

Washington, D.C. 20212

USDL 78-753
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EMBARGOED UNTIL 9:00 A.M. (EDT), FRIDAY,
SEPTEMBER 1, 1978

The average (mean) duration of unemployment fell by about one-half week in August to 11.2 weeks and was 2.5 weeks shorter than the average duration a year ago. Half of the unemployed in August had been looking for work for 6 weeks or less. (See table A-4.)

Total Employment and the Labor Force

Following a decline in July, the number of employed persons edged up by 160,000 in August to 94.6 million. The increase was spurred mainly by a rise in the number of teenagers with jobs. Over the past 12 months, employment has grown by nearly 3.6 million (after adjustment for changes in the survey introduced in January—see the box on table A-1). The proportion of the population that is employed remained at its July level of 58.6 percent; this was down from the June peak of 58.9 percent but substantially above the year-ago level. (See table A-1.)

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

Selected categories	Quarterly averages					Monthly data		
	1977			1978		1978		
	II	III	IV	I	II	June	July	Aug.
HOUSEHOLD DATA								
	Thousands of persons							
Civilian labor force	97,153	97,559	98,622	99,205	100,206	100,573	100,618	100,549
Total employment	90,264	90,823	92,069	93,050	94,244	94,819	94,425	94,581
Unemployment	6,889	6,736	6,554	6,155	5,962	5,754	6,193	5,968
Not in labor force	58,941	59,205	58,777	58,799	58,399	58,257	58,414	58,677
Discouraged workers	1,062	1,067	969	903	842	N.A.	N.A.	N.A.
	Percent of labor force							
Unemployment rates:								
All workers	7.1	6.9	6.6	6.2	5.9	5.7	6.2	5.9
Adult men	5.2	5.0	4.8	4.6	4.1	3.9	4.1	4.1
Adult women	7.0	7.0	6.8	5.9	6.1	6.1	6.5	6.1
Teenagers	18.1	17.6	16.7	16.9	15.9	14.2	16.3	15.6
White	6.3	6.1	5.8	5.4	5.1	4.9	5.3	5.2
Black and other	12.8	13.6	13.3	12.3	12.0	11.9	12.5	11.7
Full-time workers	6.6	6.5	6.2	5.7	5.0	5.2	5.7	5.5
	Thousands of jobs							
ESTABLISHMENT DATA								
Nonfarm payroll employment ...	81,871	82,548	83,192	84,107	85,503	85,820	86,003p	86,116p
Goods-producing industries ...	24,265	24,359	24,497	24,757	25,445	25,554	25,614p	25,548p
Service-producing industries ...	57,606	58,189	58,695	59,350	60,058	60,266	60,389p	60,568p
	Hours of work							
Average weekly hours:								
Total private nonfarm	36.2	36.0	36.2	35.9	36.1	36.1	36.0p	35.9p
Manufacturing	40.4	40.3	40.5	40.0	40.4	40.4	40.4p	40.3p
Manufacturing overtime	3.4	3.3	3.5	3.7	3.5	3.5	3.5p	3.5p

p=preliminary.

N.A.=not available.

The civilian labor force was 100.5 million in August, virtually unchanged from the June and July levels but up 2.7 million over the year (after adjustment). The civilian labor force participation rate was 63.1 percent in August, down slightly from the all-time high attained in the prior 2 months.

Industry Payroll Employment

Nonagricultural payroll employment rose slightly (by 115,000) in August to 86.1 million, as an increase in the service-producing sector more than offset a decline in the goods sector. Overall, employment increased in 56 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural payroll employment, the lowest proportion since August 1977. However, due to substantial employment gains throughout most of the intervening period, the number of nonfarm payroll jobs has grown by 3.7 million over the past year. (See tables B-1 and B-6.)

Wholesale and retail trade posted an employment gain of 80,000, the largest over-the-month increase of all the major industry divisions. Consistent with recent trends, the retail component accounted for just over three-fourths of the increase. There was also marked growth in services (60,000), transportation and public utilities (35,000), and finance, insurance, and real estate (20,000). By contrast, State and local government posted a small employment reduction for the second straight month.

After showing considerable strength throughout 1978, contract construction registered a modest decline of 20,000. In manufacturing, there was an employment decline of 50,000 in the nondurable goods industries, mostly in food processing, paper products, and rubber and plastics. Durable goods employment showed little overall change in August, despite continued growth in the machinery industry. Following relatively large gains in the first 3 months of this year, overall employment growth in manufacturing has been rather sluggish.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls decreased slightly to 35.9 hours in August, down by 0.1 hour from both the previous month and a year earlier. The manufacturing workweek was also down 0.1 hour, while factory overtime, at 3.5 hours, was unchanged from the July level. (See table B-2.)

Because of the slight decline in hours, coupled with only modest employment growth, the index of aggregate hours of production or nonsupervisory workers on private nonagricultural payrolls edged down from 120.9 to 120.8 (1967=100) in August. Nevertheless, the index was 4.5 percent above the year-earlier level. (See table B-5.)

Hourly and Weekly Earnings

Average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls increased 0.2 percent in August, seasonally adjusted. This increase was too small to counter the small decline in average weekly hours, and average weekly earnings showed a marginal decline. Since last August, average hourly and weekly earnings have risen 8.7 and 8.4 percent, respectively.

Before adjustment for seasonality, average hourly earnings were \$5.72 in August, up 1 cent from July and 46 cents from a year earlier. Average weekly earnings fell by 21 cents over the month to \$208.21 but have risen \$16.22 since last August. (See table B-3.)

Explanatory Note

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

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

Comparability of household and payroll employment statistics

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

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

Unemployment

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

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

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

Seasonal adjustment

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

All seasonally-adjusted civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unem-

ployment (the sum of four seasonally-adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally-adjusted age-sex components).

For establishment data, the seasonally-adjusted series for all employees, production workers, average weekly hours, and average hourly earnings are adjusted by aggregating the seasonally-adjusted data from the respective component series. These data are also revised annually, often in conjunction with benchmark (comprehensive counts of employment) adjustments. (The most recent revision of seasonally-adjusted data was based on data through August 1977.)

Sampling variability

Both the household and establishment survey statistics are subject to sampling error, which should be taken into account in evaluating the levels of a series as well as changes over time. Because the household survey is based upon a probability sample, the results may differ from the figures that would be obtained if it were possible to take a complete census using the same questionnaires and procedures. The standard error is the measure of sampling variability, that is, of the variation that occurs by chance because a sample rather than the entire population is surveyed. The chances are about 68 out of 100 that an estimate from the survey differs from a figure that would be obtained through a complete census by less than the standard error. Tables A through H in the "Explanatory Notes" of Employment and Earnings provide approximations of the standard errors for unemployment and other labor force categories. To obtain a 90-percent level of confidence, the confidence interval generally used by BLS, the errors should be multiplied by 1.6. The following examples provide an indication of the magnitude of sampling error: For a monthly change in total em-

ployment, the standard error is on the order of plus or minus 182,000. Similarly, the standard error on a change in total unemployment is approximately 115,000. The standard error on a change in the national unemployment rate is 0.12 percentage point.

Although the relatively large size of the monthly establishment survey assures a high degree of accuracy, the estimates derived from it also may differ from the figures obtained if a complete census using the same schedules and procedures were possible. However, since the estimating procedures utilize the previous month's level as the base in computing the current month's level of employment (link-relative technique), sampling and response errors may accumulate over several months. To remove this accumulated error, the employment estimates are adjusted to new benchmarks (comprehensive counts of employment), usually on an annual basis. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments. Employment estimates are currently projected from March 1974 levels, plus an interim benchmark adjustment based on December 1975 levels.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The RMSE is the standard deviation adjusted for the bias in estimates. If the bias is small, the chances are about 68 out of 100 that an estimate from the sample would differ from its benchmark by less than the RMSE. For total nonagricultural employment, the RMSE is on the order of plus or minus 81,000. Measures of reliability (approximations of the RMSE) for establishment-survey data and actual amounts of revision due to benchmark adjustments are provided in tables J through O in the "Explanatory Notes" of Employment and Earnings.

NOTE: Household survey data for periods prior to January 1978 shown in tables A-1 through A-7 are not strictly comparable with current data because of the introduction of an expansion in the sample and revisions in the estimation procedures. As a result, the overall civilian labor force and employment totals in January were raised by roughly a quarter of a million; unemployment levels and rates were essentially unchanged. An explanation of the procedural changes and an indication of the differences appear in "Revisions to the Current Population Survey in January, 1978," *Employment and Earnings*, February 1978 Vol. 25, No. 2.

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Aug. 1977	July 1978	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
TOTAL									
Total noninstitutional population ¹	158,899	161,148	161,348	158,899	160,504	160,713	160,928	161,148	161,348
Armed Forces ¹	2,137	2,116	2,122	2,137	2,118	2,113	2,098	2,116	2,122
Civilian noninstitutional population ¹	156,761	159,032	159,226	156,761	158,386	158,601	158,830	159,032	159,226
Civilian labor force	99,073	102,639	102,047	97,614	99,784	100,261	100,573	100,618	100,549
Participation rate	63.2	64.5	64.1	62.3	63.0	63.2	63.3	63.3	63.1
Employed	92,315	96,202	96,116	90,793	93,801	94,112	94,819	94,425	94,581
Employment-population ratio ²	58.1	59.7	59.6	57.1	58.4	58.6	58.9	58.6	58.6
Agriculture	3,682	3,997	3,856	3,224	3,275	3,235	3,473	3,387	3,360
Nonagricultural industries	88,633	92,204	92,261	87,569	90,526	90,877	91,346	91,038	91,221
Unemployed	6,757	6,438	5,931	6,821	5,983	6,149	5,754	6,193	5,968
Unemployment rate	6.8	6.3	5.8	7.0	6.0	6.1	5.7	6.2	5.9
Not in labor force	57,689	56,393	57,179	59,147	58,602	58,340	58,257	58,414	58,677
Men, 20 years and over									
Total noninstitutional population ¹	67,642	68,729	68,827	67,642	68,419	68,519	68,623	68,729	68,827
Civilian noninstitutional population ¹	65,947	67,039	67,127	65,947	66,740	66,845	66,947	67,039	67,127
Civilian labor force	52,978	53,956	53,903	52,445	53,263	53,414	53,522	53,391	53,306
Participation rate	80.3	80.5	80.3	79.5	79.8	79.9	79.9	79.6	79.4
Employed	50,513	51,880	51,887	49,787	51,038	51,182	51,433	51,213	51,135
Employment-population ratio ²	74.7	75.5	75.4	73.6	74.6	74.7	75.0	74.5	74.3
Agriculture	2,492	2,599	2,525	2,327	2,295	2,328	2,437	2,420	2,358
Nonagricultural industries	48,021	49,281	49,362	47,460	48,743	48,854	48,996	48,793	48,777
Unemployed	2,466	2,076	2,015	2,658	2,225	2,232	2,089	2,178	2,171
Unemployment rate	4.7	3.8	3.7	5.1	4.2	4.2	3.9	4.1	4.1
Not in labor force	12,969	13,083	13,225	13,502	13,477	13,431	13,425	13,648	13,821
Women, 20 years and over									
Total noninstitutional population ¹	74,429	75,643	75,753	74,429	75,300	75,412	75,527	75,643	75,753
Civilian noninstitutional population ¹	74,332	75,537	75,645	74,332	75,198	75,310	75,422	75,537	75,645
Civilian labor force	35,188	36,818	36,919	35,686	37,117	37,264	37,439	37,542	37,461
Participation rate	47.3	48.7	48.8	48.0	49.4	49.5	49.6	49.7	49.5
Employed	32,551	34,384	34,546	33,163	34,948	34,931	35,137	35,110	35,192
Employment-population ratio ²	43.7	45.5	45.6	44.6	46.4	46.3	46.5	46.4	46.5
Agriculture	612	759	694	511	623	527	623	587	579
Nonagricultural industries	31,939	33,625	33,852	32,652	34,325	34,404	34,514	34,523	34,613
Unemployed	2,638	2,434	2,373	2,523	2,169	2,333	2,302	2,432	2,269
Unemployment rate	7.5	6.6	6.4	7.1	5.8	6.3	6.1	6.5	6.1
Not in labor force	39,143	38,719	38,726	38,646	38,081	38,046	37,983	37,995	38,184
Both sexes, 16-19 years									
Total noninstitutional population ¹	16,828	16,776	16,768	16,828	16,785	16,782	16,779	16,776	16,768
Civilian noninstitutional population ¹	16,483	16,455	16,455	16,483	16,449	16,446	16,461	16,455	16,455
Civilian labor force	10,906	11,865	11,226	9,483	9,404	9,583	9,612	9,685	9,782
Participation rate	66.2	72.1	68.2	57.5	57.2	58.3	58.4	58.9	59.4
Employed	9,252	9,937	9,683	7,843	7,815	7,999	8,249	8,102	8,254
Employment-population ratio ²	55.0	59.2	57.7	46.6	46.6	47.7	49.2	48.3	49.2
Agriculture	579	639	637	386	357	380	413	380	423
Nonagricultural industries	8,673	9,299	9,046	7,457	7,458	7,619	7,836	7,722	7,831
Unemployed	1,654	1,927	1,542	1,640	1,589	1,584	1,363	1,583	1,528
Unemployment rate	15.2	16.2	13.7	17.3	16.9	16.5	14.2	16.3	15.6
Not in labor force	5,576	4,591	5,229	7,000	7,045	6,863	6,849	6,770	6,673
WHITE									
Total noninstitutional population ¹	139,620	141,366	141,520	139,620	140,863	141,026	141,194	141,366	141,520
Civilian noninstitutional population ¹	137,865	139,660	139,817	137,865	139,149	139,317	139,503	139,660	139,817
Civilian labor force	87,407	90,179	89,773	86,298	87,945	88,209	88,623	88,521	88,672
Participation rate	63.4	64.6	64.2	62.6	63.2	63.3	63.5	63.4	63.4
Employed	82,278	85,410	85,256	81,032	83,386	83,590	84,270	83,862	84,042
Employment-population ratio ²	58.9	60.4	60.2	58.0	59.2	59.3	59.7	59.3	59.4
Unemployed	5,128	4,769	4,517	5,266	4,559	4,619	4,353	4,659	4,630
Unemployment rate	5.9	5.3	5.0	6.1	5.2	5.2	4.9	5.3	5.2
Not in labor force	50,459	49,481	50,044	51,567	51,204	51,108	50,880	51,139	51,145
BLACK AND OTHER									
Total noninstitutional population ¹	19,279	19,782	19,828	19,279	19,641	19,687	19,734	19,782	19,828
Civilian noninstitutional population ¹	18,896	19,371	19,409	18,896	19,237	19,284	19,327	19,371	19,409
Civilian labor force	11,666	12,460	12,275	11,375	11,816	11,934	11,980	11,997	11,975
Participation rate	61.7	64.3	63.2	60.2	61.4	61.9	62.0	61.9	61.7
Employed	10,037	10,791	10,260	9,752	10,418	10,467	10,553	10,496	10,578
Employment-population ratio ²	52.1	54.5	54.8	50.6	53.0	53.2	53.5	53.1	53.3
Unemployed	1,629	1,668	1,414	1,623	1,398	1,467	1,427	1,501	1,397
Unemployment rate	14.0	13.4	11.5	14.3	11.8	12.3	11.9	12.5	11.7
Not in labor force	7,230	6,911	7,134	7,521	7,421	7,350	7,347	7,374	7,434

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

² Civilian employment as a percent of the total noninstitutional population (including Armed Forces).

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-2. Major unemployment indicators, seasonally adjusted

Selected categories	Number of unemployed persons (In thousands)		Unemployment rates					
	Aug. 1977	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
CHARACTERISTICS								
Total, 16 years and over	6,821	5,968	7.0	6.0	6.1	5.7	6.2	5.9
Men, 20 years and over	2,658	2,171	5.1	4.2	4.2	3.9	4.1	4.1
Women, 20 years and over	2,523	2,269	7.1	5.8	6.3	6.1	6.5	6.1
Both sexes, 16-19 years	1,640	1,528	17.3	16.9	16.5	14.2	16.3	15.6
White, total	5,266	4,630	6.1	5.2	5.2	4.9	5.3	5.2
Men, 20 years and over	2,078	1,717	4.4	3.6	3.6	3.4	3.6	3.6
Women, 20 years and over	1,949	1,719	6.3	5.1	5.4	5.3	5.6	5.3
Both sexes, 16-19 years	1,239	1,194	14.7	14.6	13.8	11.6	13.4	13.6
Black and other, total	1,623	1,397	14.3	11.8	12.3	11.9	12.5	11.7
Men, 20 years and over	644	509	11.7	8.8	8.8	7.8	8.4	9.0
Women, 20 years and over	571	548	11.8	10.5	10.9	11.3	11.6	10.4
Both sexes, 16-19 years	408	340	39.4	35.3	38.4	37.1	37.0	32.4
Married men, spouse present	1,394	1,118	3.5	2.8	2.9	2.7	2.7	2.8
Married women, spouse present	1,449	1,327	6.5	5.0	5.9	5.6	5.6	5.8
Women who head families	445	407	10.0	10.1	9.3	8.8	10.1	8.2
Full-time workers	5,535	4,725	6.6	5.4	5.6	5.2	5.7	5.5
Part-time workers	1,306	1,255	9.0	9.6	9.2	8.8	8.8	8.6
Unemployed 15 weeks and over ¹	1,800	1,215	1.8	1.4	1.4	1.2	1.3	1.2
Labor force time lost ²	--	--	7.6	6.3	6.6	6.4	6.8	6.6
OCCUPATION³								
White-collar workers	1,974	1,707	4.2	3.5	3.6	3.5	3.8	3.5
Professional and technical	420	380	3.0	2.5	2.4	2.4	2.5	2.6
Managers and administrators, except farm	246	190	2.5	2.0	2.0	1.8	2.2	1.8
Sales workers	316	255	5.2	4.3	4.4	4.4	4.4	4.2
Clerical workers	992	882	5.8	5.1	5.3	5.0	5.4	5.0
Blue-collar workers	2,739	2,365	8.3	6.5	6.6	6.5	6.9	7.0
Craft and kindred workers	691	584	5.5	4.3	4.3	4.2	4.0	4.4
Operatives, except transport	1,118	1,061	9.8	7.6	8.4	7.9	8.5	9.0
Transport equipment operatives	279	212	7.5	5.2	5.9	4.6	6.1	5.9
Nonfarm laborers	651	508	12.4	10.0	8.7	9.9	10.6	9.5
Service workers	1,132	978	8.3	7.7	7.6	7.2	7.5	7.1
Farm workers	114	96	4.0	3.1	3.6	3.0	3.8	3.3
INDUSTRY³								
Nonagricultural private wage and salary workers ⁴	4,928	4,297	7.0	5.9	5.9	5.6	6.0	5.9
Construction	516	449	11.4	9.5	9.2	9.3	9.5	9.1
Manufacturing	1,490	1,259	6.9	5.3	5.6	5.6	5.6	5.7
Durable goods	808	728	6.3	4.4	5.0	4.8	5.1	5.5
Nondurable goods	682	531	7.7	6.5	6.4	6.7	6.4	5.9
Transportation and public utilities	247	196	4.8	3.7	3.8	3.7	4.1	3.8
Wholesale and retail trade	1,467	1,218	8.1	7.2	6.8	6.3	6.8	6.6
Finance and service industries	1,174	1,142	5.7	5.2	5.3	4.7	5.4	5.2
Government workers	685	577	4.3	3.8	4.1	4.0	4.1	3.6
Agricultural wage and salary workers	143	129	9.8	7.7	7.7	8.0	10.1	8.3
VETERAN STATUS								
Male Vietnam-era veterans: ⁵								
20 to 34 years	506	389	7.7	4.5	4.0	4.3	5.1	6.3
20 to 24 years	168	93	17.7	10.7	6.9	9.4	11.4	13.9
25 to 29 years	188	158	6.5	4.5	5.5	5.3	6.4	7.3
30 to 34 years	150	138	5.5	3.1	2.3	2.6	2.9	4.1
Male nonveterans:								
20 to 34 years	1,244	965	7.8	6.5	5.9	5.5	5.9	5.8
20 to 24 years	726	582	10.4	8.8	7.7	7.9	8.4	8.1
25 to 29 years	327	280	6.5	6.1	4.8	3.8	4.4	4.8
30 to 34 years	191	103	4.8	2.9	3.9	3.7	3.3	2.7

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

by industry covers only unemployed wage and salary workers.

⁴ Includes mining, not shown separately.⁵ Vietnam-era veterans are those who served between August 5, 1964, and May 7, 1975.

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Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	Aug. 1977	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
CHARACTERISTICS								
Total employed, 16 years and over	92,315	96,116	90,793	93,801	94,112	94,819	94,425	94,581
Men	55,565	57,191	53,942	55,208	55,446	55,869	55,534	55,529
Women	36,751	38,925	36,851	38,593	38,666	38,950	38,891	39,052
Married men, spouse present	38,623	38,813	38,292	38,628	38,626	38,711	38,642	38,467
Married women, spouse present	20,231	21,060	20,810	21,847	21,694	21,718	21,766	21,667
OCCUPATION								
White-collar workers	44,828	46,853	45,198	46,789	46,895	47,209	47,192	47,236
Professional and technical	13,226	13,756	13,706	14,158	14,399	14,365	14,239	14,255
Managers and administrators, except farm	9,804	10,286	9,699	10,212	9,933	10,107	10,182	10,174
Sales workers	5,814	5,960	5,726	5,861	5,911	5,931	6,017	5,872
Clerical workers	15,984	16,850	16,067	16,558	16,652	16,806	16,754	16,935
Blue-collar workers	31,566	32,883	30,229	31,655	31,544	31,683	31,225	31,482
Craft and kindred workers	12,325	12,999	11,903	12,302	12,218	12,467	12,229	12,559
Operatives, except transport	10,611	11,034	10,295	10,974	10,846	11,006	10,841	10,702
Transport equipment operatives	3,483	3,435	3,453	3,560	3,534	3,512	3,452	3,404
Nonfarm laborers	5,147	5,414	4,578	4,819	4,946	4,698	4,703	4,817
Service workers	12,779	13,155	12,520	12,830	12,883	12,993	12,838	12,884
Farm workers	3,143	3,225	2,741	2,687	2,698	2,895	2,802	2,809
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,595	1,728	1,314	1,408	1,434	1,482	1,364	1,423
Self-employed workers	1,675	1,716	1,578	1,539	1,573	1,669	1,652	1,617
Unpaid family workers	413	412	318	283	255	336	348	317
Nonagricultural industries:								
Wage and salary workers	81,929	85,518	80,918	83,648	84,049	84,513	84,016	84,406
Government	14,671	14,747	15,210	15,305	15,203	15,224	15,129	15,282
Private industries	67,258	70,771	65,708	68,343	68,846	69,289	68,887	69,124
Private households	1,426	1,406	1,388	1,388	1,393	1,368	1,394	1,369
Other industries	65,832	69,365	64,320	66,955	67,453	67,921	67,493	67,755
Self-employed workers	6,213	6,296	6,140	6,467	6,288	6,198	6,206	6,221
Unpaid family workers	490	446	483	506	520	468	496	440
PERSONS AT WORK ¹								
Nonagricultural industries	77,770	81,391	82,642	86,043	85,528	86,051	86,205	86,469
Full-time schedules	65,655	69,055	67,839	70,550	70,157	70,861	71,095	71,338
Part time for economic reasons	3,744	3,754	3,253	3,327	3,243	3,458	3,330	3,294
Usually work full time	1,226	1,398	1,220	1,224	1,211	1,433	1,385	1,391
Usually work part time	2,518	2,356	2,033	2,103	2,032	2,025	1,945	1,903
Part time for noneconomic reasons	8,371	8,582	11,550	12,166	12,128	11,732	11,780	11,837

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					
	Aug. 1977	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
DURATION								
Less than 5 weeks	2,741	2,701	2,865	2,790	2,932	2,727	3,025	2,822
5 to 14 weeks	2,427	2,157	2,237	1,784	1,803	1,916	1,854	1,988
15 weeks and over	1,589	1,073	1,800	1,384	1,358	1,231	1,292	1,215
15 to 26 weeks	706	478	933	716	680	651	665	631
27 weeks and over	883	595	867	668	678	580	627	584
Average (mean) duration, in weeks	13.4	11.0	13.7	12.3	12.1	12.0	11.8	11.2
Median duration, in weeks	7.1	6.0	7.2	5.8	5.2	5.8	5.9	6.0
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	40.6	45.5	41.5	46.8	48.1	46.4	49.0	46.8
5 to 14 weeks	35.9	36.4	32.4	29.9	29.6	32.6	30.0	33.0
15 weeks and over	23.5	18.1	26.1	23.2	22.3	21.0	20.9	20.2
15 to 26 weeks	10.4	8.1	13.5	12.0	11.2	11.1	10.8	10.5
27 weeks and over	13.1	10.0	12.6	11.2	11.1	9.9	10.2	9.7

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Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Aug. 1977	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
NUMBER OF UNEMPLOYED								
Lost last job	2,871	2,293	3,197	2,475	2,577	2,340	2,552	2,553
On layoff	801	641	963	593	683	606	714	770
Other job losers	2,070	1,652	2,234	1,882	1,894	1,734	1,838	1,783
Left last job	989	933	891	872	819	849	869	841
Reentered labor force	1,855	1,717	1,872	1,734	1,772	1,760	1,883	1,733
Seeking first job	1,042	988	947	925	901	810	880	893
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	42.5	38.7	46.3	41.2	42.5	40.6	41.3	42.4
On layoff	11.9	10.8	13.9	9.9	11.3	10.5	11.5	12.8
Other job losers	30.6	27.9	32.3	31.3	31.2	30.1	29.7	29.6
Job leavers	14.6	15.7	12.9	14.5	13.5	14.7	14.1	14.0
Reentrants	27.5	28.9	27.1	28.9	29.2	30.6	30.4	28.8
New entrants	15.4	16.7	13.7	15.4	14.8	14.1	14.2	14.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	2.9	2.2	3.3	2.5	2.6	2.3	2.5	2.5
Job leavers	1.0	.9	.9	.9	.8	.8	.9	.8
Reentrants	1.9	1.7	1.9	1.7	1.8	1.8	1.9	1.7
New entrants	1.1	1.0	1.0	.9	.9	.8	.9	.9

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

Sex and age	Number of unemployed persons (in thousands)		Unemployment rates					
	Aug. 1977	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
Total, 16 years and over	6,821	5,968	7.0	6.0	6.1	5.7	6.2	5.9
16 to 19 years	1,640	1,528	17.3	16.9	16.5	14.2	16.3	15.6
16 to 17 years	792	795	20.1	19.9	19.3	16.7	20.1	18.9
18 to 19 years	858	744	15.5	14.4	14.5	12.9	13.6	13.3
20 to 24 years	1,620	1,338	11.2	10.0	9.0	9.2	9.9	9.0
25 years and over	3,621	3,156	4.9	3.9	4.2	3.9	4.2	4.2
25 to 54 years	3,074	2,723	5.2	4.1	4.5	4.1	4.4	4.4
55 years and over	555	441	3.9	3.2	3.2	3.1	3.2	3.0
Men, 16 years and over	3,533	2,926	6.1	5.2	5.1	4.7	5.1	5.0
16 to 19 years	875	755	17.4	16.6	15.3	12.6	15.4	14.7
16 to 17 years	453	395	20.8	19.9	18.4	16.1	18.8	17.7
18 to 19 years	424	362	14.9	13.4	12.9	11.3	13.0	12.4
20 to 24 years	902	705	11.4	9.1	7.9	8.1	8.9	8.7
25 years and over	1,829	1,529	4.1	3.3	3.5	3.1	3.3	3.4
25 to 54 years	1,518	1,278	4.3	3.3	3.6	3.2	3.3	3.5
55 years and over	312	256	3.5	3.3	3.3	3.0	3.4	2.9
Women, 16 years and over	3,288	3,042	8.2	7.0	7.5	7.2	7.7	7.2
16 to 19 years	765	773	17.2	17.2	17.9	16.0	17.4	16.7
16 to 17 years	339	400	19.3	19.9	20.3	17.4	21.6	20.3
18 to 19 years	434	382	16.2	15.6	16.1	14.8	14.4	14.4
20 to 24 years	718	633	11.0	11.0	10.3	10.4	11.0	9.2
25 years and over	1,792	1,627	6.2	4.8	5.3	5.2	5.6	5.3
25 to 54 years	1,556	1,445	6.5	5.2	5.8	5.6	6.0	5.8
55 years and over	243	185	4.5	3.0	3.1	3.1	2.9	3.3

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Table A-7. Range of unemployment measures based on varying definitions of unemployment and the labor force, seasonally adjusted

(Percent)

Measures	Quarterly averages					Monthly data		
	1977			1978		1978		
	II	III	IV	I	II	June	July	Aug.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force	1.9	1.9	1.9	1.6	1.3	1.2	1.3	1.2
U-2—Job losers as a percent of the civilian labor force	3.1	3.2	3.0	2.6	2.5	2.3	2.5	2.5
U-3—Unemployed persons 25 years and over as a percent of the civilian labor force 25 years and over	5.0	4.9	4.7	4.0	4.0	3.9	4.2	4.2
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force	6.6	6.5	6.2	5.7	5.4	5.2	5.7	5.5
U-5—Total unemployed as a percent of the civilian labor force (official measure)	7.1	6.9	6.6	6.2	5.9	5.7	6.2	5.9
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons as a percent of the civilian labor force less ½ of the part-time labor force	8.7	8.6	8.2	7.6	7.5	7.4	7.7	7.5
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ½ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ½ of the part-time labor force	9.7	9.7	9.2	8.5	8.3	N.A.	N.A.	N.A.

N.A.= not available.

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

[Numbers in thousands]

State and employment status	Not seasonally adjusted ¹			Seasonally adjusted					
	Aug. 1977	July 1978	Aug. 1978	Aug. 1977	Apr. 1978	May 1978	June 1978	July 1978	Aug. 1978
California									
Civilian noninstitutional population ¹	15,976	16,259	16,283	15,976	16,175	16,202	16,232	16,259	16,283
Civilian labor force	10,365	10,716	10,691	10,259	10,643	10,615	10,544	10,561	10,586
Employed	9,547	9,848	9,947	9,406	9,862	9,802	9,783	9,742	9,807
Unemployed	819	868	745	853	781	813	761	819	779
Unemployment rate	7.9	8.1	7.0	8.3	7.3	7.7	7.2	7.8	7.4
Florida									
Civilian noninstitutional population ¹	6,379	6,569	6,585	6,379	6,515	6,533	6,552	6,569	6,585
Civilian labor force	3,544	3,829	3,713	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,285	3,568	3,468	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	259	261	245	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	7.3	6.8	6.6	(2)	(2)	(2)	(2)	(2)	(2)
Illinois									
Civilian noninstitutional population ¹	8,166	8,224	8,230	8,166	8,205	8,212	8,219	8,224	8,230
Civilian labor force	5,315	5,409	5,427	5,264	5,291	5,347	5,321	5,289	5,377
Employed	4,980	5,064	5,102	4,930	4,977	4,969	5,044	4,975	5,052
Unemployed	334	345	325	334	314	378	277	314	325
Unemployment rate	6.3	6.4	6.0	6.3	5.9	7.1	5.2	5.9	6.0
Massachusetts									
Civilian noninstitutional population ¹	4,300	4,339	4,343	4,300	4,327	4,331	4,335	4,339	4,343
Civilian labor force	2,851	2,934	2,905	(2)	(2)	(2)	(2)	(2)	(2)
Employed	2,593	2,748	2,710	2,553	2,672	2,662	2,690	2,691	2,670
Unemployed	259	186	195	(2)	(2)	(2)	(2)	(2)	(2)
Unemployment rate	9.1	6.3	6.7	(2)	(2)	(2)	(2)	(2)	(2)
Michigan									
Civilian noninstitutional population ¹	6,560	6,630	6,637	6,560	6,609	6,615	6,624	6,630	6,637
Civilian labor force	4,162	4,226	4,199	(2)	(2)	(2)	(2)	(2)	(2)
Employed	3,778	3,919	3,862	(2)	(2)	(2)	(2)	(2)	(2)
Unemployed	384	307	337	394	254	287	276	289	348
Unemployment rate	9.2	7.3	8.0	(2)	(2)	(2)	(2)	(2)	(2)
New Jersey									
Civilian noninstitutional population ¹	5,418	5,468	5,473	5,418	5,453	5,458	5,464	5,468	5,473
Civilian labor force	3,388	3,485	3,502	3,304	3,339	3,363	3,374	3,385	3,418
Employed	3,065	3,209	3,266	2,976	3,093	3,101	3,128	3,127	3,177
Unemployed	323	276	236	328	246	262	246	258	241
Unemployment rate	9.5	7.9	6.7	9.9	7.4	7.8	7.3	7.6	7.1
New York									
Civilian noninstitutional population ¹	13,304	13,339	13,341	13,304	13,324	13,328	13,334	13,339	13,341
Civilian labor force	7,876	8,040	8,026	7,708	7,842	7,815	7,784	7,792	7,857
Employed	7,248	7,426	7,442	7,063	7,239	7,165	7,211	7,200	7,257
Unemployed	627	614	584	645	603	650	573	592	600
Unemployment rate	8.0	7.6	7.3	8.4	7.7	8.3	7.4	7.6	7.6
Ohio									
Civilian noninstitutional population ¹	7,788	7,844	7,849	7,788	7,826	7,832	7,838	7,844	7,849
Civilian labor force	4,940	5,024	5,012	4,819	4,850	4,883	4,875	4,930	4,891
Employed	4,694	4,758	4,751	4,570	4,574	4,603	4,634	4,654	4,627
Unemployed	246	267	261	249	276	280	241	276	264
Unemployment rate	5.0	5.3	5.2	5.2	5.7	5.7	4.9	5.6	5.4
Pennsylvania									
Civilian noninstitutional population ¹	8,821	8,874	8,878	8,821	8,856	8,861	8,868	8,874	8,878
Civilian labor force	5,281	5,364	5,316	5,215	5,248	5,189	5,221	5,284	5,248
Employed	4,877	4,973	4,968	4,808	4,866	4,853	4,919	4,893	4,897
Unemployed	403	390	347	407	382	336	302	391	351
Unemployment rate	7.6	7.3	6.5	7.8	7.3	6.5	5.8	7.4	6.7
Texas									
Civilian noninstitutional population ¹	9,026	9,215	9,233	9,026	9,160	9,179	9,198	9,215	9,233
Civilian labor force	5,819	6,102	6,041	5,755	5,955	6,003	5,994	5,989	5,979
Employed	5,504	5,785	5,736	5,452	5,695	5,730	5,719	5,690	5,684
Unemployed	315	317	306	303	260	273	275	299	295
Unemployment rate	5.4	5.2	5.1	5.3	4.4	4.5	4.6	5.0	4.9

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

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

² Seasonally-adjusted data are not presented for this series, because the variations that are due to seasonal influences cannot be separated with sufficient precision from those which stem from the trend-cycle and irregular components of the original time series.

NOTE: A comprehensive reappraisal of the seasonal adjustment of the employment and unemployment series for all 10 States is now underway. Revisions in certain series will be introduced in the near future.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

(In thousands)

Industry	Not seasonally adjusted				Seasonally adjusted					
	AUG. 1977	JUNE 1978	JULY ^p 1978	AUG. ^p 1978	AUG. 1977	APR. 1978	MAY 1978	JUNE 1978	JULY ^p 1978	AUG. ^p 1978
TOTAL	82,397	86,642	85,796	86,095	82,474	85,223	85,466	85,820	86,003	86,116
GOODS-PRODUCING	24,800	25,906	25,795	26,112	24,305	25,351	25,429	25,554	25,614	25,548
MINING	833	928	936	939	818	898	903	912	915	922
CONTRACT CONSTRUCTION	4,204	4,534	4,642	4,704	3,893	4,237	4,268	4,355	4,379	4,356
MANUFACTURING	19,763	20,444	20,217	20,469	19,594	20,216	20,258	20,287	20,316	20,270
<i>Production workers</i>	14,217	14,751	14,498	14,734	14,078	14,588	14,614	14,616	14,611	14,560
DURABLE GOODS	11,522	12,168	12,056	12,139	11,527	11,992	12,029	12,049	12,110	12,115
<i>Production workers</i>	8,230	8,758	8,620	8,696	8,252	8,632	8,653	8,654	8,682	8,682
Ordnance and accessories	155.9	158.6	159.8	161.3	156	157	158	159	160	161
Lumber and wood products	666.7	692.8	689.7	696.6	642	669	672	670	670	671
Furniture and fixtures	513.2	536.5	523.3	541.4	508	538	537	535	538	536
Stone, clay, and glass products	673.5	704.2	703.2	701.4	656	687	685	690	689	683
Primary metal industries	1,206.3	1,238.5	1,229.8	1,229.7	1,202	1,216	1,224	1,223	1,222	1,225
Fabricated metal products	1,464.0	1,536.3	1,513.7	1,523.3	1,460	1,520	1,524	1,524	1,529	1,519
Machinery, except electrical	2,192.7	2,346.8	2,340.6	2,354.6	2,210	2,311	2,319	2,335	2,362	2,374
Electrical equipment	1,947.2	2,064.0	2,054.3	2,084.9	1,951	2,041	2,045	2,056	2,083	2,089
Transportation equipment	1,749.4	1,901.1	1,874.8	1,863.0	1,802	1,876	1,882	1,875	1,883	1,867
Instruments and related products	527.6	558.5	554.7	554.8	526	548	551	555	556	553
Miscellaneous manufacturing	425.8	430.4	411.8	428.2	414	429	428	427	418	417
NONDURABLE GOODS	8,241	8,276	8,161	8,330	8,067	8,224	8,229	8,238	8,206	8,155
<i>Production workers</i>	5,987	5,993	5,878	6,038	5,826	5,956	5,961	5,962	5,929	5,878
Food and kindred products	1,830.0	1,724.8	1,752.6	1,822.6	1,710	1,740	1,731	1,733	1,723	1,703
Tobacco manufacturers	73.7	62.5	62.7	67.9	68	68	65	70	69	62
Textile mill products	990.0	1,003.5	979.5	1,000.4	982	991	995	994	998	992
Apparel and other textile products	1,295.2	1,314.6	1,240.6	1,289.3	1,286	1,303	1,299	1,299	1,283	1,280
Paper and allied products	711.0	730.0	724.0	722.4	704	718	722	723	725	715
Printing and publishing	1,112.0	1,150.1	1,145.2	1,152.5	1,114	1,137	1,141	1,150	1,150	1,155
Chemicals and allied products	1,070.6	1,085.1	1,084.4	1,086.7	1,061	1,074	1,080	1,079	1,079	1,077
Petroleum and coal products	215.0	219.2	220.0	220.4	210	216	215	215	214	215
Rubber and plastics products, nec	678.3	714.4	702.2	705.2	671	713	712	710	710	698
Leather and leather products	265.6	272.0	249.3	262.8	261	264	265	265	255	258
SERVICE-PRODUCING	57,597	60,736	60,001	59,983	58,169	59,872	60,037	60,266	60,389	60,568
TRANSPORTATION AND PUBLIC UTILITIES	4,604	4,771	4,729	4,754	4,581	4,709	4,714	4,728	4,696	4,730
WHOLESALE AND RETAIL TRADE	18,352	19,145	19,109	19,179	18,377	18,891	18,967	19,064	19,126	19,205
WHOLESALE TRADE	4,429	4,604	4,602	4,621	4,398	4,555	4,568	4,581	4,575	4,589
RETAIL TRADE	13,923	14,541	14,507	14,558	13,979	14,336	14,399	14,483	14,551	14,616
FINANCE, INSURANCE, AND REAL ESTATE	4,578	4,780	4,816	4,831	4,524	4,683	4,712	4,737	4,754	4,774
SERVICES	15,587	16,239	16,331	16,358	15,448	15,962	15,970	16,031	16,153	16,212
GOVERNMENT	14,476	15,801	15,016	14,861	15,239	15,627	15,674	15,706	15,660	15,647
FEDERAL	2,757	2,802	2,815	2,794	2,732	2,744	2,753	2,772	2,763	2,769
STATE AND LOCAL	11,719	12,999	12,201	12,067	12,507	12,883	12,921	12,934	12,897	12,878

^p=preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

Industry	Not seasonally adjusted				Seasonally adjusted					
	AUG. 1977	JUNE 1978	JULY 1978 ^p	AUG. ^p 1978	AUG. 1977	APR. 1978	MAY 1978	JUNE 1978	JULY 1978 ^p	AUG. ^p 1978
TOTAL PRIVATE	36.5	36.3	36.5	36.4	36.0	36.3	36.0	36.1	36.0	35.9
MINING	44.2	44.1	43.3	43.3	44.2	44.3	43.9	43.6	43.2	43.3
CONTRACT CONSTRUCTION	37.4	37.9	38.3	37.9	36.5	37.4	36.7	37.3	37.4	36.9
MANUFACTURING	40.3	40.7	40.2	40.3	40.3	40.6	40.3	40.4	40.4	40.3
<i>Overtime hours</i>	3.5	3.5	3.5	3.6	3.3	3.6	3.5	3.5	3.5	3.5
DURABLE GOODS	40.8	41.4	40.8	40.8	40.9	41.2	40.9	41.1	41.1	40.9
<i>Overtime hours</i>	3.6	3.8	3.7	3.8	3.5	3.9	3.7	3.7	3.8	3.7
Ordnance and accessories	39.8	41.1	40.1	40.6	40.2	40.3	40.7	40.9	40.4	41.0
Lumber and wood products	40.1	40.8	40.0	40.2	39.6	39.9	39.4	40.0	40.2	39.7
Furniture and fixtures	39.5	39.7	39.0	39.5	39.0	39.8	39.4	39.3	39.4	39.0
Stone, clay, and glass products	41.8	42.3	42.1	41.9	41.4	42.1	41.6	41.9	41.9	41.5
Primary metal industries	40.8	42.0	41.9	41.5	41.0	41.4	41.6	41.7	42.0	41.7
Fabricated metal products	41.0	41.4	40.5	40.9	40.9	41.4	41.0	41.1	40.5	40.8
Machinery, except electrical	41.5	42.2	41.2	41.6	41.8	42.2	42.0	42.3	41.9	41.5
Electrical equipment	40.2	40.4	39.9	40.0	40.3	40.3	40.1	40.2	40.5	40.1
Transportation equipment	41.4	42.1	41.7	40.9	42.3	41.9	41.4	41.7	41.5	41.8
Instruments and related products	40.1	40.8	40.2	40.1	40.3	41.2	40.7	40.8	40.6	40.3
Miscellaneous manufacturing	38.8	39.1	38.4	38.6	38.8	39.3	38.9	39.0	38.8	38.6
NONDURABLE GOODS	39.5	39.7	39.5	39.6	39.3	39.8	39.5	39.5	39.4	39.3
<i>Overtime hours</i>	3.3	3.2	3.2	3.4	3.1	3.4	3.2	3.1	3.1	3.2
Food and kindred products	40.2	39.7	40.0	40.1	39.7	40.0	39.8	39.6	39.7	39.5
Tobacco manufacturers	38.1	40.7	36.3	37.1	37.8	38.9	39.0	40.5	39.0	36.8
Textile mill products	40.4	40.7	40.1	40.3	40.2	40.7	40.3	40.1	40.0	40.1
Apparel and other textile products	35.8	36.1	35.9	35.9	35.5	36.1	35.8	35.9	35.6	35.6
Paper and allied products	42.7	43.2	42.8	43.0	42.4	43.4	42.9	43.0	42.8	42.7
Printing and publishing	37.9	37.5	37.6	38.0	37.7	38.1	37.4	37.5	37.7	37.8
Chemicals and allied products	41.6	42.0	41.6	41.5	41.8	41.9	41.8	41.9	41.7	41.7
Petroleum and coal products	42.7	43.9	44.4	43.4	43.0	43.8	43.5	43.8	43.9	43.7
Rubber and plastics products, nec	40.7	41.0	40.4	40.8	40.8	41.0	40.8	40.9	40.6	40.9
Leather and leather products	37.4	38.4	37.6	37.6	37.3	38.3	37.7	37.6	37.2	37.5
TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.3	40.4	40.4	40.0	40.1	40.3	40.1	40.0	40.0
WHOLESALE AND RETAIL TRADE	34.0	33.4	33.8	33.6	33.2	33.1	33.0	33.0	33.0	32.9
WHOLESALE TRADE	38.9	39.1	39.2	39.1	38.8	39.0	38.9	39.0	39.0	39.0
RETAIL TRADE	32.6	31.7	32.3	32.1	31.6	31.4	31.3	31.3	31.3	31.1
FINANCE, INSURANCE, AND REAL ESTATE	36.8	36.5	36.8	36.7	36.7	36.8	36.5	36.5	36.7	36.6
SERVICES	33.7	33.5	33.8	33.8	33.2	33.4	33.2	33.3	33.2	33.3

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

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

Industry	Average hourly earnings				Average weekly earnings			
	AUG. 1977	JUNE 1978	JULY 1978 ^p	AUG. ^p 1978	AUG. 1977	JUNE 1978	JULY 1978 ^p	AUG. ^p 1978
TOTAL PRIVATE	\$5.26	\$5.67	\$5.71	\$5.72	\$191.99	\$205.82	\$208.42	\$208.21
<i>Seasonally adjusted</i>	5.28	5.68	5.73	5.74	190.08	205.05	206.28	206.07
MINING	6.86	7.60	7.69	7.69	303.21	335.16	332.98	332.98
CONTRACT CONSTRUCTION	8.06	8.48	8.57	8.62	301.44	321.39	328.23	326.70
MANUFACTURING	5.65	6.07	6.13	6.13	227.70	247.95	246.43	247.04
DURABLE GOODS	6.03	6.47	6.52	6.52	246.02	267.86	266.02	266.02
Ordnance and accessories	6.30	6.72	6.76	6.87	250.74	276.19	271.08	278.92
Lumber and wood products	5.13	5.61	5.66	5.64	205.71	228.89	226.40	226.73
Furniture and fixtures	4.35	4.64	4.66	4.73	171.83	184.21	181.74	186.84
Stone, clay, and glass products	5.84	6.28	6.33	6.32	244.11	265.64	266.49	264.81
Primary metal industries	7.60	8.12	8.20	8.25	310.08	341.04	343.58	342.38
Fabricated metal products	5.87	6.22	6.25	6.29	240.67	257.51	253.13	257.26
Machinery, except electrical	6.21	6.65	6.66	6.70	257.72	280.63	274.35	278.72
Electrical equipment	5.40	5.72	5.80	5.82	217.08	231.09	231.42	232.80
Transportation equipment	7.11	7.67	7.71	7.63	294.35	322.91	321.51	312.67
Instruments and related products	5.21	5.55	5.60	5.55	208.92	226.44	225.12	222.56
Miscellaneous manufacturing	4.33	4.64	4.67	4.71	168.00	181.42	179.33	181.81
NONDURABLE GOODS	5.11	5.45	5.54	5.54	201.85	216.37	218.83	215.38
Food and kindred products	5.36	5.73	5.79	5.80	216.01	227.48	231.60	232.58
Tobacco manufacturers	5.43	6.56	6.50	6.18	206.88	266.99	237.90	229.28
Textile mill products	4.05	4.20	4.30	4.37	163.62	170.94	172.00	176.11
Apparel and other textile products	3.62	3.92	3.92	3.95	129.60	141.51	140.73	141.81
Paper and allied products	6.00	6.46	6.58	6.58	256.20	279.07	281.62	282.94
Printing and publishing	6.15	6.44	6.48	6.53	233.09	241.50	243.65	248.14
Chemicals and allied products	6.45	6.93	7.02	7.03	268.32	291.06	292.03	291.75
Petroleum and coal products	7.73	8.37	8.44	8.43	330.07	367.44	374.74	365.86
Rubber and plastics products, nec	5.14	5.44	5.49	5.50	209.20	223.04	221.80	224.40
Leather and leather products	3.62	3.91	3.92	3.91	135.39	150.14	147.35	147.02
TRANSPORTATION AND PUBLIC UTILITIES	6.99	7.44	7.50	7.56	282.40	299.83	303.00	305.42
WHOLESALE AND RETAIL TRADE	4.28	4.65	4.67	4.67	145.52	155.31	157.85	156.91
WHOLESALE TRADE	5.56	6.03	6.09	6.09	216.28	235.77	238.73	238.12
RETAIL TRADE	3.83	4.15	4.17	4.17	124.86	131.56	134.69	133.86
FINANCE, INSURANCE, AND REAL ESTATE	4.60	4.95	5.01	4.98	169.28	180.68	184.37	182.77
SERVICES	4.68	5.04	5.06	5.04	157.72	168.84	171.03	170.35

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	AUG. 1977	MAR. 1978	APR. 1978	MAY 1978	JUNE 1978	JULY ^P 1978	AUG. ^P 1978	Percent change from	
								AUG. 1977- AUG. 1978	JULY 1978- AUG. 1978
TOTAL PRIVATE NONFARM:									
Current dollars	199.9	210.2	212.1	212.8	213.9	215.8	216.1	8.1	0.1
Constant (1967) dollars	109.2	110.5	110.6	109.9	109.5	110.0	N.A.	(2)	(3)
MINING	217.4	225.3	235.6	236.5	239.2	242.8	243.9	12.2	.5
CONTRACT CONSTRUCTION	195.8	203.8	204.2	206.2	207.7	209.2	209.6	7.0	.2
MANUFACTURING	201.2	210.9	212.1	213.3	214.8	216.6	217.3	8.0	.3
TRANSPORTATION AND PUBLIC UTILITIES	212.3	225.0	228.2	228.3	229.0	230.1	229.2	7.9	-.4
WHOLESALE AND RETAIL TRADE	193.3	204.8	207.1	207.2	208.4	210.6	210.9	9.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	180.6	181.5	191.5	191.6	193.7	196.3	195.5	8.2	-.4
SERVICES	204.8	215.7	217.4	217.5	217.5	219.7	220.2	7.5	.2

¹ See footnote 1, table B-2.² PERCENT CHANGE WAS .6 FROM JULY 1977 TO JULY 1978, THE LATEST MONTH AVAILABLE.³ PERCENT CHANGE WAS .4 FROM JUNE 1978 TO JULY 1978, THE LATEST MONTH AVAILABLE.

N.A. = not available.

p=preliminary.

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

Table B-5. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry, seasonally adjusted

[1967=100]

Industry division and group	1977					1978							
	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY ^P	AUG. ^P
TOTAL PRIVATE	115.6	115.9	116.8	117.2	117.5	116.1	117.0	119.2	120.3	120.0	120.7	120.9	120.8
GOODS-PRODUCING	100.6	100.9	101.7	102.3	102.1	99.5	101.4	104.3	106.8	106.1	107.1	107.1	106.2
MINING	134.7	142.5	143.9	144.8	113.3	110.7	112.6	118.7	150.5	150.5	150.3	150.4	151.0
CONTRACT CONSTRUCTION	110.8	110.4	112.3	114.0	113.5	104.7	108.9	116.5	125.0	123.6	128.8	130.0	127.0
MANUFACTURING	97.6	97.8	98.4	98.8	99.7	98.2	99.7	101.7	102.1	101.5	101.8	101.6	101.0
DURABLE GOODS	98.1	98.4	99.3	99.5	100.8	99.3	100.9	103.0	103.3	102.8	103.3	103.4	103.2
Ordinance and accessories	39.3	39.1	38.2	38.2	40.2	39.8	38.1	41.3	40.5	40.9	41.7	41.2	42.3
Lumber and wood products	104.0	106.0	106.8	109.5	109.8	107.6	106.8	109.3	109.0	107.8	109.4	109.8	108.4
Furniture and fixtures	107.2	108.3	110.6	111.7	113.8	109.3	116.5	117.6	117.0	115.3	114.5	115.0	113.6
Stone, clay, and glass products	104.1	103.3	103.2	106.7	107.0	104.3	105.4	108.0	110.7	109.8	110.6	110.4	108.0
Primary metal industries	88.2	89.0	89.7	89.5	89.7	89.5	91.2	90.9	90.8	92.0	92.0	92.9	92.2
Fabricated metal products	103.3	103.1	105.0	105.7	107.7	105.3	107.6	109.1	109.7	108.9	109.1	108.6	107.2
Machinery, except electrical	103.5	103.6	105.5	104.9	106.0	104.0	107.0	109.1	110.0	109.7	111.3	111.9	112.4
Electrical equipment and supplies	98.3	97.8	98.8	99.4	100.4	98.9	100.3	103.4	103.1	102.8	103.3	105.0	104.7
Transportation equipment	95.4	96.5	96.2	94.5	96.7	96.5	96.3	99.0	99.1	98.2	97.9	96.6	98.8
Instruments and related products	111.3	112.4	113.2	113.4	114.4	113.4	114.8	117.8	119.2	118.1	119.8	118.8	116.6
Miscellaneous manufacturing industry	91.3	90.3	91.1	91.5	93.9	92.3	93.9	96.4	96.9	95.3	95.6	92.5	91.4
NONDURABLE GOODS	96.9	96.9	97.1	97.8	98.1	96.5	97.8	99.9	100.3	99.6	99.6	98.9	97.9
Food and kindred products	94.5	94.1	92.8	94.2	94.6	94.4	96.0	97.6	97.5	96.3	95.8	95.3	93.4
Tobacco manufacturers	71.7	73.2	72.4	72.2	74.0	72.4	74.4	76.7	73.8	75.3	78.2	73.9	62.0
Textile mill products	98.9	99.4	100.2	101.4	100.8	99.3	100.4	101.3	101.2	100.5	99.9	100.1	99.7
Apparel and other textile products	87.8	87.2	87.8	88.6	89.0	84.2	87.2	89.4	90.8	89.8	90.0	88.4	87.8
Paper and allied products	99.4	99.7	100.2	99.6	100.8	99.3	100.2	103.1	103.7	103.5	104.1	104.0	102.0
Printing and publishing	95.1	95.7	95.7	95.9	95.9	94.6	95.3	97.4	97.6	96.1	96.8	97.4	98.0
Chemicals and allied products	103.4	103.0	102.6	103.0	103.5	103.8	104.5	105.5	105.2	106.1	106.4	105.9	105.0
Petroleum and coal products	120.4	120.8	122.8	124.8	125.7	126.6	127.8	128.6	127.2	124.5	125.4	124.8	125.1
Rubber and plastics products, nec	129.7	129.3	130.5	132.5	133.8	131.3	131.9	137.4	139.8	139.1	138.9	138.1	135.2
Leather and leather products	71.8	72.7	73.8	73.7	71.9	70.7	70.7	72.6	74.7	73.5	73.3	69.6	71.2
SERVICE-PRODUCING	126.1	126.4	127.2	127.5	128.2	127.6	127.8	129.4	129.7	129.6	130.1	130.5	130.9
TRANSPORTATION AND PUBLIC UTILITIES	103.5	103.9	102.9	105.1	105.6	103.5	105.4	106.3	105.6	106.2	105.9	104.6	105.4
WHOLESALE AND RETAIL TRADE	121.6	121.8	122.7	122.4	123.2	122.3	122.3	124.1	124.2	124.5	125.1	125.5	125.4
WHOLESALE TRADE	117.5	117.8	118.7	118.8	118.9	118.9	120.3	121.7	122.0	122.1	122.6	122.4	122.8
RETAIL TRADE	123.1	123.3	124.2	123.7	124.8	123.5	123.1	124.9	125.0	125.4	126.0	126.6	126.3
FINANCE, INSURANCE, AND REAL ESTATE	132.7	133.2	134.2	134.9	134.9	135.4	135.9	136.7	138.0	137.5	138.4	139.7	139.8
SERVICES	140.6	140.9	142.7	142.6	143.4	143.8	143.4	145.3	145.7	145.0	145.7	146.6	147.6

¹ See footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1975				
January.....	15.1	12.8	12.8	16.6
February.....	15.7	12.8	11.9	17.4
March.....	25.6	18.6	17.7	17.7
April.....	39.0	32.3	28.2	20.6
May.....	51.2	43.9	41.6	27.0
June.....	40.7	52.3	56.7	40.7
July.....	58.1	57.0	67.2	50.6
August.....	73.0	76.2	70.1	63.1
September.....	80.8	81.7	75.3	72.4
October.....	66.9	74.1	82.3	77.3
November.....	62.2	72.4	83.4	80.2
December.....	74.1	74.7	81.7	82.6
1976				
January.....	78.5	82.0	83.1	86.0
February.....	77.9	84.3	81.7	84.6
March.....	74.1	85.2	79.9	81.1
April.....	79.4	77.9	79.4	74.4
May.....	66.6	71.5	70.9	79.7
June.....	54.1	61.0	68.6	79.1
July.....	57.3	52.9	57.0	74.1
August.....	47.1	62.5	57.3	74.7
September.....	69.8	56.7	63.7	78.5
October.....	42.4	62.8	69.8	76.5
November.....	69.5	58.7	73.5	75.0
December.....	73.0	79.9	78.5	74.7
1977				
January.....	75.0	79.7	89.0	75.9
February.....	73.5	86.0	86.6	75.6
March.....	82.3	85.8	83.1	78.2
April.....	77.6	84.0	80.5	78.2
May.....	68.6	73.3	71.5	79.1
June.....	63.7	70.1	68.0	77.6
July.....	65.7	56.1	68.3	78.8
August.....	50.0	62.5	68.3	78.8
September.....	61.3	57.0	72.1	75.6
October.....	59.9	73.3	75.0	77.9
November.....	75.9	76.2	80.5	75.6
December.....	73.8	77.9	83.7	77.3
1978				
January.....	66.9	80.5	85.2	80.5p
February.....	70.1	81.7	84.0	79.4p
March.....	74.4	77.6	77.6	
April.....	68.9	74.4	74.1p	
May.....	62.8	63.1	66.3p	
June.....	63.1	65.7p		
July.....	59.6p	59.9p		
August.....	56.4p			
September.....				
October.....				
November.....				
December.....				

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