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THE EMPLOYMENT SITUATION: JULY 1979

Total employment rose in July and unemployment was virtually unchanged, the Bureau of Labor Statistics of the U.S. Department of Labor reported today. The Nation's overall unemployment rate was 5.7 percent, little different from the June rate of 5.6 percent and similar to those which have prevailed since August 1978.

Total employment--as measured by the monthly survey of households--rose by 450,000 to 97.2 million. In contrast, nonfarm payroll employment--as measured by the monthly survey of establishments--was about unchanged over the month at 88.8 million. Over the past year and also since March, however, the two surveys have registered comparable net growth in nonagricultural employment.

Unemployment

Both the unemployment rate, 5.7 percent, and the number of unemployed, 5.8 million, were about the same as in June, and have remained near these levels since last August. An increase in the rate of joblessness for adult men (to 4.1 percent) was about offset by a slight decrease in the rate for adult women (to 5.5 percent). Married women and women who head families both experienced slight declines in their unemployment rate, while the rate for married men increased. The jobless rate for teenagers, which had declined 1-1/2 percentage points in June to 15.3 percent, was unchanged in July. The overall unemployment situation for both blacks and whites was about unchanged from June. (See tables A-1 and A-2.)

Among the unemployed, the number who had lost their last job rose by 175,000 in July, while those seeking their first job declined by over 90,000. The median duration of unemployment edged up above 6 weeks, as increases were registered in the number of persons unemployed between 5 and 14 weeks. (See tables A-4 and A-5.)

Total Employment and the Labor Force

Total employment in July advanced by 450,000 to 97.2 million. This increase, coupled with gains in May and June, raised the number of employed persons 370,000 above the March level. The employment-population ratio returned to its February-March record level of 59.4 percent.

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The entire July increase in employment took place among adult women, as both white and black women posted strong gains. Adult males of both races had about the same employment levels as they had in June; teenage employment was also about unchanged.

The civilian labor force grew by 530,000 over the month to 103.1 million, 2.4 million above its year-earlier level. Most of this labor force growth occurred before March. At 63.8 percent, the civilian labor force participation rate was a half point above a year earlier. Adult women accounted for most of the over-the-year increase in labor force participation; their participation rate in July was a record 50.7 percent. (See table A-1.)

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

Selected categories	Quarterly averages					Monthly data		
	1978			1979		1979		
	II	III	IV	I	II	May	June	July
HOUSEHOLD DATA								
	Thousands of persons							
Civilian labor force.....	100,127	100,753	101,524	102,475	102,295	102,247	102,528	103,059
Total employment.....	94,099	94,726	95,616	96,596	96,415	96,318	96,754	97,210
Unemployment.....	6,028	6,027	5,908	5,878	5,880	5,929	5,774	5,848
Not in labor force.....	58,478	58,482	58,398	58,095	58,886	58,935	58,865	58,545
Discouraged workers.....	851	853	760	724	826	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers.....	6.0	6.0	5.8	5.7	5.7	5.8	5.6	5.7
Adult men.....	4.2	4.1	4.0	4.0	3.9	3.9	3.9	4.1
Adult women.....	6.1	6.1	5.8	5.7	5.7	5.8	5.8	5.5
Teenagers.....	16.1	16.1	16.3	15.8	16.2	16.8	15.3	15.3
White.....	5.2	5.2	5.1	5.0	4.9	5.0	4.9	4.9
Black and other.....	12.1	11.7	11.5	11.4	11.6	11.6	11.3	10.8
Full-time workers.....	5.5	5.5	5.2	5.2	5.2	5.2	5.1	5.3
ESTABLISHMENT DATA								
	Thousands of jobs							
Nonfarm payroll employment.....	85,677	86,115	86,963	87,868	88,499	88,539	88,709	88,753p
Goods-producing industries.....	25,376	25,478	25,857	26,241	26,408	26,423	26,451	26,445p
Service-producing industries.....	60,302	60,637	61,106	61,628	62,090	62,116	62,258	62,308p
Hours of work								
Average weekly hours:								
Total private nonfarm.....	36.0	35.8	35.9	35.8	35.6p	35.7	35.7p	35.7p
Manufacturing.....	40.6	40.4	40.6	40.7	39.8p	40.2	40.1p	40.2p
Manufacturing overtime.....	3.6	3.5	3.7	3.8	3.2p	3.4	3.3p	3.3p

p=preliminary

N.A.=not available

Industry Payroll Employment

Nonfarm payroll employment was essentially unchanged in July at 88.8 million, following moderate growth over the prior 3 months; this was in marked contrast to the sharp job increases which occurred in the 6-month period around the turn of the year. In July, job gains took place in 51 percent of the 172 industries comprising the BLS diffusion index of nonfarm payroll employment. (See tables B-1 and B-6.)

Employment in the goods-producing sector was unchanged from June, as gains in mining and construction (including nearly 10,000 returning strikers) were offset by a reduction in manufacturing. The largest manufacturing declines occurred in nondurable goods, with reductions of 35,000 in food processing and 20,000 in leather. Within the durable goods industries, decreases of 15,000 each took place in the fabricated metal and miscellaneous manufacturing industries, and there was a 10,000 cutback in primary metals. Total factory employment has dropped by about 130,000 since March.

Employment in the service-producing sector was little changed over the month. Small job gains were evident in the services industry and in finance, insurance, and real estate, while the other service-producing industries remained at about June levels.

Hours

The average workweek of production or nonsupervisory workers on private nonagricultural payrolls was 35.7 hours in July, unchanged from both June and May. Manufacturing hours edged up a tenth of an hour over the month, a return to the May level. Factory overtime, at 3.3 hours, was unchanged from June. All three of these indicators were still below March levels. (See table B-2.)

Reflecting the leveling in both employment and weekly hours over the month, the index of aggregate weekly hours was unchanged in July. The index was up 2.9 percent from July 1978, resulting entirely from the strong over-the-year employment growth. (See table B-5.)

Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls rose 0.7 percent in July and were 8.1 percent above the July 1978 level (seasonally

adjusted). Average weekly earnings also rose 0.7 percent in July and were up 7.5 percent over the year.

Before adjustment for seasonality, average hourly earnings rose 4 cents in July to \$6.15, 46 cents above July 1978; average weekly earnings were \$221.40 in July, \$1.44 above June and \$14.85 above July 1978. (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 230.3 (1967=100) in July, 0.7 percent higher than in June. The index was 7.6 percent above July a year ago. During the 12-month period ended in June, the Hourly Earnings Index in dollars of constant purchasing power declined 3.0 percent. (See table B-4.)

Explanatory Note

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

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

Comparability of household and payroll employment statistics

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

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

Unemployment

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

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

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

Seasonal adjustment

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

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 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 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 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					
	July	June	July	July	Mar.	Apr.	May	June	July
	1978	1979	1979	1978	1979	1979	1979	1979	1979
TOTAL									
Total noninstitutional population ¹	161,148	163,469	163,685	161,148	162,909	163,008	163,260	163,469	163,685
Armed Forces ¹	2,116	2,076	2,082	2,116	2,090	2,082	2,078	2,076	2,082
Civilian noninstitutional population ¹	159,032	161,393	161,604	159,032	160,819	160,926	161,182	161,393	161,604
Civilian labor force	102,639	104,153	104,995	100,622	102,714	102,111	102,247	102,528	103,059
Participation rate	64.5	64.5	65.0	63.3	63.9	63.5	63.4	63.5	63.8
Employed	96,202	97,917	98,891	94,446	96,842	96,174	96,318	96,754	97,210
Employment-population ratio ²	59.7	59.9	60.4	58.6	59.4	59.0	59.0	59.2	59.4
Agriculture	3,997	3,785	3,857	3,377	3,343	3,186	3,184	3,260	3,262
Nonagricultural industries	92,204	94,132	95,034	91,069	93,499	92,987	93,134	93,494	93,949
Unemployed	6,438	6,235	6,104	6,176	5,871	5,937	5,929	5,774	5,848
Unemployment rate	6.3	6.0	5.8	6.1	5.7	5.8	5.8	5.6	5.7
Not in labor force	56,393	57,240	56,609	58,410	58,105	58,815	58,935	58,865	58,545
Men, 20 years and over									
Total noninstitutional population ¹	58,729	69,889	69,995	68,729	69,612	69,663	69,787	69,889	69,995
Civilian noninstitutional population ¹	67,039	68,227	68,319	67,039	67,939	67,997	68,123	68,227	68,319
Civilian labor force	53,956	54,860	55,101	53,401	54,444	54,243	54,261	54,395	54,567
Participation rate	80.5	80.4	80.7	79.7	80.1	79.9	79.7	79.7	79.9
Employed	51,880	52,852	52,966	51,214	52,264	52,056	52,157	52,299	52,312
Employment-population ratio ²	75.5	75.6	75.7	74.5	75.1	74.7	74.7	74.8	74.7
Agriculture	2,599	2,509	2,520	2,396	2,355	2,271	2,274	2,306	2,323
Nonagricultural industries	49,281	50,343	50,446	48,818	49,909	49,785	49,883	49,993	49,996
Unemployed	2,076	2,008	2,134	2,187	2,180	2,187	2,105	2,096	2,249
Unemployment rate	3.8	3.7	3.9	4.1	4.0	4.0	3.9	3.9	4.1
Not in labor force	13,083	13,367	13,218	13,638	13,495	13,754	13,862	13,832	13,752
Women, 20 years and over									
Total noninstitutional population ¹	75,643	76,896	77,014	75,643	76,589	76,645	76,782	76,896	77,014
Civilian noninstitutional population ¹	75,537	76,784	76,897	75,537	76,476	76,532	76,670	76,784	76,897
Civilian labor force	36,818	38,251	38,214	37,573	38,642	38,345	38,560	38,596	39,010
Participation rate	48.7	49.8	49.7	49.7	50.5	50.1	50.3	50.3	50.7
Employed	34,384	36,058	36,045	35,160	36,440	36,165	36,323	36,373	36,861
Employment-population ratio ²	45.5	46.9	46.8	46.5	47.6	47.2	47.3	47.3	47.9
Agriculture	759	741	748	593	613	580	543	592	584
Nonagricultural industries	33,625	35,316	35,297	34,567	35,827	35,584	35,780	35,781	36,276
Unemployed	2,434	2,194	2,169	2,413	2,201	2,180	2,237	2,223	2,150
Unemployment rate	6.6	5.7	5.7	6.4	5.7	5.7	5.8	5.8	5.5
Not in labor force	38,719	38,533	38,683	37,964	37,834	38,187	38,110	38,188	37,887
Both sexes, 16-19 years									
Total noninstitutional population ¹	16,776	16,684	16,677	16,776	16,709	16,700	16,692	16,684	16,677
Civilian noninstitutional population ¹	16,455	16,381	16,387	16,455	16,404	16,397	16,389	16,381	16,387
Civilian labor force	11,865	11,041	11,680	9,648	9,628	9,523	9,426	9,537	9,481
Participation rate	72.1	67.4	71.3	58.6	58.7	58.1	57.5	58.2	57.9
Employed	9,937	9,007	9,879	8,072	8,138	7,953	7,839	8,082	8,031
Employment-population ratio ²	59.2	54.0	59.2	48.1	48.7	47.6	47.0	48.4	48.2
Agriculture	639	535	589	388	375	335	368	362	355
Nonagricultural industries	9,299	8,472	9,290	7,684	7,763	7,618	7,471	7,720	7,676
Unemployed	1,927	2,034	1,801	1,576	1,490	1,570	1,587	1,455	1,450
Unemployment rate	16.2	18.4	15.4	16.3	15.5	16.5	16.8	15.3	15.3
Not in labor force	4,591	5,340	4,707	6,807	6,776	6,874	6,963	6,844	6,906
White									
Total noninstitutional population ¹	141,366	143,137	143,303	141,366	142,720	142,773	142,978	143,137	143,303
Civilian noninstitutional population ¹	139,660	141,492	141,661	139,660	141,063	141,123	141,331	141,492	141,661
Civilian labor force	90,179	91,596	92,185	88,503	90,415	89,923	90,018	90,279	90,554
Participation rate	64.6	64.7	65.1	63.4	64.1	63.7	63.7	63.8	63.9
Employed	85,410	86,919	87,607	83,857	85,938	85,479	85,515	85,871	86,093
Employment-population ratio ²	60.4	60.7	61.1	59.3	60.2	59.9	59.8	60.0	60.1
Unemployed	4,769	4,677	4,578	4,646	4,478	4,444	4,503	4,409	4,460
Unemployment rate	5.3	5.1	5.0	5.2	5.0	4.9	5.0	4.9	4.9
Not in labor force	49,481	49,897	49,475	51,157	50,648	51,200	51,313	51,213	51,107
Black and other									
Total noninstitutional population ¹	19,782	20,331	20,382	19,782	20,189	20,234	20,282	20,331	20,382
Civilian noninstitutional population ¹	19,371	19,901	19,943	19,371	19,755	19,802	19,850	19,901	19,943
Civilian labor force	12,460	12,557	12,810	12,010	12,251	12,175	12,176	12,272	12,364
Participation rate	64.3	63.1	64.2	62.0	62.0	61.5	61.3	61.7	62.0
Employed	10,791	10,998	11,284	10,533	10,878	10,734	10,767	10,883	11,025
Employment-population ratio ²	54.5	54.1	55.4	53.2	53.9	53.0	53.1	53.5	54.1
Unemployed	1,668	1,559	1,526	1,477	1,378	1,442	1,409	1,389	1,338
Unemployment rate	13.4	12.4	11.9	12.3	11.2	11.8	11.6	11.3	10.8
Not in labor force	6,912	7,344	7,133	7,361	7,504	7,627	7,674	7,629	7,579

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					
	July	July	July	Mar.	Apr.	May	June	July
	1978	1979	1978	1979	1979	1979	1979	1979
CHARACTERISTICS								
Total, 16 years and over	6,176	5,848	6.1	5.7	5.8	5.8	5.6	5.7
Men, 20 years and over	2,187	2,249	4.1	4.0	4.0	3.9	3.9	4.1
Women, 20 years and over	2,413	2,150	6.4	5.7	5.7	5.8	5.8	5.5
Both sexes, 16-19 years	1,576	1,450	16.3	15.5	16.5	16.8	15.3	15.3
White, total	4,646	4,460	5.2	5.0	4.9	5.0	4.9	4.9
Men, 20 years and over	1,718	1,762	3.6	3.4	3.4	3.3	3.4	3.6
Women, 20 years and over	1,778	1,582	5.5	5.0	4.9	5.1	5.0	4.7
Both sexes, 16-19 years	1,150	1,116	13.6	13.6	13.9	14.3	13.0	13.3
Black and other, total	1,477	1,338	12.3	11.2	11.8	11.6	11.3	10.8
Men, 20 years and over	475	493	8.3	8.8	8.6	8.4	7.9	8.3
Women, 20 years and over	592	528	11.4	9.8	10.8	9.9	10.8	9.8
Both sexes, 16-19 years	410	317	36.1	31.5	34.5	36.9	34.0	30.9
Married men, spouse present	1,075	1,149	2.7	2.6	2.7	2.5	2.6	2.9
Married women, spouse present	1,279	1,160	5.5	5.1	5.2	5.2	5.2	4.8
Women who head families	475	407	9.8	8.3	8.4	8.9	9.1	8.1
Full-time workers	4,890	4,624	5.7	5.1	5.3	5.2	5.1	5.3
Part-time workers	1,318	1,256	8.9	9.2	8.8	9.6	8.6	8.2
Unemployed 15 weeks and over ¹	1,314	1,052	1.3	1.3	1.2	1.2	1.1	1.0
Labor force time lost ²	--	--	6.8	6.1	6.5	6.3	6.3	6.4
OCCUPATION³								
White-collar workers	1,910	1,629	3.7	3.4	3.3	3.2	3.4	3.2
Professional and technical	372	391	2.5	2.1	2.2	2.0	2.5	2.5
Managers and administrators, except farm	226	207	2.2	2.2	2.3	2.2	2.0	1.9
Sales workers	272	222	4.3	4.1	4.0	4.0	4.5	3.5
Clerical workers	940	808	5.3	4.9	4.5	4.6	4.6	4.4
Blue-collar workers	2,257	2,324	6.7	6.6	6.9	6.7	6.5	6.8
Craft and kindred workers	512	569	4.0	4.6	4.2	4.0	4.2	4.2
Operatives, except transport	977	987	8.2	7.7	8.6	8.3	7.7	8.3
Transport equipment operatives	211	198	5.7	5.2	6.0	5.4	5.5	5.2
Nonfarm laborers	557	570	10.6	10.3	10.5	11.1	10.3	10.9
Service workers	1,030	982	7.4	7.2	7.4	7.2	7.2	7.2
Farm workers	113	126	3.9	3.2	3.4	3.5	3.1	4.5
INDUSTRY³								
Nonagricultural private wage and salary workers ⁴	4,366	4,302	6.0	5.5	5.7	5.7	5.6	5.7
Construction	471	480	9.6	10.2	10.3	9.6	9.6	9.5
Manufacturing	1,226	1,321	5.5	5.2	5.4	5.4	5.3	5.8
Durable goods	558	760	5.0	4.3	4.6	4.4	4.8	5.5
Nondurable goods	568	561	6.3	6.4	6.5	7.0	6.2	6.2
Transportation and public utilities	216	219	4.1	4.0	2.9	3.5	3.0	3.9
Wholesale and retail trade	1,272	1,149	6.8	6.2	6.6	6.4	6.8	6.2
Finance and service industries	1,155	1,088	5.4	4.7	4.8	5.0	4.7	4.9
Government workers	647	558	4.1	4.1	3.6	3.5	3.6	3.5
Agricultural wage and salary workers	147	163	9.6	7.7	8.6	9.3	7.7	10.4

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					
	July	July	July	Mar.	Apr.	May	June	July
	1978	1979	1978	1979	1979	1979	1979	1979
CHARACTERISTICS								
Total employed, 18 years and over	96,202	99,991	96,446	96,842	96,174	96,318	96,754	97,210
Men	57,324	58,350	55,531	56,559	56,267	56,352	56,618	56,595
Women	38,877	40,541	39,915	40,283	39,907	39,966	40,116	40,615
Married men, spouse present	38,797	39,320	38,635	39,291	38,917	38,988	39,055	39,163
Married women, spouse present	21,004	22,020	21,817	22,700	22,355	22,493	22,580	22,890
OCCUPATION								
White-collar workers	46,886	49,155	47,276	49,133	49,160	49,104	49,165	49,573
Professional and technical	13,712	14,491	14,249	15,087	15,227	15,279	15,051	15,063
Managers and administrators, except farm	10,233	10,696	10,212	10,407	10,409	10,374	10,565	10,675
Sales workers	6,053	6,223	5,992	6,067	6,079	6,091	6,065	6,161
Clerical workers	15,888	17,744	16,823	17,577	17,446	17,419	17,481	17,673
Blue-collar workers	32,843	33,534	31,282	32,085	31,582	31,826	31,959	31,949
Craft and kindred workers	12,755	13,397	12,220	12,808	12,697	12,790	13,001	12,832
Operatives, except transport	11,058	11,038	10,377	11,060	10,651	10,664	10,759	10,853
Transport equipment operatives	3,490	3,614	3,487	3,565	3,550	3,667	3,596	3,610
Nonfarm laborers	5,540	5,485	4,698	4,652	4,684	4,706	4,600	4,652
Service workers	13,133	13,032	12,803	12,856	12,909	12,754	12,986	12,697
Farm workers	3,339	3,170	2,797	2,803	2,624	2,600	2,681	2,657
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,731	1,752	1,386	1,419	1,362	1,439	1,445	1,403
Self-employed workers	1,781	1,686	1,641	1,595	1,531	1,490	1,525	1,552
Unpaid family workers	486	420	340	324	282	270	293	294
Nonagricultural industries:								
Wage and salary workers	85,327	87,563	84,064	86,592	86,195	86,129	86,309	86,277
Government	14,660	14,844	15,184	15,224	15,356	15,635	15,257	15,382
Private industries	70,668	72,719	68,880	71,368	70,839	70,494	71,051	70,895
Private households	1,440	1,278	1,171	1,255	1,160	1,177	1,216	1,217
Other industries	69,228	71,441	67,509	70,112	69,679	69,317	69,816	69,678
Self-employed workers	6,386	6,935	6,216	6,585	6,468	6,625	6,600	6,751
Unpaid family workers	491	536	485	443	471	466	482	529
PERSONS AT WORK¹								
Nonagricultural industries	80,885	81,558	86,102	87,955	86,345	87,727	87,843	89,074
Full-time schedules	67,967	70,066	70,929	72,623	71,554	72,476	72,230	73,138
Part time for economic reasons	3,918	3,931	3,316	3,179	3,312	3,307	3,416	3,340
Usually work full time	1,253	1,296	1,347	1,235	1,265	1,246	1,816	1,394
Usually work part time	2,665	2,635	1,969	1,944	2,048	2,061	2,000	1,946
Part time for noneconomic reasons	9,000	9,561	11,857	12,154	11,479	11,943	12,198	12,597

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					
	July	July	July	Mar.	Apr.	May	June	July
	1978	1979	1978	1979	1979	1979	1979	1979
DURATION								
Less than 5 weeks	3,176	2,979	2,967	2,751	2,939	2,787	2,927	2,784
5 to 14 weeks	2,041	2,147	1,973	1,857	1,874	1,935	1,782	1,970
15 weeks and over	1,221	977	1,314	1,305	1,235	1,213	1,086	1,052
15 to 26 weeks	551	510	668	729	692	705	616	600
27 weeks and over	670	468	646	576	543	508	470	451
Average (mean) duration, in weeks	11.3	9.6	11.8	11.7	11.0	11.1	10.4	10.0
Median duration, in weeks	5.1	5.2	6.0	5.8	5.2	5.2	5.6	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	49.3	48.8	48.2	46.5	48.6	47.0	50.5	48.0
5 to 14 weeks	31.7	35.2	30.4	31.4	31.0	32.6	30.8	33.9
15 weeks and over	19.0	16.0	21.4	22.1	20.4	20.4	18.7	18.1
15 to 26 weeks	8.6	8.3	10.9	12.3	11.4	11.9	10.6	10.3
27 weeks and over	10.4	7.7	10.5	9.7	9.0	8.6	8.1	7.8

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Table A-5. Reasons for unemployment

(Numbers in thousands)

Reasons	Not seasonally adjusted		Seasonally adjusted					
	July	July	July	Mar.	Apr.	May	June	July
	1978	1979	1978	1979	1979	1979	1979	1979
NUMBER OF UNEMPLOYED								
Lost last job	2,407	2,403	2,536	2,440	2,521	2,361	2,358	2,532
On layoff	639	728	696	789	846	710	796	793
Other job losers	1,768	1,675	1,840	1,652	1,675	1,652	1,562	1,739
Left last job	907	889	855	863	847	951	867	838
Reentered labor force	1,909	1,773	1,870	1,788	1,790	1,762	1,738	1,737
Seeking first job	1,215	1,038	971	822	811	841	787	694
PERCENT OF DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	37.4	39.3	41.4	41.3	42.2	39.9	41.0	43.7
On layoff	9.9	11.9	11.4	13.3	14.2	12.0	13.8	13.7
Other job losers	27.5	27.4	30.0	27.9	28.1	27.9	27.2	30.0
Job leavers	14.1	14.6	13.9	14.6	14.2	16.1	15.1	14.4
Reentrants	29.7	29.0	30.5	30.2	30.0	29.8	30.2	29.9
New entrants	18.9	17.0	14.2	13.9	13.6	14.2	13.7	12.0
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.3	2.3	2.5	2.4	2.5	2.3	2.3	2.5
Job leavers9	.8	.8	.8	.8	.9	.8	.8
Reentrants	1.9	1.7	1.9	1.7	1.8	1.7	1.7	1.7
New entrants	1.2	1.0	.9	.8	.8	.8	.8	.7

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

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	July	July	July	Mar.	Apr.	May	June	July
	1978	1979	1978	1979	1979	1979	1979	1979
Total, 16 years and over								
16 to 19 years	6,176	5,848	6.1	5.7	5.8	5.8	5.6	5.7
16 to 17 years	1,576	1,450	16.3	15.5	16.5	16.8	15.3	15.3
18 to 17 years	824	665	20.0	18.9	19.1	19.2	16.7	17.1
18 to 19 years	763	794	13.9	13.1	14.3	15.2	14.1	14.4
20 to 24 years	1,479	1,379	9.9	8.8	8.5	8.9	8.9	9.0
25 years and over	3,152	3,050	4.1	3.9	4.0	3.8	3.8	3.9
25 to 54 years	2,648	2,540	4.3	4.1	4.2	4.0	4.0	4.0
55 years and over	465	472	3.2	3.1	3.1	3.2	2.9	3.2
Men, 16 years and over								
16 to 19 years	2,971	2,997	5.1	5.0	5.1	4.9	4.7	5.0
16 to 17 years	784	748	15.4	16.0	16.2	16.1	14.1	14.9
18 to 17 years	404	311	18.6	19.9	18.0	19.0	15.8	15.2
18 to 19 years	378	435	13.0	13.2	14.2	14.1	13.5	14.9
20 to 24 years	712	723	8.9	8.4	7.8	8.0	8.0	8.8
25 years and over	1,487	1,538	3.3	3.2	3.3	3.1	3.1	3.3
25 to 54 years	1,185	1,231	3.3	3.3	3.4	3.1	3.1	3.3
55 years and over	305	310	3.4	2.8	3.0	2.9	3.1	3.4
Women, 16 years and over								
16 to 19 years	3,205	2,852	7.6	6.7	6.9	7.0	6.9	6.6
16 to 17 years	792	702	17.4	14.8	16.8	17.7	16.6	15.8
18 to 17 years	420	355	21.6	17.8	20.2	19.3	17.7	19.2
18 to 19 years	385	359	14.8	13.0	14.4	16.4	14.8	13.8
20 to 24 years	767	656	11.0	9.4	9.4	9.9	9.9	9.3
25 years and over	1,665	1,512	5.4	4.8	4.9	5.0	4.8	4.7
25 to 54 years	1,463	1,309	5.8	5.2	5.2	5.2	5.3	5.0
55 years and over	160	163	2.9	3.6	3.1	3.7	2.7	2.9

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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		
	1978			1979		1979		
	II	III	IV	I	II	May	June	July
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force	1.4	1.3	1.2	1.2	1.2	1.2	1.1	1.0
U-2—Job losers as a percent of the civilian labor force	2.5	2.4	2.4	2.4	2.4	2.3	2.3	2.5
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over	4.1	4.1	3.9	3.9	3.9	3.8	3.8	3.9
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force	5.5	5.5	5.2	5.2	5.2	5.2	5.1	5.3
U-5—Total unemployed as a percent of the civilian labor force (official measure)	6.0	6.0	5.8	5.7	5.7	5.8	5.6	5.7
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons as a percent of the civilian labor force less ½ of the part-time labor force	7.6	7.5	7.2	7.2	7.3	7.3	7.2	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	8.4	8.4	8.0	7.9	8.1	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	
	July 1978	July 1979	July 1978	July 1979	July 1978	July 1979	July 1978	July 1979
TOTAL								
Civilian noninstitutional population	159,032	161,604	139,660	141,661	16,654	17,032	7,867	8,021
Civilian labor force	102,639	104,995	90,179	92,185	10,630	10,870	5,032	5,178
Percent of population	64.5	65.0	64.6	65.1	63.8	63.8	64.0	64.6
Employment	96,202	98,891	85,410	87,607	9,140	9,447	4,525	4,733
Agriculture	3,997	3,857	3,637	3,525	279	255	288	254
Nonagricultural industries	92,204	95,034	81,773	84,083	8,861	9,192	4,237	4,480
Unemployment	6,438	6,104	4,769	4,578	1,491	1,423	507	445
Unemployment rate	6.3	5.8	5.3	5.0	14.0	13.1	10.1	8.6
Not in labor force	56,393	56,609	49,481	49,475	6,024	6,162	2,835	2,843

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 noninsti- tutional population		Civilian labor force							
			Total		Employed		Unemployed			
							Number		Percent of labor force	
	July 1978	July 1979	July 1978	July 1979	July 1978	July 1979	July 1978	July 1979	July 1978	July 1979
VETERANS¹										
Total, 20 years and over	8,334	8,541	7,874	8,163	7,530	7,849	344	314	4.4	3.8
20 to 24 years	751	548	697	509	629	450	68	59	9.8	11.6
25 to 39 years	6,866	7,140	6,575	6,923	6,317	6,683	258	240	3.9	3.5
25 to 29 years	2,337	1,945	2,197	1,869	2,057	1,773	140	96	6.4	5.1
30 to 34 years	3,394	3,613	3,283	3,505	3,197	3,399	86	106	2.6	3.0
35 to 39 years	1,135	1,582	1,095	1,549	1,063	1,511	32	38	2.9	2.5
40 years and over	717	853	602	731	584	716	18	15	3.0	2.1
NONVETERANS²										
Total, 25 to 39 years	13,728	14,609	13,132	13,924	12,682	13,406	450	518	3.4	3.7
25 to 29 years	6,116	6,683	5,848	6,360	5,612	6,098	236	262	4.0	4.1
30 to 34 years	3,989	4,188	3,810	4,000	3,692	3,855	118	145	3.1	3.6
35 to 39 years	3,623	3,738	3,474	3,564	3,378	3,453	96	111	2.8	3.1

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					
	July 1978	June 1979	July 1979	July 1978	Mar. 1979	Apr. 1979	May 1979	June 1979	July 1979
California									
Civilian noninstitutional population ¹	16,360	16,676	16,704	16,360	16,623	16,593	16,648	16,676	16,704
Civilian labor force	10,783	10,878	11,076	10,626	10,783	10,755	10,761	10,843	10,919
Employed	9,909	10,238	10,385	9,814	10,084	10,071	10,093	10,191	10,290
Unemployed	874	640	691	812	699	684	668	652	629
Unemployment rate	8.1	5.9	6.2	7.6	6.5	6.4	6.2	6.0	5.8
Florida									
Civilian noninstitutional population ¹	6,513	6,706	6,723	6,513	6,654	6,671	6,689	6,706	6,723
Civilian labor force	3,797	3,903	3,893	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,538	3,669	3,637	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	259	234	256	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	6.8	6.0	6.6	(2)	(2)	(2)	(2)	(2)	(2)
Illinois									
Civilian noninstitutional population ¹	8,210	8,278	8,284	8,210	8,259	8,265	8,271	8,278	8,284
Civilian labor force	5,400	5,419	5,480	5,296	5,273	5,269	5,235	5,329	5,376
Employed	5,056	5,096	5,202	4,985	4,973	4,962	4,944	5,053	5,131
Unemployed	344	323	278	311	300	307	291	276	245
Unemployment rate	6.4	6.0	5.1	5.9	5.7	5.8	5.6	5.2	4.6
Massachusetts									
Civilian noninstitutional population ¹	4,329	4,373	4,377	4,329	4,361	4,365	4,369	4,373	4,377
Civilian labor force	2,927	2,947	2,948	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,741	2,797	2,802	2,677	2,754	2,763	2,724	2,744	2,738
Unemployed	186	150	146	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	6.3	5.1	5.0	(2)	(2)	(2)	(2)	(2)	(2)
Michigan									
Civilian noninstitutional population ¹	6,649	6,730	6,738	6,649	6,708	6,716	6,723	6,730	6,738
Civilian labor force	4,238	4,383	4,404	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,929	4,066	4,065	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	308	317	339	292	293	365	337	301	323
Unemployment rate	7.3	7.2	7.7	(2)	(2)	(2)	(2)	(2)	(2)
New Jersey									
Civilian noninstitutional population ¹	5,456	5,512	5,517	5,456	5,497	5,502	5,506	5,512	5,517
Civilian labor force	3,477	3,587	3,610	3,398	3,529	3,477	3,482	3,545	3,530
Employed	3,202	3,334	3,323	3,145	3,294	3,271	3,215	3,301	3,266
Unemployed	275	253	287	253	235	206	267	244	264
Unemployment rate	7.9	7.1	7.9	7.4	6.7	5.9	7.7	6.9	7.5
New York									
Civilian noninstitutional population ¹	13,250	13,294	13,298	13,250	13,282	13,287	13,289	13,294	13,298
Civilian labor force	7,986	8,057	8,214	7,773	8,022	7,936	7,896	7,931	8,001
Employed	7,377	7,498	7,604	7,173	7,435	7,380	7,394	7,364	7,400
Unemployed	610	559	611	600	587	556	502	567	601
Unemployment rate	7.6	6.9	7.4	7.7	7.3	7.0	6.4	7.1	7.5
Ohio									
Civilian noninstitutional population ¹	7,873	7,943	7,949	7,873	7,924	7,931	7,936	7,943	7,949
Civilian labor force	5,043	5,066	5,107	4,932	5,063	5,026	5,025	4,984	4,995
Employed	4,775	4,773	4,769	4,657	4,811	4,746	4,740	4,706	4,650
Unemployed	268	294	338	275	252	280	285	278	345
Unemployment rate	5.3	5.8	6.6	5.6	5.0	5.6	5.7	5.6	6.9
Pennsylvania									
Civilian noninstitutional population ¹	8,846	8,907	8,913	8,846	8,891	8,896	8,902	8,907	8,913
Civilian labor force	5,347	5,343	5,398	5,265	5,295	5,219	5,278	5,249	5,316
Employed	4,958	4,959	5,058	4,880	4,932	4,889	4,930	4,900	4,980
Unemployed	389	384	340	385	363	330	348	349	336
Unemployment rate	7.3	7.2	6.3	7.3	6.9	6.3	6.6	6.6	6.3
Texas									
Civilian noninstitutional population ¹	9,198	9,398	9,416	9,198	9,367	9,343	9,380	9,398	9,416
Civilian labor force	6,091	6,223	6,287	5,987	6,146	6,136	6,081	6,100	6,183
Employed	5,774	5,923	5,990	5,691	5,908	5,855	5,798	5,834	5,907
Unemployed	317	300	297	296	238	281	283	266	276
Unemployment rate	5.2	4.8	4.7	4.9	3.9	4.6	4.7	4.4	4.5

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					
	JULY 1978	MAY 1979	JUNE p 1979	JULY p 1979	JULY 1978	MAR. 1979	APR. 1979	MAY 1979	JUNE p 1979	JULY p 1979
TOTAL	85,923	88,777	89,549	88,645	86,033	88,263	88,248	88,539	88,709	88,753
GOODS-PRODUCING	25,712	26,346	26,837	26,643	25,501	26,412	26,351	26,423	26,451	26,445
MINING	900	924	948	958	882	922	922	923	931	939
CONSTRUCTION	4,572	4,603	4,821	4,946	4,317	4,526	4,507	4,594	4,622	4,670
MANUFACTURING	20,240	20,819	21,068	20,739	20,302	20,964	20,922	20,906	20,898	20,836
<i>Production workers</i>	14,476	14,937	15,124	14,797	14,569	15,088	15,035	15,006	14,982	14,929
DURABLE GOODS	12,111	12,636	12,777	12,574	12,138	12,699	12,665	12,645	12,653	12,637
<i>Production workers</i>	8,648	9,058	9,156	8,938	8,694	9,131	9,090	9,059	9,050	9,024
Lumber and wood products	769.1	761.8	782.8	777.7	743	768	758	758	756	751
Furniture and fixtures	473.8	479.4	480.7	468.7	485	491	488	483	480	480
Stone, clay, and glass products	713.1	714.0	728.0	723.9	698	714	711	712	712	708
Primary metal industries	1,205.0	1,250.7	1,267.4	1,245.0	1,199	1,254	1,253	1,247	1,250	1,239
Fabricated metal products	1,634.5	1,703.7	1,722.2	1,684.8	1,643	1,712	1,712	1,711	1,709	1,693
Machinery, except electrical	2,331.4	2,492.0	2,521.8	2,500.8	2,345	2,481	2,496	2,499	2,514	2,516
Electric and electronic equipment	1,957.4	2,054.1	2,086.4	2,068.2	1,977	2,064	2,062	2,064	2,080	2,089
Transportation equipment	1,927.3	2,043.3	2,030.6	1,973.0	1,937	2,067	2,038	2,031	2,005	2,019
Instruments and related products	658.4	690.1	702.0	704.7	660	690	693	692	697	706
Miscellaneous manufacturing	441.2	447.1	455.0	426.9	451	458	454	448	450	436
NONDURABLE GOODS	8,129	8,183	8,291	8,165	8,164	8,265	8,257	8,261	8,245	8,199
<i>Production workers</i>	5,828	5,879	5,968	5,859	5,875	5,957	5,945	5,947	5,932	5,905
Food and kindred products	1,720.5	1,646.0	1,694.3	1,699.0	1,688	1,716	1,709	1,702	1,701	1,667
Tobacco manufacturers	67.4	65.9	66.5	66.3	73	73	73	74	74	72
Textile mill products	893.3	903.0	910.5	882.6	909	909	903	904	901	898
Apparel and other textile products	1,263.6	1,305.2	1,312.2	1,260.4	1,307	1,301	1,305	1,303	1,295	1,303
Paper and allied products	710.9	714.2	725.9	718.2	710	717	719	718	718	717
Printing and publishing	1,183.2	1,219.7	1,227.3	1,227.4	1,187	1,219	1,219	1,222	1,227	1,231
Chemicals and allied products	1,097.8	1,100.9	1,115.7	1,112.9	1,091	1,098	1,101	1,106	1,109	1,106
Petroleum and coal products	213.7	213.1	217.0	218.3	207	214	214	213	212	212
Rubber and misc. plastics products	740.0	772.6	775.3	764.8	749	778	776	779	769	774
Leather and leather products	238.4	242.1	245.9	214.6	243	240	238	240	239	219
SERVICE-PRODUCING	60,213	62,431	62,712	62,002	60,532	61,851	61,897	62,116	62,258	62,308
TRANSPORTATION AND PUBLIC UTILITIES	4,856	5,026	5,116	5,116	4,827	5,025	4,935	5,031	5,075	5,085
WHOLESALE AND RETAIL TRADE	19,469	19,970	20,059	19,951	19,469	19,945	19,959	19,985	19,969	19,950
WHOLESALE TRADE	4,930	5,065	5,128	5,125	4,901	5,055	5,062	5,080	5,097	5,094
RETAIL TRADE	14,539	14,905	14,931	14,826	14,568	14,890	14,897	14,905	14,872	14,856
FINANCE, INSURANCE, AND REAL ESTATE ..	4,746	4,872	4,933	4,963	4,690	4,839	4,853	4,867	4,889	4,904
SERVICES	16,213	16,705	16,872	16,956	15,989	16,535	16,575	16,622	16,688	16,722
GOVERNMENT	14,929	15,858	15,732	15,016	15,557	15,507	15,575	15,611	15,637	15,647
FEDERAL	2,815	2,773	2,824	2,842	2,765	2,754	2,756	2,770	2,793	2,792
STATE AND LOCAL	12,114	13,085	12,908	12,174	12,792	12,753	12,819	12,841	12,844	12,855

p=preliminary.

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	JULY 1978	MAY 1979	JUNE 1979 ^p	JULY 1979 ^p	JULY 1978	MAR. 1979	APR. 1979	MAY 1979	JUNE 1979 ^p	JULY 1979 ^p
TOTAL PRIVATE	36.3	35.5	36.0	36.0	35.9	35.9	35.4	35.7	35.7	35.7
MINING	43.2	42.7	43.4	42.3	43.0	43.2	43.0	42.7	43.1	42.1
CONSTRUCTION	38.2	37.3	38.0	37.8	37.3	37.6	35.8	37.2	37.4	37.0
MANUFACTURING	40.3	40.1	40.4	40.0	40.5	40.8	39.2	40.2	40.1	40.2
Overtime hours	3.5	3.3	3.4	3.3	3.6	3.8	2.8	3.4	3.3	3.3
DURABLE GOODS	40.9	40.8	41.0	40.4	41.2	41.6	39.6	40.8	40.7	40.8
Overtime hours	3.7	3.6	3.6	3.4	3.8	4.1	2.8	3.6	3.5	3.5
Lumber and wood products	39.9	39.6	40.0	39.3	39.8	40.1	39.2	39.2	39.2	39.2
Furniture and fixtures	39.0	38.2	38.7	38.4	39.3	39.4	38.1	38.4	38.3	38.7
Stone, clay, and glass products	41.9	41.8	42.0	41.4	41.7	42.3	41.3	41.6	41.5	41.2
Primary metal industries	41.8	41.3	41.7	40.7	41.8	41.9	41.7	41.3	41.4	40.7
Fabricated metal products	40.5	40.7	41.0	40.5	41.0	41.5	39.1	40.7	40.7	41.0
Machinery, except electrical	41.5	41.7	42.0	41.5	42.2	42.6	40.5	42.0	42.0	42.2
Electric and electronic equipment	40.1	40.2	40.4	39.2	40.7	40.9	39.0	40.3	40.1	39.8
Transportation equipment	42.1	41.5	41.4	41.1	42.1	42.4	38.0	41.2	40.9	41.1
Instruments and related products	40.3	40.8	40.8	40.6	40.7	41.4	40.2	40.8	40.7	41.0
Miscellaneous manufacturing	38.4	38.5	38.9	39.2	38.8	39.2	37.7	38.5	38.7	39.6
NONDURABLE GOODS	39.5	39.1	39.4	39.3	39.4	39.6	38.7	39.2	39.2	39.3
Overtime hours	3.2	2.9	3.1	3.1	3.2	3.3	2.7	3.0	3.0	3.1
Food and kindred products	40.1	39.6	39.9	40.2	39.8	40.1	39.7	39.8	39.8	39.9
Tobacco manufacturers	36.2	36.9	36.7	35.6	36.6	36.5	37.9	36.9	37.8	37.9
Textile mill products	40.1	40.1	40.6	40.0	40.2	40.6	38.9	40.0	40.0	40.1
Apparel and other textile products	35.9	35.1	35.6	35.5	35.8	35.5	34.3	35.2	35.2	35.4
Paper and allied products	42.9	42.4	42.8	42.8	42.9	42.9	42.3	42.5	42.5	42.8
Printing and publishing	37.5	37.2	37.4	37.3	37.6	37.8	37.2	37.3	37.4	37.4
Chemicals and allied products	41.6	41.8	41.8	41.6	41.8	42.0	41.8	41.9	41.7	41.7
Petroleum and coal products	44.4	43.7	43.4	45.2	43.9	44.2	44.1	43.7	43.2	44.7
Rubber and misc. plastics products	40.6	40.4	40.7	39.8	40.9	41.4	39.8	40.8	40.7	40.1
Leather and leather products	37.5	36.4	37.1	36.8	37.2	36.2	35.8	36.2	36.3	36.5
TRANSPORTATION AND PUBLIC UTILITIES	40.0	39.7	40.0	39.9	39.6	40.2	39.3	39.9	39.8	39.5
WHOLESALE AND RETAIL TRADE	33.7	32.4	33.0	33.4	32.9	32.7	32.8	32.6	32.6	32.6
WHOLESALE TRADE	39.0	38.9	39.0	39.1	38.7	39.1	38.8	38.9	38.8	38.8
RETAIL TRADE	32.0	30.4	31.1	31.6	31.1	30.7	30.9	30.6	30.7	30.7
FINANCE, INSURANCE, AND REAL ESTATE	36.7	36.1	36.1	36.5	36.6	36.3	36.5	36.1	36.1	36.4
SERVICES	33.3	32.5	32.9	33.3	32.8	32.8	32.7	32.7	32.7	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

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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			
	JULY 1978	MAY 1979	JUNE 1979 ^p	JULY 1979 ^p	JULY 1978	MAY 1979	JUNE 1979 ^p	JULY 1979 ^p
TOTAL PRIVATE	\$5.69	\$6.08	\$6.11	\$6.15	\$206.55	\$215.84	\$219.96	\$221.40
<i>Seasonally adjusted</i>	5.71	6.09	6.13	6.17	204.99	217.41	218.84	220.27
MINING	7.82	8.43	8.47	8.51	337.82	359.96	367.60	359.97
CONSTRUCTION	8.63	9.13	9.12	9.25	329.67	340.55	346.56	349.65
MANUFACTURING	6.17	6.62	6.66	6.71	248.65	265.46	269.06	268.40
DURABLE GOODS	6.57	7.07	7.11	7.14	268.71	288.46	291.51	288.46
Lumber and wood products	5.71	5.97	6.15	6.18	227.83	236.41	246.00	242.87
Furniture and fixtures	4.68	4.97	5.05	5.04	182.52	189.85	195.44	193.54
Stone, clay, and glass products	6.37	6.77	6.83	6.86	266.90	282.99	286.86	284.00
Primary metal industries	8.19	8.83	8.91	9.01	342.34	364.68	371.55	366.71
Fabricated metal products	6.32	6.77	6.81	6.82	255.96	275.54	279.21	276.21
Machinery, except electrical	6.73	7.24	7.33	7.35	279.30	301.91	307.86	305.03
Electric and electronic equipment	5.83	6.23	6.26	6.31	233.78	250.45	252.90	247.35
Transportation equipment	7.84	8.55	8.51	8.52	330.06	354.83	352.31	350.17
Instruments and related products	5.70	6.10	6.11	6.15	229.71	248.88	249.29	249.69
Miscellaneous manufacturing	4.70	5.00	4.99	5.03	180.48	192.50	194.11	197.18
NONDURABLE GOODS	5.57	5.91	5.94	6.03	220.02	231.08	234.04	236.98
Food and kindred products	5.80	6.22	6.22	6.30	232.58	246.31	248.18	253.26
Tobacco manufacturers	6.58	6.93	7.11	7.20	238.20	269.58	275.16	256.32
Textile mill products	4.32	4.52	4.55	4.66	173.23	181.25	184.73	186.40
Apparel and other textile products	3.92	4.19	4.20	4.21	140.73	147.07	149.52	149.46
Paper and allied products	6.63	6.97	7.05	7.13	284.43	295.53	301.74	305.16
Printing and publishing	6.47	6.81	6.86	6.91	242.63	253.33	256.56	257.74
Chemicals and allied products	7.05	7.46	7.51	7.59	293.99	311.83	313.92	315.74
Petroleum and coal products	8.58	9.36	9.30	9.34	380.95	409.03	403.62	422.17
Rubber and misc. plastics products	5.51	5.88	5.89	5.94	223.71	237.55	239.72	236.41
Leather and leather products	3.89	4.19	4.19	4.25	145.88	152.52	155.45	156.40
TRANSPORTATION AND PUBLIC UTILITIES	7.53	7.93	7.98	8.06	301.20	314.82	319.20	321.59
WHOLESALE AND RETAIL TRADE	4.66	5.00	5.02	5.04	157.04	162.00	165.66	168.34
WHOLESALE TRADE	5.91	6.30	6.34	6.39	230.49	245.07	247.26	249.85
RETAIL TRADE	4.19	4.48	4.50	4.51	134.08	136.19	139.95	142.52
FINANCE, INSURANCE, AND REAL ESTATE	4.93	5.22	5.22	5.30	180.93	188.44	188.44	193.45
SERVICES	4.95	5.28	5.27 ^p	5.30	164.84	171.60	173.38	176.49

¹ See footnote 1, table B-2.

^p=preliminary.

ESTABLISHMENT DATA

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

[1967=100]

Industry	JULY 1978	FEB. 1979	MAR. 1979	APR. 1979	MAY 1979	JUNE P 1979	JULY P 1979	Percent change from—	
								JULY 1978-JULY 1979	JUNE 1979-JULY 1979
TOTAL PRIVATE NONFARM:									
Current dollars	214.1	223.9	225.3	227.0	227.4	228.6	230.3	7.6	0.7
Constant (1967) dollars	109.1	107.8	107.3	107.0	106.1	105.6	N.A.	(2)	(3)
MINING	244.3	253.3	256.0	264.2	262.6	264.6	266.5	9.1	.7
CONSTRUCTION	207.9	216.3	216.5	218.0	220.7	220.7	222.3	6.9	.7
MANUFACTURING	216.7	227.1	228.8	231.1	232.3	233.6	235.5	8.7	.8
TRANSPORTATION AND PUBLIC UTILITIES	230.4	241.6	242.7	241.9	243.9	245.3	245.5	6.6	.1
WHOLESALE AND RETAIL TRADE	207.6	218.1	219.8	221.0	220.9	222.3	223.7	7.8	.6
FINANCE, INSURANCE, AND REAL ESTATE	196.9	203.9	204.3	207.6	207.0	207.7	211.5	7.4	1.8
SERVICES	213.2	222.2	223.5	225.3	224.0	225.3	226.8	6.4	.7

¹ See footnote 1, table B-2.² PERCENT CHANGE WAS -3.0 FROM JUNE 1978 TO JUNE 1979, THE LATEST MONTH AVAILABLE.³ PERCENT CHANGE WAS -.5 FROM MAY 1979 TO JUNE 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 workers, on private nonagricultural payrolls by industry, seasonally adjusted

[1967=100]

Industry division and group	1978						1979						
	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE ^P	JULY ^P
TOTAL PRIVATE	120.6	120.4	120.8	121.6	122.4	122.9	122.6	123.2	124.7	122.4	123.9	124.1	124.1
GOODS-PRODUCING	106.1	105.4	105.5	106.5	108.0	109.1	108.7	109.1	111.0	106.3	109.3	109.3	109.0
MINING	143.5	145.7	144.4	145.2	148.0	149.1	149.2	149.5	150.0	149.1	148.3	150.1	146.6
CONSTRUCTION	124.2	122.8	122.6	123.8	124.3	126.5	120.6	122.4	131.5	124.6	132.3	133.9	133.9
MANUFACTURING	101.6	101.0	101.2	102.1	103.7	104.6	105.2	105.4	106.0	101.6	103.8	103.5	103.3
DURABLE GOODS	104.0	103.5	103.9	105.5	107.1	108.3	108.8	109.6	110.2	104.4	107.3	107.0	106.8
Lumber and wood products	112.3	110.7	111.6	113.9	115.3	116.2	116.6	115.5	116.9	112.5	112.2	112.2	111.6
Furniture and fixtures	108.3	106.4	106.2	107.5	108.6	109.4	110.0	108.6	109.7	105.3	105.1	104.0	105.4
Stone, clay, and glass products	111.1	109.8	110.1	110.8	112.0	113.3	111.5	112.2	115.1	111.8	112.6	112.6	110.6
Primary metal industries	94.4	95.3	95.5	96.9	99.0	99.2	99.7	100.5	99.6	99.0	97.3	97.8	95.4
Fabricated metal products	102.0	101.8	102.0	103.1	105.2	106.8	106.6	108.0	107.9	101.4	105.4	105.4	104.9
Machinery, except electrical	112.1	110.8	111.5	113.6	114.5	116.9	117.0	119.2	119.8	114.6	118.8	119.2	119.9
Electric and electronic equipment	101.8	101.1	100.1	101.4	102.6	103.4	105.1	106.4	107.8	102.6	105.8	106.0	105.0
Transportation equipment	96.2	96.1	97.7	100.4	102.8	103.8	104.7	105.0	104.8	92.3	99.6	96.9	98.1
Instruments and related products	123.6	123.9	123.9	124.5	125.7	126.9	128.8	130.0	131.3	127.8	129.0	129.6	133.0
Miscellaneous manufacturing industry	99.8	100.6	100.3	100.9	101.8	101.5	102.9	102.3	102.8	97.8	98.7	99.5	98.0
NONDURABLE GOODS	98.1	97.2	97.2	97.2	98.8	99.1	99.9	99.2	99.8	97.5	98.7	98.4	98.2
Food and kindred products	93.6	91.4	91.3	92.2	94.6	96.1	97.0	95.3	97.0	95.7	95.3	95.3	93.3
Tobacco manufacturers	78.6	71.5	74.5	73.5	73.5	77.6	74.8	73.5	78.4	77.2	82.0	79.6	75.8
Textile mill products	91.5	91.2	91.8	91.6	92.4	92.2	93.6	91.3	92.3	87.9	90.6	90.2	90.5
Apparel and other textile products	90.1	90.1	90.1	88.7	90.0	89.8	89.6	89.2	88.8	85.9	88.0	87.4	88.5
Paper and allied products	101.9	99.2	99.0	98.2	100.5	100.7	101.7	102.5	103.5	102.2	102.9	102.9	103.8
Printing and publishing	99.1	98.3	97.8	98.5	100.3	100.1	101.1	101.7	102.6	100.8	101.5	101.8	103.1
Chemicals and allied products	106.6	106.0	106.0	106.2	107.2	107.0	107.8	107.6	107.5	107.3	107.6	107.7	107.7
Petroleum and coal products	121.2	123.2	122.7	123.0	124.7	124.2	123.3	124.2	127.4	126.2	124.2	122.8	127.9
Rubber and misc. plastics products	146.2	145.4	145.0	147.0	149.6	152.3	153.9	154.9	154.5	147.8	152.0	149.7	148.7
Leather and leather products	67.1	69.1	69.6	68.8	67.3	66.5	66.7	64.2	63.7	62.4	63.7	63.9	57.9
SERVICE-PRODUCING	130.7	130.8	131.4	132.0	132.3	132.5	132.3	132.9	134.2	133.7	134.0	134.4	134.6
TRANSPORTATION AND PUBLIC UTILITIES	106.5	107.7	108.2	109.9	110.2	110.3	111.2	111.2	112.2	107.5	111.5	112.1	111.3
WHOLESALE AND RETAIL TRADE	127.4	127.2	127.5	128.2	128.4	128.7	127.6	128.4	129.5	129.8	129.2	129.3	129.1
WHOLESALE TRADE	125.7	126.1	127.1	127.4	127.6	128.5	128.4	128.9	130.8	130.0	130.6	130.7	130.5
RETAIL TRADE	128.0	127.7	127.7	128.5	128.7	128.8	127.3	128.2	129.0	129.8	128.6	128.7	128.5
FINANCE, INSURANCE, AND REAL ESTATE	139.0	139.2	139.6	140.5	140.6	140.9	141.7	142.0	142.4	143.6	142.3	143.0	144.6
SERVICES	144.1	144.1	145.1	145.0	145.6	145.6	145.8	146.6	148.0	148.2	148.7	149.4	150.2

¹ See footnote 1, table B-2.

p=preliminary.

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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.....	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	77.6
April.....	62.8	67.4	68.9	78.5
May.....	56.4	63.7	67.7	80.5
June.....	67.2	62.5	59.6	82.6
July.....	54.9	57.0	61.3	82.0
August.....	51.7	49.7	74.4	77.6
September.....	57.6	58.7	77.9	75.3
October.....	70.6	75.6	83.1	72.4
November.....	80.2	85.5	84.6	75.0
December.....	79.7	87.2	86.0	71.5p
1979				
January.....	74.1	82.3	81.7	71.8p
February.....	65.1	77.9	69.2	
March.....	62.5	58.4	66.3p	
April.....	44.2	53.2	53.2p	
May.....	48.0	51.7p		
June.....	60.2p	53.5p		
July.....	50.6p			
August.....				
September.....				
October.....				
November.....				
December.....				

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

p = preliminary.

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

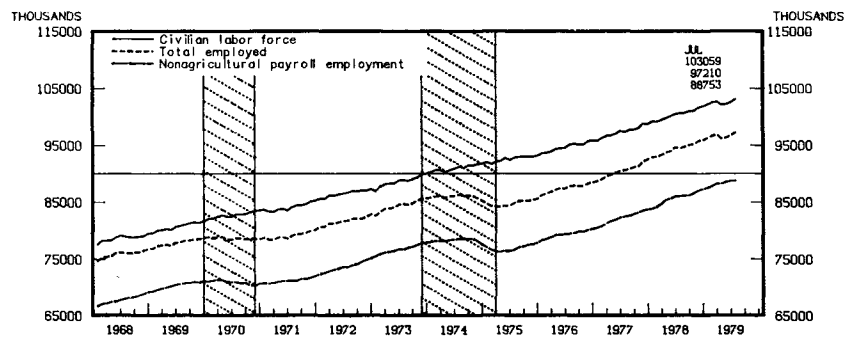


Chart 2. Unemployment rate—all civilian workers

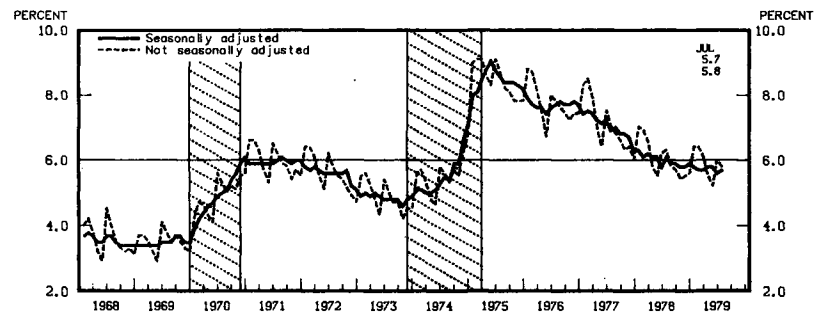


Chart 3. Civilian labor force participation rate
and total employment—population ratio
(Seasonally adjusted)

