Lumber and wood products	40.4	39.9	40.1	40.1	40.1	40.0	39.8	39.3	39.7	39.8
Furniture and fixtures	40.1	39.5	39.4	39.4	39.5	39.5	39.3	39.0	38.8	38.8
Stone, clay, and glass products	41.5	42.1	42.1	42.5	41.0	41.9	41.7	41.6	41.8	42.0
Primary metal industries	41.3	41.8	42.2	42.2	41.5	41.8	41.8	42.0	41.8	42.4
Fabricated metal products	41.2	40.9	41.2	40.9	41.0	41.0	41.0	40.9	40.9	40.7
Machinery, except electrical	41.9	41.6	42.2	42.0	41.9	42.3	42.2	41.8	42.0	42.0
Electric and electronic equipment	40.6	40.3	40.6	40.4	40.5	40.2	40.7	40.4	40.2	40.3
Transportation equipment	43.0	40.9	42.6	42.7	42.9	42.0	42.1	41.8	42.4	42.6
Instruments and related products	40.9	40.8	41.3	41.0	40.8	40.8	40.7	41.0	41.1	40.9
Miscellaneous manufacturing	39.2	38.9	39.2	39.2	38.9	38.8	38.8	39.0	39.0	38.9
NONDURABLE GOODS	39.6	39.6	39.8	39.5	39.4	39.4	39.4	39.3	39.4	39.3
Overtime hours	3.3	3.4	3.6	3.4	3.1	3.1	3.2	3.2	3.2	3.2
Food and kindred products	39.8	40.2	40.3	39.9	39.7	39.6	39.8	39.5	39.5	39.8
Tobacco manufacturers	38.9	37.5	38.4	39.0	38.1	39.6	38.6	37.7	37.8	38.2
Textile mill products	40.6	40.6	40.6	40.2	40.6	40.3	40.2	40.4	40.3	40.2
Apparel and other textile products	36.0	36.0	35.9	35.7	35.6	35.8	35.8	35.6	35.7	35.3
Paper and allied products	43.0	42.9	43.1	42.9	42.8	42.9	42.9	42.7	42.7	42.7
Printing and publishing	38.0	37.7	38.1	37.7	37.9	37.5	37.6	37.4	37.8	37.6
Chemicals and allied products	41.7	41.7	42.0	41.8	41.7	41.9	41.8	41.9	41.9	41.8
Petroleum and coal products	43.3	44.0	44.4	44.7	42.9	43.4	43.9	44.3	43.8	44.3
Rubber and misc. plastics products	41.1	40.9	41.4	41.3	40.8	41.1	40.9	40.9	41.1	41.0
Leather and leather products	37.2	37.3	37.1	36.3	37.2	37.4	37.2	37.1	37.3	36.3
TRANSPORTATION AND PUBLIC UTILITIES	39.8	40.3	40.2	40.1	39.8	40.1	39.6	39.9	40.1	40.1
WHOLESALE AND RETAIL TRADE	33.2	33.5	32.8	32.6	33.4	32.8	32.9	32.8	32.8	32.8
WHOLESALE TRADE	39.0	39.0	38.9	38.9	38.9	38.8	38.7	38.8	38.9	38.8
RETAIL TRADE	31.4	31.8	30.9	30.7	31.7	31.0	31.1	30.9	30.9	30.9
FINANCE, INSURANCE, AND REAL ESTATE	36.5	36.6	36.4	36.6	36.5	36.5	36.6	36.5	36.5	36.6
SERVICES	33.1	33.2	32.7	32.7	33.2	32.8	32.8	32.7	32.8	32.8

¹ Data relate to production workers in mining and manufacturing; to construction workers in construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services. These groups account for approximately four-fifths of the total employment on private nonagricultural payrolls.

p = preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

Table B-3. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry

Industry	Average hourly earnings				Average weekly earnings			
	OCT. 1977	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p	OCT. 1977	AUG. 1978	SEPT. 1978 ^p	OCT. 1978 ^p
TOTAL PRIVATE	\$5.39	\$5.71	\$5.81	\$5.86	\$194.58	\$206.70	\$208.58	\$210.37
<i>Seasonally adjusted</i>	5.36	5.73	5.77	5.82	193.50	205.13	206.57	208.36
MINING	7.14	7.79	7.94	7.92	317.02	338.09	343.01	348.48
CONSTRUCTION	8.29	8.72	8.87	8.89	308.39	330.49	332.63	336.53
MANUFACTURING	5.82	6.16	6.28	6.33	236.29	248.86	256.22	257.00
DURABLE GOODS	6.22	6.57	6.71	6.76	256.89	268.71	277.79	279.86
Lumber and wood products	5.26	5.68	5.74	5.73	212.50	226.63	230.17	229.77
Furniture and fixtures	4.44	4.72	4.76	4.79	178.04	186.44	187.54	188.73
Stone, clay, and glass products	5.94	6.40	6.46	6.49	246.51	269.44	271.97	275.83
Primary metal industries	7.65	8.31	8.44	8.49	315.95	347.36	356.17	358.28
Fabricated metal products	6.05	6.35	6.45	6.47	249.26	259.72	265.74	264.62
Machinery, except electrical	6.45	6.74	6.88	6.92	270.26	280.38	290.34	290.64
Electric and electronic equipment	5.52	5.87	5.94	5.97	224.11	236.56	241.16	241.19
Transportation equipment	7.54	7.78	8.05	8.21	324.22	318.20	342.93	350.57
Instruments and related products	5.38	5.73	5.77	5.77	220.04	233.78	238.30	236.57
Miscellaneous manufacturing	4.42	4.70	4.74	4.77	173.26	182.83	185.81	186.98
NONDURABLE GOODS	5.21	5.56	5.62	5.65	206.32	220.18	223.68	223.18
Food and kindred products	5.44	5.80	5.87	5.87	216.51	233.16	236.56	234.21
Tobacco manufacturers	5.48	6.30	6.10	6.11	213.17	236.25	234.24	238.29
Textile mill products	4.10	4.37	4.42	4.42	166.46	177.42	179.45	177.68
Apparel and other textile products	3.69	3.93	4.00	4.03	132.84	141.48	143.60	143.87
Paper and allied products	6.14	6.59	6.68	6.70	264.02	282.71	287.91	287.43
Printing and publishing	6.24	6.51	6.58	6.61	237.12	245.43	250.70	249.20
Chemicals and allied products	6.62	7.06	7.13	7.18	276.05	294.40	299.46	300.12
Petroleum and coal products	7.91	8.59	8.66	8.77	342.50	377.96	384.50	392.02
Rubber and misc. plastics products	5.22	5.54	5.58	5.64	214.54	226.59	231.01	232.93
Leather and leather products	3.66	3.87	3.92	3.97	136.15	144.35	145.43	144.11
TRANSPORTATION AND PUBLIC UTILITIES	7.22	7.63	7.69	7.72	287.36	307.49	309.14	309.57
WHOLESALE AND RETAIL TRADE	4.37	4.67	4.74	4.77	145.08	156.45	155.47	155.50
WHOLESALE TRADE	5.53	5.92	6.01	6.05	215.67	230.88	233.75	235.35
RETAIL TRADE	3.92	4.19	4.24	4.27	123.09	133.24	131.02	131.09
FINANCE, INSURANCE, AND REAL ESTATE	4.64	4.91	4.97	5.04	169.36	179.71	180.51	184.46
SERVICES	4.76	4.94	5.06	5.09	157.56	164.01	165.46	166.44

¹ See footnote 1, table B-2.

² See footnote 2, 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	OCT. 1977	MAY 1978	JUNE 1978	JULY 1978	AUG. 1978	SEPT. P 1978	OCT. P 1978	Percent change from—	
								OCT. 1977- OCT. 1978	SEPT. 1978- OCT. 1978
TOTAL PRIVATE NONFARM:									
Current dollars	201.5	211.0	212.3	214.1	214.6	216.0	217.7	8.1	0.8
Constant (1967) dollars	109.2	109.0	108.7	109.0	108.7	108.7	N.A.	(2)	(3)
MINING	220.9	237.3	239.8	244.3	244.5	246.9	248.5	12.5	.7
CONSTRUCTION	196.3	206.0	207.6	207.9	209.2	209.6	210.8	7.4	.6
MANUFACTURING	204.0	213.5	214.7	216.7	217.5	218.9	220.7	8.2	.8
TRANSPORTATION AND PUBLIC UTILITIES	218.8	229.2	229.6	230.4	231.2	232.8	233.6	6.8	.4
WHOLESALE AND RETAIL TRADE	193.5	204.0	205.2	207.6	208.3	209.6	211.0	9.1	.7
FINANCE, INSURANCE, AND REAL ESTATE	185.1	192.4	194.6	196.9	196.0	198.0	200.7	8.4	1.4
SERVICES	202.2	210.4	211.5	213.2	212.9	214.9	216.8	7.2	.9

¹ See footnote 1, table B-2.² PERCENT CHANGE WAS .1 FROM SEPTEMBER 1977 TO SEPTEMBER 1978, THE LATEST MONTH AVAILABLE.³ PERCENT CHANGE WAS .0 FROM AUGUST 1978 TO SEPTEMBER 1978, THE LATEST MONTH AVAILABLE.

N.A. = not available.

p=preliminary.

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

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

(1967=100)

Industry division and group	1977			1978									
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT. P	OCT. P
TOTAL PRIVATE	117.0	117.4	117.5	116.2	117.1	119.1	120.4	120.0	120.6	120.6	120.4	120.8	121.4
GOODS-PRODUCING	101.2	102.0	101.6	99.3	100.9	103.6	106.0	105.1	106.0	106.1	105.4	105.5	106.5
MINING	138.8	139.7	107.8	105.6	106.8	111.3	144.2	143.1	144.0	143.5	145.7	144.0	147.1
CONSTRUCTION	107.6	108.7	108.6	100.3	104.2	111.5	118.8	117.1	122.8	124.2	122.8	122.2	123.7
MANUFACTURING	98.8	99.5	100.2	98.9	100.1	102.0	102.5	101.6	101.7	101.6	101.0	101.2	102.1
DURABLE GOODS	100.1	100.8	101.7	100.5	101.9	103.9	104.2	103.5	103.8	104.0	103.5	103.9	105.5
Lumber and wood products	111.9	113.2	114.5	113.2	114.0	114.3	115.0	111.8	113.6	112.3	110.7	111.8	112.8
Furniture and fixtures	105.9	107.0	108.9	106.1	111.1	112.5	112.5	110.3	109.5	108.3	106.4	105.6	106.7
Stone, clay, and glass products	105.3	108.6	109.0	106.4	108.4	111.0	112.7	111.4	112.4	111.1	109.8	110.1	111.5
Primary metal industries	91.7	91.6	91.9	92.2	93.4	92.8	92.9	93.9	94.1	94.4	95.3	95.7	98.3
Fabricated metal products	99.2	100.1	101.1	99.4	101.4	102.9	103.5	103.3	102.4	102.0	101.8	102.0	103.2
Machinery, except electrical	104.6	105.1	106.2	104.6	107.1	109.4	110.1	109.5	111.3	112.1	110.8	111.5	113.5
Electric and electronic equipment	97.4	98.1	98.6	97.3	98.8	101.2	100.4	99.8	99.8	101.8	101.1	100.3	101.1
Transportation equipment	94.5	94.1	95.7	94.9	93.7	97.2	97.5	96.6	95.8	96.2	96.1	97.6	99.7
Instruments and related products	115.0	115.1	116.0	116.3	117.5	120.5	121.7	120.8	122.4	123.6	123.9	123.9	125.1
Miscellaneous manufacturing industry	96.5	97.7	99.0	97.4	99.0	102.0	102.6	101.5	101.4	99.8	100.6	100.6	101.2
NONDURABLE GOODS	96.8	97.6	97.9	96.5	97.4	99.2	99.9	98.9	98.7	98.1	97.2	97.3	97.2
Food and kindred products	92.5	94.3	94.6	94.5	94.7	96.2	96.4	94.6	94.0	93.6	91.4	91.4	92.5
Tobacco manufacturers	76.3	77.1	78.7	77.9	79.4	82.0	80.2	81.5	84.1	78.6	71.5	74.3	76.4
Textile mill products	92.9	93.7	93.0	92.6	92.5	93.7	93.4	92.6	91.8	91.5	91.2	91.7	91.4
Apparel and other textile products	89.9	90.8	91.1	85.6	90.1	91.6	93.2	91.9	91.4	90.1	90.1	90.2	89.3
Paper and allied products	98.8	98.6	99.6	98.7	99.1	101.6	102.4	101.9	101.9	101.9	99.2	99.2	98.4
Printing and publishing	97.0	96.9	96.7	96.7	96.9	99.3	99.1	98.2	98.6	99.1	98.3	97.8	98.1
Chemicals and allied products	104.0	104.0	104.5	104.4	104.8	106.0	106.5	106.9	106.9	106.6	106.0	106.0	106.0
Petroleum and coal products	117.5	117.3	119.8	119.9	119.0	121.3	122.1	118.4	120.4	121.2	123.2	122.7	123.2
Rubber and misc. plastics products	139.6	141.3	142.1	141.0	140.1	144.5	147.3	146.6	147.0	146.2	145.4	145.1	146.8
Leather and leather products	70.0	70.3	69.6	68.0	67.8	69.1	71.3	70.4	70.1	67.1	69.1	69.5	66.7
SERVICE-PRODUCING	128.0	128.1	128.5	127.9	128.4	129.8	130.5	130.5	130.7	130.7	130.8	131.4	131.8
TRANSPORTATION AND PUBLIC UTILITIES	105.9	107.2	106.9	107.0	107.7	109.1	108.7	109.0	109.4	106.5	107.7	108.2	109.7
WHOLESALE AND RETAIL TRADE	124.3	124.2	124.7	123.7	124.2	125.9	126.4	126.8	126.8	127.4	127.2	127.4	127.9
WHOLESALE TRADE	122.2	122.4	123.0	123.1	123.9	125.3	126.0	125.2	126.1	125.7	126.1	127.2	127.6
RETAIL TRADE	125.2	124.9	125.4	123.9	124.4	126.1	126.6	127.3	127.0	128.0	127.7	127.5	128.0
FINANCE, INSURANCE, AND REAL ESTATE	133.2	133.6	133.9	134.3	135.1	135.4	137.5	136.2	137.9	139.0	139.2	139.7	140.4
SERVICES	141.8	141.6	142.1	141.7	141.8	143.3	144.1	143.8	143.9	144.1	144.1	145.1	144.9

p=preliminary.

ESTABLISHMENT DATA

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Table B-6. Indexes of diffusion: Percent of industries in which employment¹ increased

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1975				
January.....	18.0	13.1	11.9	15.7
February.....	21.2	12.8	12.8	16.9
March.....	26.5	20.1	18.6	18.3
April.....	41.0	36.6	29.4	20.9
May.....	51.5	43.0	48.3	27.0
June.....	43.0	53.2	57.3	41.0
July.....	56.1	61.6	67.2	54.1
August.....	73.3	73.5	69.2	64.5
September.....	67.4	77.3	75.9	74.1
October.....	68.3	70.6	80.5	79.7
November.....	60.5	74.4	84.0	82.3
December.....	71.5	78.2	83.7	86.3
1976				
January.....	78.2	85.8	87.2	85.2
February.....	72.4	84.9	85.8	84.0
March.....	69.5	81.4	82.0	85.2
April.....	70.1	72.4	75.6	78.8
May.....	58.1	67.2	68.3	82.6
June.....	57.8	65.1	71.2	79.9
July.....	58.4	57.8	63.1	78.5
August.....	49.1	64.0	65.1	77.6
September.....	64.8	53.8	66.3	80.2
October.....	47.1	65.1	73.3	80.8
November.....	67.4	64.2	78.8	80.8
December.....	66.6	81.4	81.4	82.6
1977				
January.....	76.2	83.1	88.1	78.8
February.....	66.0	86.3	87.8	80.5
March.....	74.7	81.1	85.2	80.2
April.....	68.0	79.4	79.4	84.6
May.....	64.8	76.2	75.9	84.0
June.....	71.2	68.0	72.1	83.1
July.....	59.3	63.4	69.8	82.6
August.....	51.7	58.7	74.1	83.7
September.....	60.8	62.5	72.1	82.6
October.....	60.5	73.8	77.9	81.1
November.....	73.8	75.3	82.0	81.1
December.....	72.1	79.7	83.1	80.8
1978				
January.....	69.8	80.2	85.5	80.5
February.....	70.3	80.2	79.9	79.1
March.....	70.1	75.9	77.9	77.3p
April.....	62.8	67.4	68.9	77.6p
May.....	56.4	63.7	67.7	
June.....	67.2	62.5	57.3p	
July.....	54.9	57.0	62.5p	
August.....	51.7	50.0p		
September.....	54.1p	59.9p		
October.....	68.0p			
November.....				
December.....				

¹ Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.

p = preliminary.