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THE EMPLOYMENT SITUATION: OCTOBER 1979

The overall employment situation was characterized by mixed developments in October, the Bureau of Labor Statistics of the U. S. Department of Labor reported today. Unemployment rose, and the two sample surveys showed different movements in employment. The Nation's unemployment rate increased from 5.8 percent in September to 6.0 percent in October, the same as it was in August. The rate thus remained at the top of the 5.6 to 6.0 range that has prevailed for the past 14 months.

Total employment--as measured by the monthly survey of households--edged down by 220,000 in October to 97.3 million. Employment had expanded substantially in September and was up by 2.1 million over the year. In contrast, nonfarm payroll employment--as measured by the monthly survey of establishments--rose by about 300,000 to 90.2 million in October, following 2 months of little growth. The number of payroll jobs has advanced by 2.8 million since October 1978.

Unemployment

The number of unemployed persons rose by nearly 200,000 in October to 6.2 million, with most of the increase occurring among persons who had lost their jobs. The overall unemployment rate moved up from 5.8 percent in September to 6.0 percent, the same as the August rate and close to the rates prevailing since August of 1978. (See tables A-1 and A-5.)

Over-the-month increases in unemployment occurred among adult women and blacks, as their jobless rates rose to 5.8 and 11.7 percent, respectively. The increase among women reversed a decline of comparable magnitude in September. In contrast, the unemployment rate for adult men, at 4.3 percent, was little changed from September, though it was up four-tenths of a percentage point from the May-June level. Likewise, jobless rates for most other major worker categories, including teenagers, whites, and full-time workers, were about the same as in the previous month. (See table A-2.)

Total Employment and the Labor Force

Total employment edged down by 220,000 in October to 97.3 million. Movements in employment have been somewhat erratic in recent months; the October level was not much different than July.

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The employment-population ratio was 59.2 percent in October, down 0.2 percentage point from September. Over the past year, total employment has advanced by 2.1 million; all of this increase took place among adults.

The civilian labor force held at 103.5 million in October, as the over-the-month increase in unemployment was offset by the decline of about equal magnitude in employment. Since October 1978, the civilian labor force has risen by 2.4 million, but growth has slowed considerably since March, totaling only 760,000.

The civilian labor force participation rate, at 63.7 percent, returned to its August level after hitting an all-time high of 63.9 percent in September. Over the year, labor force

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

Selected categories	Quarterly averages					Monthly data		
	1978		1979			1979		
	III	IV	I	II	III	Aug.	Sept.	Oct.
HOUSEHOLD DATA								
Thousands of persons								
Civilian labor force.....	100,753	101,524	102,475	102,295	103,202	103,049	103,498	103,474
Total employment.....	94,726	95,616	96,596	96,415	97,208	96,900	97,513	97,293
Unemployment.....	6,027	5,908	5,878	5,880	5,994	6,149	5,985	6,182
Not in labor force.....	58,482	58,398	58,095	58,886	58,604	58,752	58,515	58,901
Discouraged workers.....	853	760	724	826	739	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers.....	6.0	5.8	5.7	5.7	5.8	6.0	5.8	6.0
Adult men.....	4.1	4.0	4.0	3.9	4.2	4.2	4.2	4.3
Adult women.....	6.1	5.8	5.7	5.7	5.6	5.9	5.5	5.8
Teenagers.....	16.1	16.3	15.8	16.2	16.1	16.5	16.4	16.6
White.....	5.2	5.1	5.0	4.9	5.1	5.3	5.1	5.2
Black and other.....	11.7	11.5	11.4	11.6	10.8	11.0	10.6	11.7
Full-time workers.....	5.5	5.2	5.2	5.2	5.4	5.4	5.4	5.5
ESTABLISHMENT DATA								
Thousands of jobs								
Nonfarm payroll employment.....	86,866	87,799	88,724	89,353	89,773p	89,762	89,845p	90,151p
Goods-producing industries.....	25,731	26,111	26,486	26,630	26,638p	26,599	26,591p	26,623p
Service-producing industries...	61,135	61,688	62,238	62,723	63,136p	63,163	63,254p	63,528p
Hours of work								
Average weekly hours:								
Total private nonfarm.....	35.8	35.8	35.8	35.5	35.6p	35.6	35.7p	35.5p
Manufacturing.....	40.5	40.6	40.6	39.8	40.1p	40.1	40.1p	40.1p
Manufacturing overtime.....	3.5	3.7	3.7	3.2	3.2p	3.2	3.2p	3.2p

p=preliminary

N.A.=not available

participation has increased by 0.4 percentage point, due entirely to continued gains in adult female participation.

Industry Payroll Employment

Nonfarm payroll employment rose by 305,000 in October to 90.2 million, following negligible increases in each of the prior 2 months. Payroll employment has advanced by 2.8 million over the past year. (See table B-1.)

Service-producing industries accounted for virtually all of the employment gain, with wholesale and retail trade and services registering the largest absolute increases. Transportation and public utilities and finance, insurance, and real estate also posted gains, while government employment was about unchanged.

Employment in the goods-producing sector was little changed from September. Jobs in construction increased 30,000, while employment in mining was unchanged. Overall manufacturing employment was essentially the same as in September, as declines in durable goods about offset gains in nondurable goods. Within the durable goods industries, transportation equipment jobs fell by 55,000 in October. Most of this decline probably occurred in the summer months but was not apparent at that time because of problems of seasonally adjusting auto model changeover. Strike activity was responsible for a drop of 40,000 in machinery. Among the nondurable goods industries, job gains were scattered, with the largest taking place in food processing and printing and publishing.

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.5 hours in October, down 0.2 hour from September. Declines took place in every industry division except manufacturing. Manufacturing hours, at 40.1, have shown little change since May but were down 0.4 hour over the past year. Factory overtime, at 3.2 hours, was also unchanged from September. (See table B-2.)

The index of aggregate weekly hours was unchanged in October at 125.9 (1967=100). The index was up 2.4 percent over the year, due entirely to employment gains. The manufacturing index was little changed both over the month and from a year earlier. (See table B-5.)

Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls edged up 0.3 percent in October (seasonally adjusted) and were 7.5 percent above October 1978. Average weekly earnings declined 0.2 percent over the month but were up 6.6 percent from October 1978.

Before adjustment for seasonality, average hourly earnings rose 1 cent from September to \$6.31, 44 cents above October 1978. Average weekly earnings were \$224.64 in October, down 90 cents from September but up \$13.91 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 234.9 (1967=100) in October, 0.3 percent higher than in September. The index was 7.7 percent above October a year ago. During the 12-month period ended in September, the Hourly Earnings Index in dollars of constant purchasing power decreased 3.7 percent. (See table B-4.)

Explanatory Note

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

Statistics on nonagricultural payroll employment, hours, and earnings (B tables) are collected by the Bureau of Labor Statistics, in cooperation with State agencies, from payroll records of a sample of approximately 162,000 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.

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 June 1979.)

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 I 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 1978 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 83,000. Measures of reliability (approximations of the RMSE) for establishment-survey data and actual amounts of revision due to benchmark adjustments are provided in tables K through P in the "Explanatory Notes" of Employment and Earnings.

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Oct.	Sept.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1979	1978	1979	1979	1979	1979	1979
TOTAL									
Total noninstitutional population ¹	161,823	164,106	164,468	161,829	163,469	163,685	163,891	164,106	164,468
Armed Forces ¹	2,122	2,092	2,093	2,122	2,076	2,082	2,090	2,092	2,093
Civilian noninstitutional population ¹	159,707	162,013	162,375	159,707	161,393	161,604	161,801	162,013	162,375
Civilian labor force	101,555	103,373	103,939	101,077	102,528	103,059	103,049	103,498	103,474
Participation rate	63.6	63.8	64.0	63.3	63.5	63.8	63.7	63.9	63.7
Employed	96,095	97,576	98,158	95,241	96,754	97,210	96,900	97,513	97,293
Employment-population ratio ²	59.4	59.5	59.7	58.9	59.2	59.4	59.1	59.4	59.2
Agriculture	3,553	3,545	3,467	3,374	3,260	3,262	3,322	3,400	3,288
Nonagricultural industries	92,541	94,030	94,691	91,867	93,494	93,949	93,578	94,113	94,005
Unemployed	5,460	5,798	5,781	5,836	5,774	5,848	6,149	5,985	6,182
Unemployment rate	5.4	5.6	5.6	5.8	5.6	5.7	6.0	5.8	6.0
Not in labor force	58,152	58,640	58,436	58,630	58,865	58,545	58,752	58,515	58,901
Men, 20 years and over									
Total noninstitutional population ¹	69,081	70,205	70,380	69,081	69,889	69,995	70,099	70,205	70,380
Civilian noninstitutional population ¹	67,332	68,522	68,697	67,382	68,227	68,319	68,417	68,522	68,697
Civilian labor force	53,783	54,795	54,878	53,593	54,395	54,567	54,527	54,653	54,696
Participation rate	79.3	80.0	79.9	79.5	79.7	79.9	79.7	79.8	79.6
Employed	51,889	52,835	52,816	51,448	52,299	52,319	52,227	52,382	52,366
Employment-population ratio ²	75.1	75.3	75.0	74.5	74.8	74.7	74.5	74.6	74.4
Agriculture	2,462	2,498	2,472	2,363	2,306	2,323	2,385	2,395	2,372
Nonagricultural industries	49,428	50,337	50,344	49,085	49,993	49,996	49,843	49,987	49,994
Unemployed	1,895	1,960	2,062	2,145	2,096	2,249	2,300	2,271	2,330
Unemployment rate	3.5	3.6	3.8	4.0	3.9	4.1	4.2	4.2	4.3
Not in labor force	13,593	13,727	13,819	13,789	13,832	13,752	13,890	13,869	14,001
Women, 20 years and over									
Total noninstitutional population ¹	75,998	77,245	77,429	75,998	76,896	77,014	77,127	77,245	77,429
Civilian noninstitutional population ¹	75,889	77,124	77,306	75,889	76,784	76,897	77,006	77,124	77,308
Civilian labor force	38,503	39,543	39,958	37,860	38,596	39,010	39,292	39,331	39,317
Participation rate	50.7	51.3	51.7	49.9	50.3	50.7	51.0	51.0	50.9
Employed	36,372	37,217	37,684	35,726	36,373	36,861	36,968	37,178	37,039
Employment-population ratio ²	47.9	48.2	48.7	47.0	47.3	47.9	47.9	48.1	47.8
Agriculture	690	678	654	587	592	584	596	640	556
Nonagricultural industries	35,682	36,538	37,030	35,139	35,781	36,276	36,371	36,538	36,483
Unemployed	2,131	2,327	2,274	2,134	2,223	2,150	2,324	2,153	2,279
Unemployment rate	5.5	5.9	5.7	5.6	5.8	5.5	5.9	5.5	5.8
Not in labor force	37,387	37,581	37,350	38,029	38,188	37,887	37,714	37,793	37,991
Both sexes, 16-19 years									
Total noninstitutional population ¹	16,750	16,655	16,659	16,750	16,684	16,677	16,665	16,655	16,659
Civilian noninstitutional population ¹	16,436	16,367	16,370	16,436	16,381	16,387	16,377	16,367	16,370
Civilian labor force	9,264	9,035	9,103	9,624	9,537	9,481	9,230	9,514	9,461
Participation rate	56.4	55.2	55.6	58.6	58.2	57.9	56.4	58.1	57.8
Employed	7,834	7,524	7,658	8,067	8,082	8,031	7,705	7,953	7,888
Employment-population ratio ²	45.8	45.2	46.0	48.2	48.4	48.2	46.2	47.7	47.3
Agriculture	402	369	341	424	362	355	341	365	360
Nonagricultural industries	7,432	7,155	7,316	7,643	7,720	7,676	7,364	7,588	7,528
Unemployed	1,431	1,511	1,445	1,557	1,455	1,450	1,525	1,561	1,573
Unemployment rate	15.4	16.7	15.9	16.2	15.3	15.3	16.5	16.4	16.6
Not in labor force	7,172	7,332	7,267	6,812	6,844	6,906	7,147	6,853	6,909
White									
Total noninstitutional population ¹	141,873	143,621	143,937	141,873	143,137	143,303	143,461	143,621	143,937
Civilian noninstitutional population ¹	140,170	141,981	142,296	140,170	141,492	141,661	141,822	141,981	142,296
Civilian labor force	89,475	91,012	91,435	89,067	90,279	90,554	90,662	91,081	90,997
Participation rate	63.8	64.1	64.3	63.5	63.8	63.9	63.9	64.2	63.9
Employed	85,297	86,481	87,020	84,565	85,871	86,093	85,829	86,395	86,243
Employment-population ratio ²	60.1	60.2	60.5	59.6	60.0	60.1	59.8	60.2	59.9
Unemployed	4,178	4,531	4,415	4,502	4,409	4,460	4,832	4,687	4,755
Unemployment rate	4.7	5.0	4.8	5.1	4.9	4.9	5.3	5.1	5.2
Not in labor force	50,696	50,969	50,861	51,103	51,213	51,107	51,161	50,900	51,299
Black and other									
Total noninstitutional population ¹	19,955	20,484	20,531	19,955	20,331	20,382	20,431	20,484	20,531
Civilian noninstitutional population ¹	19,536	20,032	20,079	19,536	19,901	19,943	19,979	20,032	20,079
Civilian labor force	12,080	12,362	12,504	12,122	12,272	12,364	12,340	12,408	12,546
Participation rate	61.8	61.7	62.3	62.0	61.7	62.0	61.8	61.9	62.5
Employed	10,798	11,094	11,137	10,749	10,883	11,025	10,987	11,095	11,083
Employment-population ratio ²	54.1	54.2	54.2	53.9	53.5	54.1	53.8	54.2	54.0
Unemployed	1,283	1,267	1,366	1,373	1,389	1,338	1,353	1,313	1,463
Unemployment rate	10.6	10.3	10.9	11.3	11.3	10.8	11.0	10.6	11.7
Not in labor force	7,456	7,671	7,575	7,414	7,629	7,579	7,639	7,624	7,533

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).

Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	Oct.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1978	1979	1979	1979	1979	1979
CHARACTERISTICS								
Total, 16 years and over	5,836	6,182	5.8	5.6	5.7	6.0	5.8	6.0
Men, 20 years and over	2,145	2,330	4.0	3.9	4.1	4.2	4.2	4.3
Women, 20 years and over	2,134	2,279	5.6	5.8	5.5	5.9	5.5	5.8
Both sexes, 16-19 years	1,557	1,573	16.2	15.3	15.3	16.5	16.4	16.6
White, total	4,502	4,755	5.1	4.9	4.9	5.3	5.1	5.2
Men, 20 years and over	1,693	1,819	3.5	3.4	3.6	3.8	3.7	3.7
Women, 20 years and over	1,603	1,721	4.9	5.0	4.7	5.2	4.8	5.1
Both sexes, 16-19 years	1,206	1,214	14.0	13.0	13.3	14.9	14.6	14.4
Black and other, total	1,373	1,463	11.3	11.3	10.8	11.0	10.6	11.7
Men, 20 years and over	481	540	8.3	7.9	8.3	8.3	7.9	9.0
Women, 20 years and over	534	558	10.1	10.8	9.8	10.3	9.6	10.1
Both sexes, 16-19 years	358	365	34.5	34.0	30.9	30.7	31.5	35.7
Married men, spouse present	1,033	1,166	2.6	2.6	2.9	3.0	2.8	2.9
Married women, spouse present	1,243	1,284	5.3	5.2	4.8	5.4	4.7	5.3
Women who head families	365	423	7.5	9.1	8.1	7.9	7.6	8.4
Full-time workers	4,505	4,839	5.2	5.1	5.3	5.4	5.4	5.5
Part-time workers	1,354	1,371	9.0	8.6	8.2	8.8	8.3	9.0
Unemployed 15 weeks and over ¹	1,317	1,223	1.3	1.1	1.0	1.2	1.1	1.2
Labor force time lost ²	--	--	6.2	6.3	6.4	6.5	6.2	6.4
OCCUPATION³								
White-collar workers	1,621	1,810	3.3	3.4	3.2	3.6	3.3	3.5
Professional and technical	412	437	2.8	2.5	2.5	2.6	2.5	2.8
Managers and administrators, except farm	181	248	1.8	2.0	1.9	2.3	2.2	2.3
Sales workers	257	247	4.1	4.5	3.5	4.2	3.9	3.8
Clerical workers	771	878	4.2	4.6	4.4	5.0	4.5	4.7
Blue-collar workers	2,329	2,542	6.8	6.5	6.8	7.6	7.1	7.3
Craft and kindred workers	651	661	4.9	4.2	4.2	4.9	4.1	4.8
Operatives, except transport	917	1,115	7.6	7.7	8.3	9.3	9.2	9.2
Transport equipment operatives	181	212	4.8	5.5	5.2	6.8	6.2	5.6
Nonfarm laborers	580	554	11.0	10.3	10.9	11.5	10.8	10.6
Service workers	985	974	7.1	7.2	7.2	7.0	6.7	7.0
Farm workers	136	123	4.6	3.1	4.5	3.8	4.2	4.3
INDUSTRY³								
Nonagricultural private wage and salary workers ⁴	4,186	4,547	5.6	5.6	5.7	6.1	5.8	6.0
Construction	553	527	11.2	9.6	9.5	9.5	8.8	10.1
Manufacturing	1,158	1,421	5.1	5.3	5.8	6.2	6.1	6.2
Durable goods	610	772	4.6	4.8	5.5	5.7	5.3	5.6
Nondurable goods	548	649	6.0	6.2	6.2	6.9	7.3	7.0
Transportation and public utilities	183	211	3.4	3.0	3.9	3.8	4.1	3.8
Wholesale and retail trade	1,238	1,218	6.7	6.8	6.2	6.6	6.4	6.5
Finance and service industries	1,019	1,103	4.6	4.7	4.9	5.4	4.7	4.9
Government workers	625	659	3.9	3.6	3.5	3.8	3.3	4.1
Agricultural wage and salary workers	150	149	9.5	7.7	10.4	9.9	10.3	9.8

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

by industry covers only unemployed wage and salary workers.

⁴ Includes mining, not shown separately.

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Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	Oct.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1978	1979	1979	1979	1979	1979
CHARACTERISTICS								
Total employed, 18 years and over	96,395	98,158	95,241	96,754	97,210	96,900	97,513	97,293
Men	56,045	56,840	55,754	56,638	56,595	56,316	56,653	56,539
Women	40,049	41,318	39,487	40,116	40,615	40,585	40,860	40,754
Married men, spouse present	39,135	39,448	38,306	39,055	39,163	39,146	39,175	39,135
Married women, spouse present	22,774	23,518	22,194	22,580	22,890	22,777	22,965	22,922
OCCUPATION								
White-collar workers	43,038	49,991	47,713	49,165	49,573	49,615	49,779	49,648
Professional and technical	14,548	15,183	14,307	15,053	15,063	14,983	15,078	14,929
Managers and administrators, except farm	10,318	10,791	9,968	10,565	10,675	10,772	10,640	10,648
Sales workers	5,971	6,228	5,986	6,065	6,161	6,065	6,114	6,247
Clerical workers	17,591	17,878	17,452	17,481	17,673	17,774	17,947	17,825
Blue-collar workers	32,165	32,376	31,936	31,958	31,949	31,767	32,287	32,191
Craft and kindred workers	12,615	13,039	12,556	13,003	12,832	12,755	13,057	12,974
Operatives, except transport	11,265	11,077	11,178	10,759	10,853	10,880	10,987	10,989
Transport equipment operatives	3,626	3,607	3,581	3,596	3,610	3,571	3,622	3,561
Nonfarm laborers	4,658	4,653	4,671	4,600	4,652	4,561	4,621	4,667
Service workers	12,334	12,957	12,951	12,946	12,697	12,591	12,796	12,977
Farm workers	2,959	2,833	2,821	2,683	2,657	2,703	2,736	2,702
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,501	1,448	1,423	1,445	1,403	1,363	1,391	1,373
Self-employed workers	1,699	1,677	1,638	1,525	1,552	1,632	1,678	1,617
Unpaid family workers	353	341	323	293	294	310	327	312
Nonagricultural industries:								
Wage and salary workers	85,855	87,542	85,363	86,309	86,277	86,227	86,891	87,032
Government	15,514	15,673	15,387	15,257	15,382	15,260	15,450	15,549
Private industries	70,341	71,869	69,976	71,051	70,895	70,967	71,441	71,483
Private households	1,335	1,290	1,315	1,236	1,217	1,205	1,332	1,270
Other industries	69,006	70,579	68,661	69,816	69,678	69,761	70,109	70,213
Self-employed workers	6,258	6,753	6,314	6,600	6,753	6,649	6,682	6,814
Unpaid family workers	426	396	453	482	529	443	453	421
PERSONS AT WORK¹								
Nonagricultural industries	88,479	90,472	86,511	87,843	89,074	89,154	88,824	88,487
Full-time schedules	72,545	74,408	71,318	72,230	73,133	73,222	73,252	73,164
Part time for economic reasons	2,917	2,979	3,164	3,416	3,340	3,355	3,111	3,230
Usually work full time	1,087	1,205	1,167	1,416	1,394	1,478	1,255	1,293
Usually work part time	1,830	1,774	1,997	2,000	1,946	1,877	1,856	1,937
Part time for noneconomic reasons	13,017	13,085	12,029	12,198	12,597	12,577	12,461	12,093

¹ 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.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1978	1979	1979	1979	1979	1979
DURATION								
Less than 5 weeks	2,644	2,883	2,719	2,927	2,784	3,226	2,743	2,963
5 to 14 weeks	1,669	1,833	1,789	1,782	1,970	1,743	2,050	1,965
15 weeks and over	1,147	1,065	1,317	1,086	1,052	1,191	1,133	1,223
15 to 26 weeks	612	591	732	616	600	662	627	703
27 weeks and over	535	475	585	470	451	529	507	520
Average (mean) duration, in weeks	11.4	10.2	11.8	10.4	10.0	10.5	10.6	10.5
Median duration, in weeks	5.3	5.0	5.9	5.6	6.1	4.9	5.9	5.6
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	48.4	49.9	46.7	50.5	48.0	52.4	46.3	48.2
5 to 14 weeks	30.6	31.7	30.7	30.8	33.9	28.3	34.6	31.9
15 weeks and over	21.0	18.4	22.6	18.7	18.1	19.3	19.1	19.9
15 to 26 weeks	11.2	10.2	12.6	10.6	10.3	10.7	10.6	11.4
27 weeks and over	9.8	8.2	10.0	8.1	7.8	8.6	8.5	8.4

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Table A-5. Reasons for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Oct.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1978	1979	1979	1979	1979	1979
NUMBER OF UNEMPLOYED								
Lost last job	2,139	2,380	2,456	2,358	2,532	2,724	2,608	2,771
On layoff	460	655	644	796	793	960	836	916
Other job losers	1,679	1,725	1,812	1,562	1,739	1,765	1,771	1,855
Left last job	358	882	812	867	833	894	818	825
Reentered labor force	1,741	1,808	1,721	1,738	1,737	1,798	1,785	1,788
Seeking first job	743	711	825	787	694	720	803	793
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	39.0	41.1	42.2	41.0	43.7	44.4	43.4	44.9
On layoff	8.4	11.3	11.1	13.8	13.7	15.6	13.9	14.8
Other job losers	30.2	29.8	31.2	27.2	30.0	28.8	29.5	30.0
Job leavers	15.9	15.3	14.0	15.1	14.4	14.6	13.6	13.4
Reentrants	31.9	31.3	29.6	30.2	29.9	29.3	29.7	29.0
New entrants	13.6	12.3	14.2	13.7	12.0	11.7	13.4	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.1	2.3	2.4	2.3	2.5	2.6	2.5	2.7
Job leavers9	.8	.8	.8	.8	.9	.8	.8
Reentrants	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
New entrants7	.7	.8	.8	.7	.7	.8	.8

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

Sex and age	Number of unemployed persons (In thousands)		Unemployment rates					
	Oct.	Oct.	Oct.	June	July	Aug.	Sept.	Oct.
	1978	1979	1978	1979	1979	1979	1979	1979
Total, 16 years and over	5,836	6,182	5.8	5.6	5.7	6.0	5.8	6.0
16 to 19 years	1,557	1,573	16.2	15.3	15.3	16.5	16.4	16.6
16 to 17 years	786	734	19.2	16.7	17.1	18.1	16.8	18.5
18 to 19 years	775	841	14.0	14.1	14.4	15.5	16.0	15.3
20 to 24 years	1,298	1,460	8.6	8.9	9.0	9.3	9.2	9.5
25 years and over	3,015	3,184	3.9	3.8	3.9	4.1	3.8	4.0
25 to 54 years	2,569	2,741	4.2	4.0	4.0	4.3	4.1	4.3
55 years and over	438	438	3.0	2.9	3.2	3.2	2.9	2.9
Men, 16 years and over	2,971	3,109	5.1	4.7	5.0	5.2	5.2	5.2
16 to 19 years	826	779	16.1	14.1	14.9	16.0	16.2	15.7
16 to 17 years	436	362	19.9	15.8	15.2	17.3	16.6	17.1
18 to 19 years	390	416	13.2	13.5	14.9	15.3	15.6	14.6
20 to 24 years	693	791	8.5	8.0	8.8	8.9	8.8	9.5
25 years and over	1,505	1,597	3.3	3.1	3.3	3.5	3.4	3.4
25 to 54 years	1,237	1,343	3.4	3.1	3.3	3.6	3.5	3.6
55 years and over	253	241	2.8	3.1	3.4	3.2	2.9	2.7
Women, 16 years and over	2,865	3,073	6.8	6.9	6.6	7.0	6.6	7.0
16 to 19 years	731	794	16.3	16.6	15.8	17.1	16.7	17.6
16 to 17 years	350	372	18.4	17.7	19.2	18.9	17.0	20.0
18 to 19 years	395	425	14.8	14.8	13.8	15.8	16.5	16.0
20 to 24 years	605	669	8.7	9.9	9.3	9.9	9.7	9.6
25 years and over	1,510	1,588	4.9	4.8	4.7	5.0	4.6	4.9
25 to 54 years	1,332	1,398	5.2	5.3	5.0	5.4	4.9	5.3
55 years and over	185	197	3.3	2.7	2.9	3.3	3.0	3.4

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		
	1978		1979			1979		
	III	IV	I	II	III	Aug.	Sept.	Oct.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force	1.3	1.2	1.2	1.2	1.1	1.2	1.1	1.2
U-2—Job losers as a percent of the civilian labor force	2.4	2.4	2.4	2.4	2.5	2.6	2.5	2.7
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over	4.1	3.9	3.9	3.9	3.9	4.1	3.8	4.0
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force	5.5	5.2	5.2	5.2	5.4	5.4	5.4	5.5
U-5—Total unemployed as a percent of the civilian labor force (official measure)	6.0	5.8	5.7	5.7	5.8	6.0	5.8	6.0
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons as a percent of the civilian labor force less ½ of the part-time labor force	7.5	7.2	7.2	7.3	7.3	7.5	7.2	7.4
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ½ of the part-time labor force	8.4	8.0	7.9	8.1	8.0	N.A.	N.A.	N.A.

N.A.= not available.

Table A-8. Employment status of the noninstitutional population by race and Hispanic origin, not seasonally adjusted

[Number in thousands]

Employment status	Total		White		Black ¹		Hispanic origin ²	
	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979
TOTAL								
Civilian noninstitutional population	159,707	162,375	140,170	142,296	16,764	17,150	7,626	7,983
Civilian labor force	101,555	103,939	89,475	91,435	10,302	10,596	4,954	5,092
Percent of population	63.6	64.0	63.8	64.3	61.4	61.8	65.0	63.8
Employment	96,095	98,158	85,297	87,020	9,148	9,349	4,580	4,695
Agriculture	3,553	3,467	3,196	3,156	294	245	203	216
Nonagricultural industries	92,541	94,691	82,101	83,864	8,854	9,104	4,377	4,459
Unemployment	5,460	5,781	4,178	4,415	1,154	1,247	375	397
Unemployment rate	5.4	5.6	4.7	4.8	11.2	11.8	7.6	7.8
Not in labor force	58,152	58,436	50,696	50,861	6,462	6,554	2,672	2,891

¹ Data relate to black workers only. According to the 1970 Census, they comprised about 89 percent of the "black and other" population group.

² Data on persons of Hispanic origin are tabulated separately, without regard to race, which means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

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Table A-9. Employment status of male Vietnam-era veterans and nonveterans by age, not seasonally adjusted

(Numbers in thousands)

Veteran status and age	Civilian noninstitutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979	Oct. 1978	Oct. 1979
VETERANS¹										
Total, 20 years and over	8,405	8,565	7,952	8,162	7,645	7,878	307	284	3.9	3.5
20 to 24 years	676	493	596	450	546	399	50	51	8.4	11.3
25 to 39 years	6,978	7,189	6,711	6,945	6,468	6,739	243	206	3.6	3.0
25 to 29 years	2,203	1,855	2,089	1,761	1,976	1,699	113	62	5.4	3.5
30 to 34 years	3,512	3,647	3,392	3,552	3,301	3,458	91	94	2.7	2.6
35 to 39 years	1,263	1,686	1,230	1,632	1,191	1,582	39	50	3.2	3.1
40 years and over	751	884	645	767	631	740	14	27	2.2	3.5
NONVETERANS²										
Total, 25 to 39 years	13,937	14,855	13,292	14,209	12,844	13,690	448	519	3.4	3.7
25 to 29 years	6,295	6,821	5,980	6,495	5,737	6,215	243	280	4.1	4.3
30 to 34 years	3,997	4,261	3,804	4,089	3,693	3,957	111	132	2.9	3.2
35 to 39 years	3,645	3,773	3,508	3,625	3,414	3,518	94	107	2.7	3.0

¹ Vietnam-era veterans are those who served between August 5, 1964 and May 7, 1975.² Nonveterans are males who have never served in the Armed Forces. Published data are limited to those 25-39 years of age, the group that most closely corresponds to the bulk of the Vietnam-era veteran population.

NOTE: Seasonally-adjusted data are no longer being provided because the changing age composition of the Vietnam-era veterans' population distorts the ability to identify seasonality in the series.

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Table A-10. Employment status of the noninstitutional population for the ten largest States

(Numbers in thousands)

State and employment status	Not seasonally adjusted ^a			Seasonally adjusted					
	Oct. 1978	Sept. 1979	Oct. 1979	Oct. 1978	June 1979	July 1979	Aug. 1979	Sept. 1979	Oct. 1979
California									
Civilian noninstitutional population ¹	16,448	16,760	16,804	16,448	16,676	16,704	16,731	16,760	16,804
Civilian labor force	10,707	10,995	11,067	10,723	10,843	10,919	11,051	11,038	11,083
Employed	10,070	10,324	10,431	10,034	10,191	10,290	10,330	10,325	10,395
Unemployed	637	671	636	689	652	629	721	713	688
Unemployment rate	5.9	6.1	5.8	6.4	6.0	5.8	6.5	6.5	6.2
Florida									
Civilian noninstitutional population ¹	6,567	6,758	6,781	6,567	6,706	6,723	6,740	6,758	6,781
Civilian labor force	3,731	3,813	3,820	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,469	3,567	3,580	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	262	246	241	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	7.0	6.5	6.3	(2)	(2)	(2)	(2)	(2)	(2)
Illinois									
Civilian noninstitutional population ¹	8,230	8,295	8,309	8,230	8,278	8,284	8,289	8,295	8,309
Civilian labor force	5,407	5,372	5,416	5,402	5,329	5,376	5,349	5,400	5,411
Employed	5,118	5,068	5,118	5,100	5,053	5,131	5,112	5,069	5,100
Unemployed	288	304	298	302	276	245	237	331	311
Unemployment rate	5.3	5.7	5.5	5.6	5.2	4.6	4.4	6.1	5.7
Massachusetts									
Civilian noninstitutional population ¹	4,341	4,385	4,393	4,341	4,373	4,377	4,381	4,385	4,393
Civilian labor force	2,798	2,912	2,851	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,678	2,725	2,727	2,657	2,744	2,738	2,757	2,750	2,706
Unemployed	120	187	124	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	4.3	6.4	4.4	(2)	(2)	(2)	(2)	(2)	(2)
Michigan									
Civilian noninstitutional population ¹	6,672	6,752	6,765	6,672	6,730	6,738	6,744	6,752	6,765
Civilian labor force	4,193	4,327	4,343	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,963	4,017	4,028	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	230	310	315	293	301	323	302	348	378
Unemployment rate	5.5	7.2	7.2	(2)	(2)	(2)	(2)	(2)	(2)
New Jersey									
Civilian noninstitutional population ¹	5,472	5,527	5,537	5,472	5,512	5,517	5,522	5,527	5,537
Civilian labor force	3,530	3,589	3,563	3,536	3,545	3,530	3,528	3,568	3,570
Employed	3,310	3,365	3,339	3,293	3,301	3,266	3,262	3,349	3,322
Unemployed	219	224	224	243	244	264	266	219	248
Unemployment rate	6.2	6.2	6.3	6.9	6.9	7.5	7.5	6.1	6.9
New York									
Civilian noninstitutional population ¹	13,264	13,304	13,320	13,264	13,294	13,298	13,300	13,304	13,320
Civilian labor force	7,883	7,937	7,952	7,949	7,931	8,001	7,971	7,989	8,018
Employed	7,263	7,343	7,391	7,298	7,364	7,400	7,347	7,393	7,425
Unemployed	619	594	561	651	567	601	624	596	593
Unemployment rate	7.9	7.5	7.1	8.2	7.1	7.5	7.8	7.5	7.4
Ohio									
Civilian noninstitutional population ¹	7,893	7,961	7,975	7,893	7,943	7,949	7,955	7,961	7,975
Civilian labor force	5,105	5,092	5,122	5,084	4,984	4,995	5,045	5,084	5,100
Employed	4,864	4,814	4,819	4,823	4,706	4,650	4,687	4,793	4,778
Unemployed	241	278	302	261	278	345	358	291	322
Unemployment rate	4.7	5.5	5.9	5.1	5.6	6.9	7.1	5.7	6.3
Pennsylvania									
Civilian noninstitutional population ¹	8,864	8,923	8,937	8,864	8,907	8,913	8,916	8,923	8,937
Civilian labor force	5,325	5,301	5,364	5,300	5,249	5,316	5,288	5,327	5,339
Employed	4,955	4,944	4,938	4,911	4,900	4,980	4,903	4,951	4,894
Unemployed	369	357	426	389	349	336	385	376	445
Unemployment rate	6.9	6.7	7.9	7.3	6.6	6.3	7.3	7.1	8.3
Texas									
Civilian noninstitutional population ¹	9,254	9,451	9,478	9,254	9,398	9,416	9,433	9,451	9,478
Civilian labor force	6,067	6,231	6,264	6,048	6,100	6,183	6,136	6,241	6,245
Employed	5,808	5,984	6,028	5,768	5,834	5,907	5,866	5,996	5,989
Unemployed	260	247	236	280	266	276	270	245	256
Unemployment rate	4.3	4.0	3.8	4.6	4.4	4.5	4.4	3.9	4.1

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

^a 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.

ESTABLISHMENT DATA

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Table B-1. Employees on nonagricultural payrolls by industry

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted					
	OCT. 1978	AUG. 1979	SEPT. 1979 P	OCT. 1979 P	OCT. 1978	JUNE 1979	JULY 1979	AUG. 1979	SEPT. 1979 P	OCT. 1979 P
TOTAL	88,100	89,673	90,255	90,851	87,424	89,626	89,713	89,762	89,845	90,151
GOODS-PRODUCING	26,407	27,030	27,156	27,107	25,941	26,674	26,723	26,599	26,591	26,623
MINING	913	986	979	975	910	949	956	968	972	972
CONSTRUCTION	4,662	5,048	4,978	4,975	4,398	4,662	4,688	4,674	4,665	4,693
MANUFACTURING	20,832	20,996	21,199	21,157	20,633	21,063	21,079	20,957	20,954	20,958
<i>Production workers</i>	15,005	14,960	15,176	15,172	14,816	15,096	15,090	14,956	14,959	14,963
DURABLE GOODS	12,508	12,598	12,812	12,775	12,419	12,760	12,786	12,714	12,742	12,686
<i>Production workers</i>	8,994	8,907	9,123	9,116	8,908	9,123	9,124	9,044	9,070	9,029
Lumber and wood products	763,0	780,0	778,4	776,6	752	757	753	752	760	765
Furniture and fixtures	496,2	483,5	486,4	489,0	490	485	488	484	481	483
Stone, clay, and glass products	713,3	728,2	723,9	719,4	701	715	711	710	708	707
Primary metal industries	1,227,6	1,244,5	1,245,4	1,235,2	1,229	1,257	1,256	1,245	1,237	1,236
Fabricated metal products	1,707,2	1,716,1	1,736,3	1,745,3	1,692	1,737	1,730	1,714	1,717	1,730
Machinery, except electrical	2,362,1	2,467,1	2,498,8	2,450,2	2,369	2,484	2,500	2,492	2,499	2,456
Electric and electronic equipment	2,042,9	2,089,5	2,133,6	2,145,7	2,025	2,124	2,131	2,092	2,115	2,127
Transportation equipment	2,053,5	1,933,2	2,053,6	2,049,0	2,037	2,057	2,073	2,079	2,087	2,033
Instruments and related products	665,4	695,3	691,8	697,4	666	693	694	695	691	698
Miscellaneous manufacturing	476,5	460,6	463,1	467,3	458	451	450	451	447	449
NONDURABLE GOODS	8,324	8,398	8,387	8,382	8,214	8,303	8,293	8,243	8,212	8,272
<i>Production workers</i>	6,009	6,053	6,055	6,056	5,908	5,973	5,966	5,912	5,889	5,954
Food and kindred products	1,768,2	1,810,0	1,814,3	1,775,9	1,708	1,720	1,707	1,696	1,691	1,716
Tobacco manufacturers	76,4	69,0	72,5	73,6	69	69	68	64	66	66
Textile mill products	900,0	890,4	889,1	892,4	897	892	892	886	884	890
Apparel and other textile products	1,348,3	1,308,9	1,310,7	1,322,2	1,330	1,312	1,324	1,302	1,295	1,304
Paper and allied products	695,0	723,3	718,4	718,5	692	715	716	717	714	715
Printing and publishing	1,201,2	1,245,4	1,245,3	1,256,2	1,199	1,242	1,250	1,247	1,244	1,254
Chemicals and allied products	1,100,6	1,121,2	1,113,1	1,115,2	1,098	1,119	1,116	1,111	1,109	1,113
Petroleum and coal products	211,7	218,3	218,2	220,4	210	212	212	213	215	219
Rubber and misc. plastics products	766,6	765,8	762,3	765,7	755	775	777	764	751	754
Leather and leather products	256,3	245,8	242,6	241,7	256	247	229	243	243	241
SERVICE-PRODUCING	61,693	62,643	63,099	63,744	61,483	62,952	62,990	63,163	63,254	63,528
TRANSPORTATION AND PUBLIC UTILITIES	5,039	5,210	5,243	5,255	5,014	5,190	5,169	5,194	5,181	5,229
WHOLESALE AND RETAIL TRADE	19,813	20,137	20,240	20,352	19,744	20,116	20,122	20,126	20,149	20,281
WHOLESALE TRADE	5,050	5,211	5,203	5,250	5,025	5,180	5,182	5,185	5,187	5,224
RETAIL TRADE	14,763	14,926	15,037	15,102	14,719	14,936	14,940	14,941	14,962	15,057
FINANCE, INSURANCE, AND REAL ESTATE	4,788	5,053	5,000	5,020	4,793	4,958	4,972	5,003	4,995	5,025
SERVICES	16,497	17,312	17,254	17,325	16,464	17,051	17,092	17,141	17,220	17,290
GOVERNMENT	15,556	14,931	15,362	15,792	15,468	15,637	15,635	15,699	15,709	15,703
FEDERAL	2,746	2,844	2,787	2,777	2,760	2,786	2,785	2,813	2,798	2,791
STATE AND LOCAL	12,810	12,087	12,575	13,015	12,708	12,849	12,850	12,886	12,911	12,912

p=preliminary.

NOTE: Establishment data shown in tables B-1 through B-6 have been revised based on March 1978 benchmark levels and updated seasonal adjustment factors; consequently, they are not comparable with data published prior to the October 5, 1979 release. For a discussion of the effect of these revisions, see "BLS Establishment Estimates Revised to March 1978 Benchmark Levels," *Employment and Earnings*, October 1979, Vol. 26, No. 10.

ESTABLISHMENT DATA

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	OCT. 1978	AUG. 1979	SEPT. 1979 ^p	OCT. 1979 ^p	OCT. 1978	JUNE 1979	JULY 1979	AUG. 1979	SEPT. 1979 ^p	OCT. 1979 ^p
TOTAL PRIVATE	35.9	36.0	35.8	35.6	35.8	35.6	35.6	35.6	35.7	35.5
MINING	43.7	43.1	43.5	43.5	43.1	43.0	41.6	43.2	43.1	42.9
CONSTRUCTION	37.9	38.0	37.9	37.4	36.9	37.2	36.8	37.2	37.5	36.5
MANUFACTURING	40.6	40.0	40.3	40.2	40.5	40.1	40.2	40.1	40.1	40.1
Overtime hours	3.6	3.3	3.6	3.4	3.6	3.4	3.3	3.2	3.2	3.2
DURABLE GOODS	41.4	40.4	40.8	40.7	41.3	40.7	40.7	40.7	40.7	40.7
Overtime hours	4.1	3.4	3.6	3.5	3.9	3.6	3.5	3.3	3.3	3.3
Lumber and wood products	40.4	39.9	40.1	39.9	40.0	39.4	39.3	39.5	39.7	39.5
Furniture and fixtures	39.6	38.6	39.0	39.4	39.1	38.5	38.4	38.3	38.6	38.9
Stone, clay, and glass products	42.5	41.7	41.7	41.5	41.9	41.6	41.4	41.3	41.5	41.1
Primary metal industries	41.9	40.8	41.2	40.5	42.2	41.2	41.3	41.0	40.9	40.7
Fabricated metal products	41.0	40.5	40.9	40.9	40.9	40.7	40.8	40.6	40.8	40.8
Machinery, except electrical	42.0	41.3	41.8	41.4	42.0	42.0	41.9	41.6	41.8	41.4
Electric and electronic equipment	40.4	39.7	40.4	40.5	40.4	40.3	40.2	39.8	40.2	40.5
Transportation equipment	42.7	40.5	40.7	41.1	42.7	40.8	40.9	41.7	40.6	41.1
Instruments and related products	41.0	40.3	40.8	40.6	40.9	40.6	40.7	40.5	40.7	40.5
Miscellaneous manufacturing	39.1	38.9	39.3	39.3	38.9	38.9	39.3	39.1	39.1	39.1
NONDURABLE GOODS	39.5	39.4	39.6	39.4	39.4	39.2	39.2	39.2	39.3	39.3
Overtime hours	3.4	3.2	3.5	3.3	3.2	3.0	3.0	3.0	3.1	3.1
Food and kindred products	39.9	40.3	40.6	39.9	39.8	39.8	39.8	39.7	40.0	39.8
Tobacco manufacturers	37.6	37.6	39.0	38.6	37.1	37.6	38.5	38.0	38.5	38.1
Textile mill products	40.3	40.3	40.8	40.8	40.3	40.1	40.1	40.1	40.6	40.8
Apparel and other textile products	35.5	35.6	35.3	35.3	35.3	35.2	35.3	35.3	35.2	35.1
Paper and allied products	42.8	42.6	42.7	42.9	42.8	42.5	42.5	42.6	42.4	42.9
Printing and publishing	37.8	37.9	37.9	37.4	37.7	37.4	37.5	37.7	37.5	37.3
Chemicals and allied products	42.0	41.8	41.9	42.0	42.0	41.7	41.9	42.0	41.8	42.0
Petroleum and coal products	44.3	43.6	44.7	44.6	43.9	43.3	43.6	43.7	44.1	44.2
Rubber and misc. plastics products	41.3	40.0	40.5	40.3	41.1	40.7	40.6	40.2	40.3	40.1
Leather and leather products	37.0	36.6	36.6	36.3	37.0	36.4	36.6	36.5	36.8	36.3
TRANSPORTATION AND PUBLIC UTILITIES	40.0	40.3	40.1	39.9	40.0	39.8	39.7	39.9	40.1	39.9
WHOLESALE AND RETAIL TRADE	32.8	33.2	32.6	32.4	32.9	32.6	32.6	32.5	32.6	32.5
WHOLESALE TRADE	39.0	38.9	38.8	38.7	38.9	38.8	38.8	38.7	38.7	38.6
RETAIL TRADE	30.6	31.4	30.7	30.4	31.0	30.6	30.6	30.5	30.7	30.6
FINANCE, INSURANCE, AND REAL ESTATE	36.6	36.2	36.3	36.4	36.5	36.2	36.3	36.1	36.4	36.3
SERVICES	32.7	33.2	32.7	32.5	32.7	32.7	32.8	32.7	32.7	32.5

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. 1978	AUG. 1979	SEPT. 1979 ^P	OCT. 1979 ^P	OCT. 1978	AUG. 1979	SEPT. 1979 ^P	OCT. 1979 ^P
TOTAL PRIVATE	\$5.87	\$6.19	\$6.30	\$6.31	\$210.73	\$222.84	\$225.54	\$224.64
<i>Seasonally adjusted</i>	5.84	6.22	6.26	6.28	209.07	221.43	223.48	222.94
MINING	7.98	8.48	8.55	8.53	348.73	365.49	371.93	371.06
CONSTRUCTION	8.89	9.32	9.50	9.51	336.93	354.16	360.05	355.67
MANUFACTURING	6.33	6.69	6.80	6.83	257.00	267.60	274.04	274.57
DURABLE GOODS	6.76	7.12	7.24	7.27	279.86	287.65	295.39	295.89
Lumber and wood products	5.77	6.23	6.31	6.26	233.11	248.58	253.03	249.77
Furniture and fixtures	4.78	5.10	5.18	5.20	189.29	196.86	202.02	204.88
Stone, clay, and glass products	6.49	6.90	6.97	7.02	274.53	287.73	290.65	291.33
Primary metal industries	6.42	9.10	9.15	9.14	352.80	371.28	376.98	370.17
Fabricated metal products	6.49	6.83	6.93	6.98	266.09	276.62	283.44	285.48
Machinery, except electrical	6.95	7.35	7.50	7.51	291.90	303.56	313.50	310.91
Electric and electronic equipment	5.95	6.36	6.46	6.51	240.38	252.49	260.98	263.66
Transportation equipment	6.21	6.44	6.58	6.68	350.57	341.62	349.21	356.75
Instruments and related products	5.79	6.14	6.21	6.28	237.39	247.44	253.37	254.97
Miscellaneous manufacturing	4.76	5.04	5.07	5.11	186.12	196.06	199.25	200.82
NONDURABLE GOODS	5.65	6.04	6.11	6.14	223.18	237.98	241.96	241.92
Food and kindred products	5.89	6.28	6.34	6.38	235.01	253.08	257.40	254.56
Tobacco manufacturers	5.82	6.59	6.54	6.38	218.83	247.78	255.06	246.27
Textile mill products	4.42	4.77	4.81	4.84	178.13	192.23	196.25	197.47
Apparel and other textile products	4.02	4.21	4.28	4.32	142.71	149.68	151.08	152.50
Paper and allied products	6.68	7.22	7.31	7.36	265.90	307.57	312.14	315.74
Printing and publishing	6.61	6.94	7.05	7.05	249.86	263.03	267.20	263.67
Chemicals and allied products	7.19	7.65	7.71	7.77	301.98	319.77	323.05	326.34
Petroleum and coal products	5.70	9.35	9.51	9.53	385.41	407.66	425.10	425.04
Rubber and misc. plastics products	5.68	5.94	6.02	6.05	234.58	237.60	243.81	243.82
Leather and leather products	3.94	4.22	4.29	4.31	145.78	154.45	157.01	156.45
TRANSPORTATION AND PUBLIC UTILITIES	7.78	8.32	8.43	8.43	311.20	335.30	338.04	336.36
WHOLESALE AND RETAIL TRADE	4.79	5.06	5.13	5.14	157.11	167.99	167.24	166.54
WHOLESALE TRADE	6.05	6.41	6.51	6.51	235.95	249.35	252.59	251.94
RETAIL TRADE	4.29	4.52	4.58	4.59	132.13	141.93	140.61	139.54
FINANCE, INSURANCE, AND REAL ESTATE	5.02	5.29	5.38	5.37	183.73	191.50	195.29	195.47
SERVICES	5.11	5.30	5.45	5.47	167.10	175.96	176.22	177.78

¹ See footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

Table B-4. Hourly earnings index for production or nonsupervisory workers¹ on private nonagricultural payrolls by industry division, seasonally adjusted

[1967=100]

Industry	OCT. 1978	MAY 1979	JUNE 1979	JULY 1979	AUG. 1979	SEPT. ^P 1979	OCT. ^P 1979	Percent change from—	
								OCT. 1978=OCT. 1979	SEPT. 1979=OCT. 1979
TOTAL PRIVATE NONFARM:									
Current dollars	218.1	227.5	229.0	230.9	232.2	234.2	234.9	7.7	0.3
Constant (1967) dollars	108.7	108.1	105.7	105.6	105.1	104.8	N.A.	(2)	(3)
MINING	248.9	262.7	264.9	266.9	265.6	265.6	267.0	7.3	.5
CONSTRUCTION	210.5	220.4	220.4	222.1	223.1	224.3	224.5	6.6	.1
MANUFACTURING	220.8	232.3	233.9	235.4	236.9	238.7	240.3	8.8	.7
TRANSPORTATION AND PUBLIC UTILITIES	235.4	243.7	246.4	251.3	252.6	255.0	255.5	8.5	.2
WHOLESALE AND RETAIL TRADE	211.7	221.0	222.6	223.8	225.4	226.8	227.1	7.3	.1
FINANCE, INSURANCE, AND REAL ESTATE	199.6	207.0	208.0	210.8	211.5	214.4	213.3	6.8	-.5
SERVICES	217.2	224.3	225.7	227.0	228.4	231.4	232.0	6.8	.2

1 SEE FOOTNOTE 1, TABLE B-2.
 2 PERCENT CHANGE WAS -3.7 FROM SEPTEMBER 1978 TO SEPTEMBER 1979, THE LATEST MONTH AVAILABLE.
 3 PERCENT CHANGE WAS -.3 FROM AUGUST 1979 TO SEPTEMBER 1979, 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 workers¹ on private nonagricultural payrolls by industry, seasonally adjusted

[1967=100]

Industry division and group	1978					1979							
	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT. ^P	OCT. ^P
TOTAL PRIVATE	123.0	123.7	124.2	124.4	124.7	125.7	123.6	125.4	125.7	125.7	125.5	125.9	125.9
GOODS-PRODUCING	107.9	108.9	109.8	110.3	110.2	111.3	106.8	110.3	110.1	109.9	109.4	109.6	109.3
MINING	148.4	150.6	151.3	152.0	152.5	152.5	152.0	151.6	152.5	148.4	156.7	157.0	155.4
CONSTRUCTION	125.5	126.0	127.9	128.9	126.7	132.7	124.9	133.7	134.4	133.9	134.5	135.2	132.6
MANUFACTURING	103.4	104.4	105.1	105.6	105.8	106.0	102.0	104.7	104.3	104.4	103.3	103.4	103.5
DURABLE GOODS	106.8	107.9	108.8	109.2	109.9	110.1	105.0	108.3	107.9	107.9	106.8	107.1	106.6
Lumber and wood products	113.9	115.0	115.6	115.9	114.9	116.4	112.4	113.3	112.7	111.9	112.3	113.8	114.1
Furniture and fixtures	109.2	109.4	110.2	109.9	109.1	109.4	105.8	105.9	105.3	105.9	104.5	104.8	106.2
Stone, clay, and glass products	111.8	112.6	113.4	113.0	112.8	114.9	111.5	113.1	113.0	111.5	110.8	111.4	109.9
Primary metal industries	97.9	99.1	99.6	100.1	100.3	100.2	99.7	97.9	97.8	97.8	95.9	95.3	94.5
Fabricated metal products	105.1	106.5	107.8	107.6	108.7	108.6	102.7	106.6	107.1	106.7	104.8	105.7	106.2
Machinery, except electrical	112.4	113.5	115.3	115.8	117.4	117.5	113.0	117.4	117.6	118.0	116.2	117.7	115.4
Electric and electronic equipment	103.7	104.6	105.5	106.6	107.8	108.5	104.4	108.4	108.6	108.5	104.7	106.4	108.6
Transportation equipment	103.6	104.9	105.6	105.9	106.9	105.9	94.3	102.0	99.4	100.3	102.6	100.3	97.3
Instruments and related products	124.8	125.7	126.3	128.2	129.4	129.7	127.2	128.1	128.4	128.1	127.2	127.2	129.0
Miscellaneous manufacturing industry	101.8	102.1	101.8	102.3	101.7	101.7	97.5	98.7	100.3	100.7	100.8	100.2	100.2
NONDURABLE GOODS	98.5	99.5	99.8	100.3	99.8	100.1	97.8	99.5	99.1	99.1	98.2	98.0	99.0
Food and kindred products	95.2	96.4	97.7	98.1	97.0	98.1	96.6	97.0	96.8	95.9	94.6	95.0	96.2
Tobacco manufacturers	71.7	72.4	73.6	71.8	70.0	73.4	73.9	76.5	72.6	73.0	66.7	70.3	70.9
Textile mill products	90.6	91.0	91.0	91.9	90.3	90.6	86.7	89.5	89.6	89.8	89.0	89.9	91.0
Apparel and other textile products	90.6	91.3	91.0	91.0	90.3	89.9	86.8	89.5	88.7	89.5	88.0	87.3	87.9
Paper and allied products	98.8	100.4	100.7	101.1	101.8	103.0	100.8	102.3	102.1	103.2	103.1	102.1	103.6
Printing and publishing	99.8	101.4	101.5	102.5	103.1	103.4	101.7	103.1	103.3	104.4	104.7	103.7	104.5
Chemicals and allied products	107.3	108.1	107.8	108.7	108.5	108.1	107.7	108.3	108.4	108.8	108.2	107.5	109.2
Petroleum and coal products	123.0	124.4	123.6	122.7	123.9	125.0	125.7	124.2	123.1	123.0	124.2	126.2	131.0
Rubber and misc. plastics products	147.8	149.9	152.0	153.5	154.0	154.4	148.4	153.4	150.4	150.5	145.6	143.5	144.0
Leather and leather products	70.2	69.4	68.4	67.9	68.6	66.1	63.9	65.4	66.0	61.3	64.9	65.7	64.5
SERVICE-PRODUCING	133.5	134.0	134.2	134.2	134.8	135.8	135.3	135.9	136.5	136.7	136.6	137.3	137.5
TRANSPORTATION AND PUBLIC UTILITIES	111.7	112.0	112.5	112.8	113.3	113.7	109.2	113.4	115.0	114.2	115.2	115.4	116.0
WHOLESALE AND RETAIL TRADE	129.0	129.2	129.5	129.0	129.3	130.2	130.6	130.2	130.0	129.9	129.6	130.3	130.8
WHOLESALE TRADE	129.4	129.6	130.5	130.5	130.8	132.3	131.3	132.8	132.8	132.7	132.4	132.4	133.3
RETAIL TRADE	128.8	129.0	129.0	128.5	128.7	129.3	130.3	129.1	128.9	128.9	128.5	129.5	129.8
FINANCE, INSURANCE, AND REAL ESTATE	141.8	142.6	142.7	143.3	144.1	144.6	145.5	144.5	145.7	146.5	146.3	147.1	147.5
SERVICES	147.3	148.3	148.4	148.6	149.5	151.1	151.0	151.7	152.6	153.5	153.4	154.1	153.8

¹ See footnote 1, table B-2.

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
1976				
January.....	77.0	85.8	86.9	84.0
February.....	70.3	84.3	85.8	83.7
March.....	69.2	82.3	79.4	85.2
April.....	70.6	73.8	72.4	77.6
May.....	59.6	64.8	67.7	82.6
June.....	51.7	62.5	71.5	80.2
July.....	59.0	56.4	60.8	78.2
August.....	54.4	68.3	66.9	77.3
September.....	68.9	55.8	68.6	78.8
October.....	47.4	66.9	73.8	79.4
November.....	65.1	62.2	77.5	80.8
December.....	66.0	78.8	78.2	82.6
1977				
January.....	73.0	80.2	86.3	80.5
February.....	67.2	84.3	84.6	81.4
March.....	72.4	82.6	84.0	82.8
April.....	71.5	81.7	82.3	84.6
May.....	70.3	76.5	79.1	85.2
June.....	65.1	72.7	77.6	86.6
July.....	70.3	70.3	75.3	84.9
August.....	57.8	70.9	76.7	83.1
September.....	67.2	67.7	79.7	83.1
October.....	64.2	76.2	80.5	82.8
November.....	73.3	79.7	84.0	81.1
December.....	75.3	79.4	82.3	82.0
1978				
January.....	68.3	80.2	83.1	81.4
February.....	69.2	75.6	79.1	83.1
March.....	69.5	77.3	77.6	81.1
April.....	68.0	69.8	73.5	82.0
May.....	57.8	67.2	72.7	81.7
June.....	66.6	66.6	71.2	82.3
July.....	64.5	69.5	73.0	81.4
August.....	60.5	67.2	77.3	78.2
September.....	62.5	71.2	79.7	77.9
October.....	73.0	78.2	82.3	73.5
November.....	75.9	81.1	82.3	76.2
December.....	74.4	82.3	80.5	71.8
1979				
January.....	70.3	76.5	74.1	71.8
February.....	65.1	72.1	67.4	70.6
March.....	60.5	57.8	61.9	63.7p
April.....	44.8	55.2	58.1	66.0p
May.....	54.7	51.5	50.3	
June.....	57.0	58.4	46.8p	
July.....	61.6	56.7	59.6p	
August.....	48.8	52.6p		
September.....	47.7p	60.5p		
October.....	74.7p			
November.....				
December.....				

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

Chart 1. Civilian labor force and employment
(Seasonally adjusted)

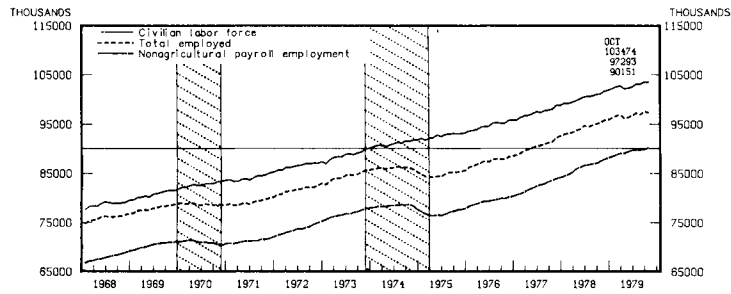


Chart 2. Unemployment rate--all civilian workers

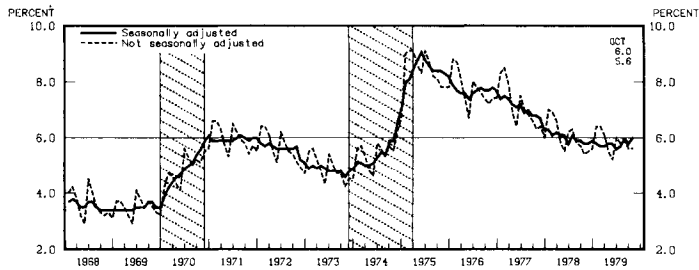
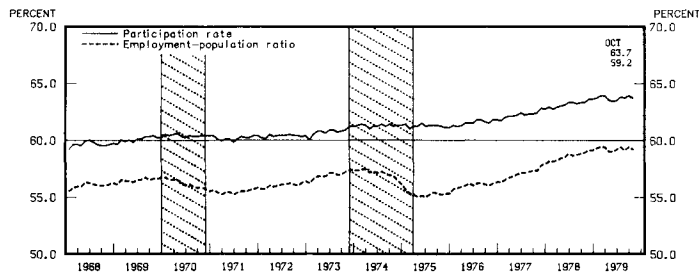


Chart 3. Civilian labor force participation rate and total employment-population ratio
(Seasonally adjusted)



Note: The shaded areas depict the business cycle peaks and troughs as designated by the National Bureau of Economic Research.

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