

News

United States
Department
of Labor



Bureau of Labor Statistics

Washington, D.C. 20212

Contact: J. Bregger (202) 523-1944
523-1371
K. Hoyle (202) 523-1913
523-1208
home: 333-1384

USDL 77-770
TRANSMISSION OF MATERIAL IN THIS RELEASE IS
EMBARGOED UNTIL 9:00 A. M. (EDT), FRIDAY,
SEPTEMBER 2, 1977

THE EMPLOYMENT SITUATION: AUGUST 1977

Both employment and unemployment rose in August, it was reported today by the Bureau of Labor Statistics of the U. S. Department of Labor. The Nation's unemployment rate increased slightly, returning to the June level of 7.1 percent. The rate has hovered around the 7-percent mark for the past 5 months.

Total employment--as measured by the monthly survey of households--resumed its advance in August with a modest increase of 210,000 to 90.8 million. The number of employed persons has grown by 2.9 million over the past year, while the proportion of the population with jobs has increased from 56.2 to 57.1 percent.

Nonfarm payroll employment--as measured by the monthly survey of establishments--was up only slightly (90,000) over the month. At 82.4 million, the payroll job count was 2.8 million above its year-ago level.

Unemployment

The number of unemployed persons rose by 180,000 in August to 6.9 million, seasonally adjusted. The increase occurred primarily among persons losing their jobs, as their proportion of the jobless total rose for the second consecutive month, to 47 percent. The overall unemployment rate was 7.1 percent, up from 6.9 percent in July. The jobless rate has fluctuated around the 7-percent mark since April, after declining from 8 percent in the preceding 5-month period. Nearly all worker groups shared in the over-the-year improvement--two notable exceptions were blacks and Vietnam-era veterans. (See tables A-1, A-2, and A-5.)

The over-the-month increase in unemployment was concentrated among black workers. At 14.5 percent in August, their unemployment rate matched the post-World War II high recorded in September 1975. Jobless rates were up for both black men (11.7 percent) and women (12.2 percent), while the rate for black teenagers (40.4 percent) approximated

July's extremely high level. By contrast, there was little change in the unemployment rates among white men (4.5 percent), women (6.3 percent), or teenagers (14.7 percent). As a result of these developments, the ratio of black-to-white jobless rates continued its recent updrift to the unusually high level of 2.4 to 1 in August. (See table A-2.)

The average (mean) duration of unemployment was 13.5 weeks in August, continuing a downward trend that began in early 1976. Average duration has declined about one and a half weeks since May.

The number of persons working part time for economic reasons declined 170,000 from July and stood at 3.2 million in August. All of the decline occurred among those who usually work at full-time jobs. (See table A-3.)

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

Selected categories	Quarterly averages					Monthly data		
	1976			1977		1977		
	II	III	IV	I	II	June	July	Aug.
HOUSEHOLD DATA								
Thousands of persons								
Civilian labor force	94,544	95,261	95,711	96,067	97,186	97,641	97,305	97,697
Total employment	87,501	87,804	88,133	88,998	90,370	90,679	90,561	90,771
Unemployment	7,043	7,457	7,578	7,068	6,816	6,962	6,744	6,926
Not in labor force	59,032	58,963	59,132	59,379	58,908	58,686	59,242	59,064
Discouraged workers	903	827	992	929	1,061	N.A.	N.A.	N.A.
Percent of labor force								
Unemployment rates:								
All workers	7.4	7.8	7.9	7.4	7.0	7.1	6.9	7.1
Adult men	5.7	6.0	6.2	5.6	5.1	5.0	5.1	5.2
Adult women	7.1	7.7	7.6	7.1	6.9	7.2	6.9	7.1
Teenagers	18.8	18.8	19.1	18.6	18.1	18.6	17.4	17.5
White	6.8	7.1	7.2	6.7	6.3	6.3	6.1	6.1
Black and other	12.9	13.1	13.4	12.8	12.8	13.2	13.2	14.5
Full-time workers	7.0	7.4	7.5	6.8	6.5	6.5	6.5	6.8
Thousands of jobs								
ESTABLISHMENT DATA								
Nonfarm payroll employment ...	79,333	79,683	80,090	80,927	81,909	82,121	82,366p	82,448p
Goods-producing industries ...	23,380	23,372	23,440	23,765	24,292	24,353	24,419p	24,307p
Service-producing industries ..	55,953	56,311	56,650	57,162	57,617	57,768	57,947p	58,141p
Hours of work								
Average weekly hours:								
Total private nonfarm	36.2	36.1	36.2	36.1	36.2	36.2	36.1p	36.0p
Manufacturing	40.0	39.9	40.0	40.1	40.4	40.5	40.3p	40.1p
Manufacturing overtime	3.0	3.0	3.1	3.1	3.4	3.4	3.4p	3.3p

p=preliminary.

N.A.=not available.

Total Employment and the Labor Force

Total employment edged up by 210,000 in August to 90.8 million. Except for a pause in July, this continued the pattern of steady growth dating back to last fall. All of the increase in employment occurred among white workers--adult men and teenagers. However, the employment-population ratio--the proportion of the total noninstitutional population that is employed--remained at July's level of 57.1 percent. Although there has been little change since April, the August ratio was almost a full percentage point above the year-ago level. (See table A-1.)

The civilian labor force increased by 390,000 in August, following a 340,000 decline in July. Most of this increase occurred among teenagers, who had accounted for the July reduction. The total civilian labor force has shown strong gains throughout most of 1977 and over the past 12 months has grown by 2.3 million. The labor force participation rate, at 62.3 percent, was little changed from July but half a point higher than the year-earlier rate.

Industry Payroll Employment

Reflecting divergent movements in goods- and service-producing employment, total nonagricultural payroll employment grew slightly in August. Over-the-month employment gains were posted in 41 percent of the industries comprising the BLS diffusion index of nonagricultural payroll employment; the index had dropped this low only one other time during the past 2 years. Substantial gains during 10 of the past 12 months, however, have raised the payroll job count 2.8 million over the year to the seasonally-adjusted August level of 82.4 million. (See tables B-1 and B-6.)

The modest rise in overall payroll employment in August resulted from an increase in the service-producing sector's job count, which more than offset the employment declines in the goods sector. The service-producing sector posted its largest increase in 5 months, adding nearly 200,000 jobs. Employment growth was particularly strong in services and trade.

The goods-producing sector registered its first setback since October, declining by more than 100,000 jobs. Manufacturing dropped back to its May level, primarily due to reductions in nondurable goods. Contract construction suffered a loss of some of its

prior month's gain, but the industry's employment remained well above the levels prevailing in 1976 and early 1977.

Hours

For the third consecutive month, the average workweek for production or nonsupervisory workers on private nonagricultural payrolls dropped a tenth of an hour. The August level of 36.0 hours, seasonally adjusted, was the lowest since last September (with the exception of January's weather-induced low). The manufacturing workweek declined 0.2 hour in August to 40.1 hours. Manufacturing overtime was 3.4 hours for the fifth straight month. (See table B-2.)

The index of aggregate weekly hours of private production or nonsupervisory workers on nonagricultural payrolls declined 0.3 percent in August. The drop was concentrated in the goods-producing sector, with the manufacturing index dropping 1.1 percent. The overall index, which is regarded as the most comprehensive measure of labor force activity, has been declining since May, following strong growth earlier in 1977. At 115.3 (1967=100), the index was still 3.1 percent above last August's level. (See table B-5.)

Hourly and Weekly Earnings

On a seasonally-adjusted basis, average hourly earnings of production or nonsupervisory workers on private nonagricultural payrolls held steady over the month, while weekly earnings experienced a moderate decline. The 0.3-percent decrease reflects a similar drop in weekly hours. Hourly and weekly earnings were 7.1 and 6.8 percent above their respective levels of a year ago.

Before adjustment for seasonality, average hourly earnings were \$5.23 in August, down 1 cent from July but up 34 cents from the level 12 months earlier. Average weekly earnings, at \$190.37, declined 89 cents over the month but were \$11.40 above the August 1976 level. (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 199.1 (1967=100) in August, 0.1 percent higher than in July. The index was 6.6 percent above August a year ago. During the 12-month period ended in July, the

Hourly Earnings Index in dollars of constant purchasing power rose 0.3 percent. (See table B-4.)

Explanatory Note

This release presents and analyzes statistics from two major surveys. Data on labor force, total employment, and unemployment (A tables) are derived from the Current Population Survey, a sample survey of households conducted by the Bureau of the Census for the Bureau of Labor Statistics. The sample consists of about 47,000 households selected to represent the U.S. civilian noninstitutional population 16 years of age and over.

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

Comparability of household and payroll employment statistics

Employment data from the household and payroll surveys differ in several basic respects. The household survey provides information on the labor force activity of the entire population 16 years of age and over, without duplication, since each person is classified as employed, unemployed, or not in the labor force.

The payroll survey relates only to paid wage and salary employees (regardless of age) on the payrolls of nonagricultural establishments. The household survey counts employed persons in both agriculture and in nonagricultural industries and, in addition to wage and salary workers (including private household workers), includes the self-employed, unpaid family workers, and persons "with a job but not at work" and not paid for the period absent. Persons who worked at more than one job during the survey week or otherwise appear on more than one payroll are counted more than once in the establishment survey. Such persons are counted only once in the household survey and are classified in the job at which they worked the greatest number of hours.

Unemployment

To be classified in the household survey as unemployed an individual must: (1) have been without a job during the survey week, (2) have made specific efforts to find employment sometime during the prior 4 weeks, and (3) be presently available for work. In addition, persons on lay-off and those waiting to begin a new job (within 30 days) are also classified as unemployed. The unemployed total

includes all persons who satisfactorily meet the above criteria, regardless of their eligibility for unemployment insurance benefits or any kind of public assistance. The unemployment rate represents the unemployed as a proportion of the civilian labor force (the employed and unemployed combined).

To meet the extensive needs of data users, the Bureau regularly publishes data on a wide variety of labor market indicators—see, for example, the demographic, occupational, and industry detail in tables A-2 and A-3. A special grouping of seven unemployment measures is set forth in table A-7. Identified by the symbols U-1 through U-7, these measures represent a range of possible definitions of unemployment and of the labor force, extending from the most restrictive (U-1) to the most comprehensive (U-7). The official rate of unemployment appears as U-5.

Seasonal adjustment

Nearly all economic phenomena are affected to some degree by seasonal variations. These are recurring, predictable events which are repeated more or less regularly each year—changes in weather, school vacations, major holidays, industry production schedules, etc. The cumulative effects of these events are often large. For example, on average over the year, they explain about 90 percent of the month-to-month variance in the unemployment figures. Since seasonal variations tend to be large relative to the underlying cyclical trends, it is necessary to use seasonally-adjusted data to interpret short-term economic developments. At the beginning of each year, current seasonal adjustment factors for unemployment and other labor force series are calculated taking into account the prior year's experience, and revised data are introduced in the release containing January data.

All seasonally-adjusted civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. The official unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of four seasonally-adjusted age-sex components) by the civilian labor force (the sum of 12 seasonally-adjusted age-sex components). Several alternative methods for seasonally adjusting the overall unemployment rate are also used on a regular basis in order to illustrate the degree of uncertainty that arises because of the seasonal adjustment procedure. Among these alternative methods are five different age-sex adjustments,

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

For establishment data, the seasonally-adjusted series for all employees, production workers, average weekly hours, and average hourly earnings are adjusted by aggregating the seasonally-adjusted data from the respective component series. These data are revised annually, usually in conjunction with the annual benchmark adjustments (comprehensive counts of employment).

Sampling variability

Both the household and establishment survey statistics are subject to sampling error, which should be taken into account in evaluating the levels of a series as well as changes over time. Because the household survey is based upon a probability sample, the results may differ from the figures that would be obtained if it were possible to take a complete census using the same questionnaire and procedures. The standard error is the measure of sampling variability, that is, the variations that might occur by chance because only a

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

Although the relatively large size of the monthly establishment survey assures a high degree of accuracy, the estimates derived from it also may differ from the figures obtained if a complete census using the same schedules and procedures were possible. Moreover, since the estimating procedures employ the previous month's level as the base in computing the current month's level of employment (link-relative technique), sampling and response errors may accumulate over several months. To remove this accumulated error, the employment estimates are adjusted to new benchmarks, usually annually. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments. Employment estimates are currently projected from March 1974 benchmark levels. Measures of reliability for employment estimates are provided in the "Explanatory Notes" of *Employment and Earnings*, as are the actual amounts of revisions due to benchmark adjustments (tables G-L).

Unemployment rate by alternative seasonal adjustment methods

Month	Unadjusted rate	Official Adjusted Rate	Alternative age-sex procedures					Other aggregations (all multiplicative)				Direct adjustment	Composite	Range (cols. 2-13)
			All multiplicative	All additive	Year-ahead	Con-current	Stable 1967-73	Duration	Reasons	Total	Residual			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1976														
January	8.8	7.8	7.8	8.0	7.8	7.8	8.1	8.0	7.8	7.8	8.2	7.9	7.9	0.4
February	8.7	7.6	7.6	7.8	7.6	7.6	7.7	7.5	7.5	7.6	7.7	7.6	7.6	.3
March	8.1	7.5	7.5	7.6	7.5	7.5	7.7	7.3	7.4	7.5	7.6	7.5	7.5	.4
April	7.4	7.5	7.5	7.5	7.4	7.4	7.6	7.4	7.5	7.5	7.4	7.5	7.5	.2
May	6.7	7.3	7.4	7.2	7.2	7.2	7.5	7.2	7.4	7.5	7.2	7.5	7.3	.3
June	8.0	7.6	7.5	7.5	7.5	7.6	7.5	7.5	7.5	7.3	7.4	7.3	7.5	.3
July	7.8	7.8	7.8	7.7	7.8	7.8	7.7	7.6	7.8	7.7	7.7	7.7	7.7	.2
August	7.6	7.9	7.9	7.8	7.9	7.9	7.7	8.0	8.0	7.9	7.8	8.0	7.9	.3
September	7.4	7.8	7.8	7.7	7.8	7.8	7.6	8.0	7.9	7.8	7.8	7.8	7.8	.4
October	7.2	7.9	8.0	7.8	7.9	7.9	7.7	8.0	7.9	8.0	7.9	7.9	7.9	.3
November	7.4	8.0	8.0	7.8	8.1	8.0	7.8	8.1	8.0	8.0	7.8	8.0	8.0	.3
December	7.4	7.8	7.9	7.8	7.9	7.8	7.9	7.9	7.8	7.8	7.8	7.9	7.8	.1

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-1. Employment status of the noninstitutional population

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Aug. 1976	July 1977	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
TOTAL									
Total noninstitutional population ¹	156,367	158,682	158,899	156,367	157,986	158,228	158,456	158,682	158,899
Armed Forces ¹	2,147	2,135	2,137	2,147	2,132	2,128	2,129	2,135	2,137
Civilian noninstitutional population ¹	154,220	156,547	156,761	154,220	155,854	156,101	156,327	156,547	156,761
Civilian labor force	96,690	99,314	99,073	95,351	96,760	97,158	97,641	97,305	97,697
Participation rate	62.7	63.4	63.2	61.8	62.1	62.2	62.5	62.2	62.3
Employed	89,369	92,372	92,315	87,834	90,023	90,408	90,679	90,561	90,771
Employment-population ratio ²	57.2	58.2	58.1	56.2	57.0	57.1	57.2	57.1	57.1
Agriculture	3,843	3,790	3,682	3,372	3,260	3,386	3,338	3,213	3,252
Nonagricultural industries	85,525	88,582	88,633	84,462	86,763	87,022	87,341	87,348	87,519
Unemployed	7,322	6,941	6,757	7,517	6,737	6,750	6,962	6,744	6,926
Unemployment rate	7.6	7.0	6.8	7.9	7.0	6.9	7.1	6.9	7.1
Not in labor force	57,530	57,234	57,689	58,869	59,094	58,943	58,686	59,242	59,064
Men, 20 years and over									
Total noninstitutional population ¹	66,384	67,537	67,642	66,384	67,209	67,324	67,431	67,537	67,642
Civilian noninstitutional population ¹	64,688	65,845	65,947	64,688	65,522	65,641	65,743	65,845	65,947
Civilian labor force	52,068	52,902	52,978	51,698	52,089	52,282	52,497	52,494	52,588
Participation rate	80.5	80.3	80.3	79.9	79.5	79.6	79.9	79.7	79.7
Employed	49,307	50,379	50,513	48,638	49,465	49,531	49,859	49,794	49,854
Employment-population ratio ²	74.3	74.6	74.7	73.3	73.6	73.6	73.9	73.7	73.7
Agriculture	2,531	2,464	2,492	2,393	2,280	2,373	2,372	2,305	2,355
Nonagricultural industries	46,776	47,916	48,021	46,245	47,185	47,158	47,487	47,489	47,499
Unemployed	2,761	2,522	2,466	3,060	2,624	2,751	2,638	2,700	2,734
Unemployment rate	5.3	4.8	4.7	5.9	5.0	5.3	5.0	5.1	5.2
Not in labor force	12,619	12,943	12,969	12,990	13,433	13,359	13,246	13,351	13,359
Women, 20 years and over									
Total noninstitutional population ¹	73,168	74,315	74,429	73,168	73,958	74,081	74,198	74,315	74,429
Civilian noninstitutional population ¹	73,078	74,217	74,332	73,078	73,863	73,987	74,101	74,217	74,332
Civilian labor force	34,059	34,918	35,188	34,562	35,455	35,634	35,675	35,667	35,723
Participation rate	46.6	47.0	47.3	47.3	48.0	48.2	48.1	48.1	48.1
Employed	31,289	32,456	32,551	31,883	32,985	33,288	33,116	33,212	33,172
Employment-population ratio ²	42.8	43.7	43.7	43.6	44.6	44.9	44.6	44.7	44.6
Agriculture	633	683	612	532	577	597	564	525	515
Nonagricultural industries	30,656	31,772	31,939	31,351	32,408	32,691	32,552	32,687	32,657
Unemployed	2,770	2,462	2,638	2,679	2,470	2,346	2,559	2,455	2,551
Unemployment rate	8.1	7.1	7.5	7.8	7.0	6.6	7.2	6.9	7.1
Not in labor force	39,020	39,299	39,143	38,516	38,408	38,353	38,426	38,550	38,609
Both sexes, 16-19 years									
Total noninstitutional population ¹	16,815	16,830	16,828	16,815	16,819	16,823	16,827	16,830	16,828
Civilian noninstitutional population ¹	16,454	16,485	16,483	16,454	16,468	16,473	16,483	16,485	16,483
Civilian labor force	10,563	11,494	10,906	9,091	9,216	9,242	9,469	9,144	9,386
Participation rate	64.2	69.7	66.2	55.3	56.0	56.1	57.4	55.5	56.9
Employed	8,772	9,537	9,252	7,313	7,573	7,589	7,704	7,555	7,745
Employment-population ratio ²	52.3	56.7	55.0	43.5	45.0	45.1	45.8	44.9	46.0
Agriculture	679	643	579	447	403	416	402	383	382
Nonagricultural industries	8,093	8,894	8,673	6,866	7,170	7,173	7,302	7,172	7,363
Unemployed	1,791	1,957	1,654	1,778	1,643	1,653	1,765	1,589	1,641
Unemployment rate	17.0	17.0	15.2	19.6	17.8	17.9	18.6	17.4	17.5
Not in labor force	5,891	4,992	5,576	7,363	7,252	7,231	7,014	7,341	7,097
WHITE									
Total noninstitutional population ¹	137,601	139,450	139,620	137,601	138,894	139,089	139,270	139,450	139,620
Civilian noninstitutional population ¹	135,822	137,698	137,865	135,822	137,139	137,337	137,522	137,698	137,865
Civilian labor force	85,453	87,616	87,407	84,403	85,642	85,937	86,268	85,968	86,285
Participation rate	62.9	63.6	63.4	62.1	62.4	62.6	62.7	62.4	62.6
Employed	79,604	82,331	82,278	78,370	80,249	80,603	80,813	80,752	81,010
Employment-population ratio ²	57.9	59.0	58.9	57.0	57.8	58.0	58.0	57.9	58.0
Unemployed	5,849	5,285	5,128	6,033	5,393	5,334	5,455	5,216	5,275
Unemployment rate	6.8	6.0	5.9	7.1	6.3	6.2	6.3	6.1	6.1
Not in labor force	50,369	50,082	50,459	51,419	51,497	51,400	51,254	51,730	51,580
BLACK AND OTHER									
Total noninstitutional population ¹	18,766	19,232	19,279	18,766	19,091	19,140	19,186	19,232	19,279
Civilian noninstitutional population ¹	18,398	18,850	18,896	18,398	18,714	18,763	18,805	18,850	18,896
Civilian labor force	11,237	11,666	11,666	10,979	11,071	11,171	11,325	11,236	11,402
Participation rate	61.1	62.1	61.7	59.7	59.2	59.5	60.2	59.6	60.3
Employed	9,763	10,042	10,037	9,484	9,711	9,730	9,833	9,758	9,744
Employment-population ratio ²	52.0	52.2	52.1	50.5	50.9	50.8	51.3	50.7	50.5
Unemployed	1,474	1,656	1,629	1,495	1,360	1,441	1,492	1,478	1,658
Unemployment rate	13.1	14.2	14.0	13.6	12.3	12.9	13.2	13.2	14.5
Not in labor force	7,161	7,152	7,230	7,419	7,643	7,592	7,480	7,614	7,494

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					
	Aug. 1976	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
CHARACTERISTICS								
Total, 16 years and over	7,517	6,926	7.9	7.0	6.9	7.1	6.9	7.1
Men, 20 years and over	3,060	2,734	5.9	5.0	5.3	5.0	5.1	5.2
Women, 20 years and over	2,679	2,551	7.8	7.0	6.6	7.2	6.9	7.1
Both sexes, 16-19 years	1,778	1,641	19.6	17.8	17.9	18.6	17.4	17.5
White, total	6,033	5,275	7.1	6.3	6.2	6.3	6.1	6.1
Men, 20 years and over	2,524	2,099	5.4	4.6	4.7	4.5	4.6	4.5
Women, 20 years and over	2,116	1,952	7.1	6.1	5.9	6.4	6.2	6.3
Both sexes, 16-19 years	1,393	1,224	17.1	16.1	15.7	16.1	14.3	14.7
Black and other, total	1,495	1,658	13.6	12.3	12.9	13.2	13.2	14.5
Men, 20 years and over	554	647	10.3	8.5	9.9	9.6	10.1	11.7
Women, 20 years and over	553	590	11.9	12.3	11.8	11.9	10.9	12.2
Both sexes, 16-19 years	388	421	40.0	36.2	38.7	39.4	40.7	40.4
Married men, spouse present	1,704	1,405	4.3	3.6	3.6	3.4	3.4	3.5
Married women, spouse present	1,679	1,469	7.6	6.6	6.3	6.8	6.6	6.6
Women who head families	462	465	11.0	9.2	8.4	9.4	9.3	10.5
Full-time workers	6,085	5,633	7.5	6.5	6.5	6.5	6.5	6.8
Part-time workers	1,429	1,293	10.0	9.9	9.9	10.7	9.2	8.9
Unemployed 15 weeks and over ¹	2,341	1,808	2.5	1.9	1.9	1.8	1.9	1.9
Labor force time lost ²	--	--	8.4	7.4	7.5	7.5	7.4	7.7
OCCUPATION³								
White-collar workers	2,269	1,970	4.9	4.4	4.3	4.2	4.0	4.2
Professional and technical	431	419	3.1	3.2	2.9	3.0	2.8	3.0
Managers and administrators, except farm	334	250	3.5	2.9	2.8	2.7	2.6	2.5
Sales workers	340	320	5.8	5.1	5.5	5.2	5.4	5.3
Clerical workers	1,164	981	7.0	6.0	5.7	5.7	5.4	5.8
Blue-collar workers	3,148	2,779	9.8	7.8	7.9	7.7	8.2	8.4
Craft and kindred workers	848	695	7.0	4.9	5.6	5.6	5.6	5.5
Operatives, except transport	1,275	1,137	11.3	9.3	8.9	9.4	10.1	10.0
Transport equipment operatives	286	286	8.1	6.0	6.7	5.7	7.5	7.6
Nonfarm laborers	739	661	14.5	12.6	12.5	10.9	10.7	12.6
Service workers	1,146	1,154	8.5	8.1	9.0	8.2	7.7	8.4
Farm workers	109	106	3.6	4.8	4.4	4.8	3.8	3.7
INDUSTRY³								
Nonagricultural private wage and salary workers ⁴	5,612	4,968	8.2	7.0	7.1	6.9	6.8	7.0
Construction	747	520	16.5	12.0	13.0	12.6	12.1	11.5
Manufacturing	1,723	1,503	8.1	6.7	6.2	6.3	6.7	7.0
Durable goods	969	822	7.7	6.0	5.7	5.6	6.1	6.5
Nondurable goods	754	681	8.7	7.7	7.0	7.3	7.6	7.7
Transportation and public utilities	230	250	4.8	4.4	4.3	4.1	4.7	4.9
Wholesale and retail trade	1,590	1,501	8.9	7.8	8.3	7.9	7.7	8.3
Finance and service industries	1,286	1,156	6.6	6.1	6.6	6.0	5.7	5.6
Government workers	710	701	4.4	4.0	4.1	4.2	3.9	4.4
Agricultural wage and salary workers	155	136	10.4	12.3	11.5	11.0	9.7	9.3
VETERAN STATUS								
Male Vietnam-era veterans: ⁵								
20 to 34 years	482	511	7.6	7.3	7.5	7.6	7.9	7.8
20 to 24 years	146	165	16.1	14.4	13.6	18.1	16.3	17.4
25 to 29 years	217	182	7.1	7.7	7.8	7.1	7.2	6.3
30 to 34 years	119	164	5.1	4.3	5.1	4.5	5.8	6.0
Male nonveterans:								
20 to 34 years	1,316	1,261	8.7	7.3c	7.2	6.9	7.6	7.9
20 to 24 years	753	729	11.2	10.1	10.2	8.9	9.9	10.5
25 to 29 years	383	336	7.9	5.7	5.4	6.3	6.8	6.6
30 to 34 years	180	196	5.0	4.2	4.1	4.0	4.6	4.9

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. c=corrected.

HOUSEHOLD DATA

HOUSEHOLD DATA

Table A-3. Selected employment indicators

[In thousands]

Selected categories	Not seasonally adjusted		Seasonally adjusted					
	Aug. 1976	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
CHARACTERISTICS								
Total employed, 16 years and over	89,367	92,315	87,834	90,023	90,408	90,679	90,561	90,771
Men	54,196	55,565	52,596	53,575	53,722	53,987	53,900	53,958
Women	35,171	36,751	35,238	36,448	36,686	36,692	36,661	36,813
Married men, spouse present	38,466	38,623	38,179	38,536	38,509	38,582	38,434	38,316
Married women, spouse present	19,831	20,231	20,402	21,076	20,962	20,831	20,846	20,814
OCCUPATION								
White-collar workers	43,441	44,828	43,731	44,851	44,766	44,798	45,105	45,114
Professional and technical	12,981	13,226	13,471	13,591	13,483	13,638	13,863	13,720
Managers and administrators, except farm	9,421	9,804	9,309	9,434	9,400	9,570	9,583	9,688
Sales workers	5,593	5,814	5,504	5,765	5,695	5,673	5,716	5,722
Clerical workers	15,446	15,984	15,447	16,061	16,188	15,917	15,943	15,984
Blue-collar workers	30,180	31,566	28,912	30,193	30,423	30,432	30,063	30,231
Craft and kindred workers	11,656	12,325	11,286	11,896	11,894	11,891	11,887	11,931
Operatives, except transport	10,372	10,611	10,015	10,394	10,530	10,378	10,270	10,242
Transport equipment operatives	3,286	3,483	3,266	3,482	3,552	3,551	3,397	3,462
Nonfarm laborers	4,866	5,147	4,345	4,421	4,447	4,612	4,509	4,596
Service workers	12,452	12,779	12,265	12,250	12,372	12,697	12,460	12,591
Farm workers	3,295	3,143	2,913	2,779	2,904	2,838	2,743	2,778
MAJOR INDUSTRY AND CLASS OF WORKER								
Agriculture:								
Wage and salary workers	1,604	1,595	1,339	1,310	1,325	1,381	1,271	1,331
Self-employed workers	1,776	1,675	1,700	1,548	1,655	1,595	1,561	1,604
Unpaid family workers	462	413	352	366	393	378	363	315
Nonagricultural industries:								
Wage and salary workers	79,341	81,929	78,423	80,306	80,429	80,814	80,738	80,951
Government	14,658	14,671	15,262	14,960	15,075	14,961	15,131	15,282
Private industries	64,683	67,258	63,161	65,346	65,354	65,853	65,607	65,669
Private households	1,409	1,426	1,384	1,320	1,305	1,388	1,445	1,401
Other industries	63,274	65,832	61,777	64,026	64,049	64,465	64,162	64,268
Self-employed workers	5,719	6,213	5,661	5,954	6,050	5,997	5,896	6,151
Unpaid family workers	464	490	444	499	550	518	523	469
PERSONS AT WORK ¹								
Nonagricultural industries	74,350	77,770	78,991	81,005	81,771	81,618	82,572	82,613
Full-time schedules	62,683	65,655	64,687	66,436	67,219	67,126	67,867	67,755
Part time for economic reasons	3,682	3,744	3,178	3,174	3,290	3,368	3,371	3,199
Usually work full time	1,384	1,226	1,350	1,167	1,314	1,341	1,440	1,196
Usually work part time	2,298	2,518	1,828	2,007	1,976	2,027	1,931	2,003
Part time for noneconomic reasons	7,985	8,371	11,126	11,395	11,262	11,124	11,334	11,659

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. 1976	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
DURATION								
Less than 5 weeks	2,738	2,741	2,867	3,100	2,782	3,058	2,830	2,870
5 to 14 weeks	2,526	2,427	2,433	1,857	2,093	2,023	1,969	2,338
15 weeks and over	2,058	1,589	2,341	1,816	1,836	1,737	1,834	1,808
15 to 26 weeks	785	706	1,127	715	800	798	917	966
27 weeks and over	1,274	883	1,214	1,101	1,036	939	917	842
Average (mean) duration, in weeks	15.2	13.4	15.4	14.3	14.9	14.4	14.1	13.5
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	37.4	40.6	37.5	45.8	41.5	44.9	42.7	40.9
5 to 14 weeks	34.5	35.9	31.8	27.4	31.2	29.7	29.7	33.3
15 weeks and over	28.1	23.5	30.6	26.8	27.4	25.5	27.6	25.8
15 to 26 weeks	10.7	10.4	14.7	10.6	11.9	11.7	13.8	13.8
27 weeks and over	17.4	13.1	15.9	16.3	15.4	13.8	13.8	12.0

Table A-5. Reasons for unemployment

[Numbers in thousands]

Reasons	Not seasonally adjusted		Seasonally adjusted					
	Aug. 1976	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
NUMBER OF UNEMPLOYED								
Lost last job	3,308	2,871	3,790	2,953	3,038	2,927	3,075	3,289
On layoff	937	801	1,191	754	749	827	919	1,018
Other job losers	2,371	2,070	2,599	2,199	2,289	2,100	2,156	2,271
Left last job	1,080	989	994	846	944	954	841	910
Reentered labor force	1,939	1,855	1,941	2,001	1,993	1,889	1,822	1,857
Seeking first job	997	1,042	955	972	893	1,077	974	1,000
PERCENT DISTRIBUTION								
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	45.2	42.5	49.3	43.6	44.2	42.7	45.8	46.6
On layoff	12.8	11.9	15.5	11.1	10.9	12.1	13.7	14.4
Other job losers	32.4	30.6	33.8	32.5	33.3	30.7	32.1	32.2
Job leavers	14.7	14.6	12.9	12.5	13.7	13.9	12.5	12.9
Reentrants	26.5	27.5	25.3	29.5	29.0	27.6	27.1	26.3
New entrants	13.6	15.4	12.4	14.4	13.0	15.7	14.5	14.2
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE								
Job losers	3.4	2.9	4.0	3.1	3.1	3.0	3.2	3.4
Job leavers	1.1	1.0	1.0	.9	1.0	1.0	.9	.9
Reentrants	2.0	1.9	2.0	2.1	2.1	1.9	1.9	1.9
New entrants	1.0	1.1	1.0	1.0	.9	1.1	1.0	1.0

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

Sex and age	Number of unemployed persons (In thousands)		Unemployment rates					
	Aug. 1976	Aug. 1977	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977	Aug. 1977
Total, 16 years and over	7,517	6,926	7.9	7.0	6.9	7.1	6.9	7.1
16 to 19 years	1,778	1,641	19.6	17.8	17.9	18.6	17.4	17.5
16 to 17 years	843	811	22.1	19.2	20.4	21.3	19.9	20.7
18 to 19 years	956	851	18.0	16.8	16.3	16.5	15.3	15.6
20 to 24 years	1,657	1,609	11.9	10.8	10.7	10.5	10.6	11.1
25 years and over	4,075	3,662	5.6	4.9	4.8	5.0	5.0	5.0
25 to 54 years	3,438	3,147	5.9	5.1	5.1	5.3	5.2	5.3
55 years and over	688	550	4.8	4.1	4.0	3.8	3.9	3.9
Men, 16 years and over	3,968	3,609	7.0	6.1	6.3	6.2	6.2	6.3
16 to 19 years	908	875	18.7	17.0	17.0	18.6	16.9	17.6
16 to 17 years	452	472	21.5	17.9	18.7	22.7	20.2	21.7
18 to 19 years	467	414	16.8	16.0	16.0	15.5	14.7	14.8
20 to 24 years	903	899	11.8	10.5	10.6	9.9	10.6	11.3
25 years and over	2,189	1,856	5.0	4.1	4.2	4.1	4.2	4.2
25 to 54 years	1,813	1,566	5.1	4.3	4.4	4.3	4.3	4.4
55 years and over	408	307	4.6	3.7	3.9	3.3	3.6	3.5
Women, 16 years and over	3,549	3,317	9.1	8.2	7.9	8.4	8.0	8.3
16 to 19 years	870	766	20.6	18.8	19.0	18.7	17.9	17.4
16 to 17 years	391	339	22.9	20.8	22.5	19.7	19.5	19.4
18 to 19 years	489	437	19.4	17.7	16.6	17.5	16.0	16.4
20 to 24 years	754	710	11.9	11.2	10.9	11.0	10.5	10.8
25 years and over	1,886	1,806	6.7	6.0	5.7	6.3	6.2	6.2
25 to 54 years	1,625	1,581	7.1	6.5	6.1	6.7	6.4	6.6
55 years and over	280	243	5.2	4.6	4.3	4.6	4.4	4.6

HOUSEHOLD DATA

HOUSEHOLD DATA

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

[Percent]

Measures	Quarterly averages					Monthly data		
	1976			1977		1977		
	II	III	IV	I	II	June	July	Aug.
U-1—Persons unemployed 15 weeks or longer as a percent of the civilian labor force	2.2	2.4	2.6	2.2	1.8	1.8	1.9	1.9
U-2—Job losers as a percent of the civilian labor force	3.7	3.9	3.9	3.4	3.1	3.0	3.2	3.4
U-3—Unemployed household heads as a percent of the household head labor force	4.9	5.3	5.3	4.8	4.4	4.3	4.3	4.6
U-4—Unemployed full-time jobseekers as a percent of the full-time labor force	7.0	7.4	7.5	6.8	6.5	6.5	6.5	6.8
U-5—Total unemployed as a percent of the civilian labor force (official measure)	7.4	7.8	7.9	7.4	7.0	7.1	6.9	7.1
U-6—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons as a percent of the civilian labor force less ¼ of the part-time labor force	9.1	9.5	9.7	9.0	8.6	8.7	8.6	8.7
U-7—Total full-time jobseekers plus ½ part-time jobseekers plus ¼ total on part time for economic reasons plus discouraged workers as a percent of the civilian labor force plus discouraged workers less ¼ of the part-time labor force	10.0	10.3	10.7	9.9	9.7	N.A.	N.A.	N.A.

N.A.= not available.

ESTABLISHMENT DATA

ESTABLISHMENT DATA

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

[In thousands]

Industry	Not seasonally adjusted				Seasonally adjusted					
	Aug. 1976	June 1977	July 1977 ^P	Aug. 1977 ^P	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977 ^P	Aug. 1977 ^P
TOTAL	79,555	82,930	82,152	82,349	79,618	81,686	81,921	82,121	82,356	82,448
GOODS-PRODUCING	23,806	24,679	24,557	24,778	23,310	24,217	24,306	24,353	24,409	24,307
MINING	766	870	841	834	752	847	845	855	827	819
CONTRACT CONSTRUCTION	3,869	4,047	4,147	4,201	3,579	3,842	3,861	3,876	3,916	3,886
MANUFACTURING	19,171	19,762	19,569	19,743	18,979	19,528	19,600	19,622	19,666	19,602
<i>Production workers</i>	13,797	14,258	14,042	14,175	13,627	14,066	14,145	14,144	14,161	14,058
DURABLE GOODS	11,108	11,598	11,478	11,483	11,083	11,423	11,469	11,491	11,526	11,509
<i>Production workers</i>	7,922	8,334	8,199	8,181	7,911	8,177	8,233	8,240	8,262	8,221
Ordnance and accessories	157.1	156.5	156.4	156.1	157	157	157	157	156	156
Lumber and wood products	629.0	659.9	660.4	665.3	605	639	638	637	641	640
Furniture and fixtures	491.8	511.1	501.6	509.2	486	507	509	510	514	503
Stone, clay, and glass products	644.6	672.2	673.3	675.2	628	651	654	659	661	657
Primary metal industries	1,214.8	1,233.9	1,211.9	1,205.5	1,215	1,208	1,217	1,218	1,209	1,206
Fabricated metal products	1,396.7	1,463.6	1,443.7	1,460.3	1,394	1,433	1,447	1,452	1,457	1,457
Machinery, except electrical	2,069.2	2,180.8	2,171.0	2,174.6	2,090	2,150	2,165	2,168	2,191	2,197
Electrical equipment	1,837.6	1,938.8	1,935.4	1,946.5	1,843	1,919	1,931	1,933	1,945	1,952
Transportation equipment	1,724.2	1,827.5	1,790.4	1,738.4	1,737	1,808	1,802	1,809	1,810	1,804
Instruments and related products	512.3	530.4	526.3	526.5	510	526	526	528	528	524
Miscellaneous manufacturing	430.4	423.4	407.4	425.1	418	425	423	420	414	413
NONDURABLE GOODS	8,063	8,164	8,091	8,260	7,896	8,105	8,131	8,131	8,140	8,093
<i>Production workers</i>	5,875	5,924	5,843	5,994	5,716	5,889	5,912	5,904	5,899	5,837
Food and kindred products	1,835.2	1,727.0	1,761.3	1,840.0	1,715	1,743	1,735	1,737	1,730	1,720
Tobacco manufactures	85.0	64.8	65.8	77.7	78	73	71	72	72	72
Textile mill products	974.9	995.6	972.7	984.5	969	981	988	987	992	979
Apparel and other textile products	1,299.7	1,316.3	1,256.9	1,293.5	1,292	1,291	1,298	1,306	1,301	1,286
Paper and allied products	684.7	709.6	705.4	711.0	679	697	703	703	707	705
Printing and publishing	1,079.1	1,112.6	1,109.2	1,111.9	1,082	1,102	1,109	1,111	1,115	1,115
Chemicals and allied products	1,048.5	1,067.5	1,069.4	1,075.6	1,040	1,060	1,063	1,060	1,064	1,067
Petroleum and coal products	207.1	213.7	215.8	215.5	202	211	210	210	210	210
Rubber and plastics products, nec.	576.5	684.3	674.7	680.5	572	680	685	680	684	675
Leather and leather products	272.7	272.1	259.6	269.6	267	267	269	265	265	264
SERVICE-PRODUCING	55,749	58,251	57,595	57,571	56,308	57,469	57,615	57,768	57,947	58,141
TRANSPORTATION AND PUBLIC UTILITIES	4,528	4,629	4,601	4,594	4,501	4,575	4,586	4,579	4,569	4,567
WHOLESALE AND RETAIL TRADE	17,754	18,342	18,307	18,348	17,764	18,203	18,235	18,247	18,295	18,359
WHOLESALE TRADE	4,302	4,409	4,422	4,433	4,272	4,371	4,384	4,383	4,396	4,402
RETAIL TRADE	13,452	13,933	13,885	13,915	13,492	13,832	13,851	13,864	13,899	13,957
FINANCE, INSURANCE, AND REAL ESTATE	4,368	4,534	4,564	4,584	4,312	4,463	4,480	4,489	4,505	4,525
SERVICES	14,869	15,458	15,511	15,541	14,751	15,182	15,197	15,245	15,342	15,418
GOVERNMENT	14,230	15,288	14,612	14,504	14,980	15,046	15,117	15,208	15,236	15,272
FEDERAL	2,754	2,765	2,773	2,755	2,732	2,719	2,723	2,735	2,721	2,733
STATE AND LOCAL	11,476	12,523	11,839	11,749	12,248	12,327	12,394	12,473	12,515	12,539

p=preliminary.

Table B-2. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry

Industry	Not seasonally adjusted				Seasonally adjusted					
	Aug. 1976	June 1977	July 1977 ^p	Aug. 1977 ^p	Aug. 1976	Apr. 1977	May 1977	June 1977	July 1977 ^p	Aug. 1977 ^p
TOTAL PRIVATE	36.6	36.4	36.5	36.4	36.1	36.2	36.3	36.2	36.1	36.0
MINING	41.2	44.6	43.7	42.0	41.2	44.4	44.0	44.0	43.6	42.0
CONTRACT CONSTRUCTION	37.9	37.4	37.8	37.2	36.8	37.3	37.4	36.8	36.8	36.2
MANUFACTURING	40.0	40.8	40.1	40.1	40.0	40.3	40.4	40.5	40.3	40.1
<i>Overtime hours</i>	3.1	3.5	3.3	3.5	3.0	3.4	3.4	3.4	3.4	3.4
DURABLE GOODS	40.5	41.5	40.6	40.7	40.8	40.8	41.1	41.2	41.0	41.0
<i>Overtime hours</i>	3.2	3.7	3.5	3.7	3.1	3.6	3.6	3.7	3.6	3.6
Ordnance and accessories	40.3	41.0	40.1	39.7	40.7	41.2	41.1	40.9	40.5	40.1
Lumber and wood products	40.6	40.7	40.3	40.1	40.2	40.0	40.0	39.9	40.5	39.7
Furniture and fixtures	39.0	39.2	38.5	39.3	38.5	38.4	38.7	38.8	38.9	38.8
Stone, clay, and glass products	41.5	42.0	41.5	41.8	41.1	41.7	41.7	41.7	41.3	41.4
Primary metal industries	40.6	41.7	41.0	41.0	40.9	41.5	41.6	41.6	41.2	41.3
Fabricated metal products	41.0	41.6	40.6	41.0	41.0	40.7	41.0	41.3	41.0	41.0
Machinery, except electrical	41.0	41.9	41.1	41.1	41.4	41.3	41.6	41.9	41.9	41.5
Electrical equipment	40.0	40.6	39.7	40.6	40.1	40.0	40.1	40.4	40.3	40.7
Transportation equipment	40.9	43.2	42.1	41.1	41.9	41.9	42.7	42.9	42.1	42.2
Instruments and related products	40.2	40.7	39.9	39.9	40.4	40.1	40.4	40.7	40.4	40.1
Miscellaneous manufacturing	38.5	39.4	38.3	38.7	38.5	38.9	39.0	39.2	38.7	38.7
NONDURABLE GOODS	39.2	39.8	39.3	39.2	38.9	39.5	39.5	39.6	39.3	39.0
<i>Overtime hours</i>	3.0	3.2	3.1	3.2	2.8	3.2	3.1	3.1	3.0	3.0
Food and kindred products	40.7	40.1	40.1	39.6	40.1	40.3	39.9	40.0	39.7	39.1
Tobacco manufactures	37.3	38.9	36.1	37.0	36.8	38.3	38.6	39.0	37.3	36.5
Textile mill products	39.6	40.9	40.1	40.3	39.3	40.5	40.7	40.5	40.4	40.0
Apparel and other textile products	35.6	36.0	35.5	35.5	35.2	35.1	35.7	35.9	35.4	35.1
Paper and allied products	42.4	43.3	42.7	42.7	42.1	43.3	43.0	43.1	42.7	42.4
Printing and publishing	37.7	37.7	37.7	37.9	37.5	37.7	37.6	37.7	37.8	37.7
Chemicals and allied products	41.1	42.0	41.6	41.4	41.3	41.9	41.7	41.9	41.7	41.6
Petroleum and coal products	42.0	43.2	43.4	42.3	42.3	42.7	42.6	43.0	43.0	42.6
Rubber and plastics products, nec	40.1	41.3	40.2	40.5	40.0	41.2	41.3	41.1	40.6	40.4
Leather and leather products	36.9	38.0	37.0	37.1	36.7	37.4	37.1	37.2	36.6	36.9
TRANSPORTATION AND PUBLIC UTILITIES	40.4	40.3	40.5	40.2	40.0	40.1	40.2	40.1	40.1	39.8
WHOLESALE AND RETAIL TRADE	34.3	33.6	34.1	34.1	33.6	33.5	33.4	33.3	33.3	33.3
WHOLESALE TRADE	39.0	38.9	39.0	39.0	38.9	39.0	38.7	38.8	38.8	38.9
RETAIL TRADE	33.0	32.1	32.7	32.7	32.0	31.9	31.9	31.7	31.7	31.7
FINANCE, INSURANCE, AND REAL ESTATE	36.9	36.6	36.7	36.6	36.8	36.6	36.7	36.6	36.6	36.5
SERVICES	34.0	33.5	33.8	33.8	33.5	33.5	33.5	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. 1976	June 1977	July 1977 ^P	Aug. 1977 ^P	Aug. 1976	June 1977	July 1977 ^P	Aug. 1977 ^P
TOTAL PRIVATE	\$4.89	\$5.22	\$5.24	\$5.23	\$178.97	\$190.01	\$191.26	\$190.37
<i>Seasonally adjusted</i>	4.91	5.22	5.26	5.26	177.25	188.96	189.89	189.36
MINING	6.29	6.88	6.85	6.85	259.15	306.85	299.35	287.70
CONTRACT CONSTRUCTION	7.71	7.97	8.00	8.02	292.21	298.08	302.40	298.34
MANUFACTURING	5.21	5.60	5.64	5.64	208.40	228.48	226.16	226.16
DURABLE GOODS	5.58	6.00	6.01	6.01	225.99	249.00	244.01	244.61
Ordnance and accessories	5.77	6.15	6.25	6.33	232.53	252.15	250.63	251.30
Lumber and wood products	4.83	5.01	5.08	5.12	196.10	203.91	204.72	205.31
Furniture and fixtures	4.01	4.28	4.29	4.39	156.39	167.78	165.17	172.53
Stone, clay, and glass products	5.36	5.79	5.82	5.83	222.44	243.18	241.53	243.69
Primary metal industries	6.92	7.45	7.51	7.58	280.95	310.67	307.91	310.78
Fabricated metal products	5.46	5.82	5.81	5.82	223.86	242.11	235.89	238.62
Machinery, except electrical	5.79	6.15	6.16	6.15	237.39	257.69	253.18	252.77
Electrical equipment	4.95	5.29	5.33	5.38	198.00	214.77	211.60	218.43
Transportation equipment	6.52	7.18	7.14	7.12	266.67	310.18	300.59	292.63
Instruments and related products	4.90	5.15	5.20	5.16	196.98	209.61	207.48	205.88
Miscellaneous manufacturing	4.00	4.31	4.34	4.32	154.00	169.81	166.22	167.18
NONDURABLE GOODS	4.70	5.03	5.10	5.12	184.24	200.19	200.43	200.70
Food and kindred products	4.98	5.28	5.34	5.40	202.69	211.73	214.13	213.84
Tobacco manufactures	4.62	5.77	5.68	5.56	172.33	224.45	205.05	205.72
Textile mill products	3.75	3.90	4.02	4.06	148.50	159.51	161.20	163.62
Apparel and other textile products	3.42	3.62	3.58	3.60	121.75	130.32	127.09	127.80
Paper and allied products	5.50	5.86	5.97	6.02	233.20	253.74	254.92	257.05
Printing and publishing	5.71	6.06	6.09	6.15	215.27	228.46	229.59	233.09
Chemicals and allied products	5.93	6.35	6.42	6.43	243.72	266.70	267.07	266.20
Petroleum and coal products	7.13	7.73	7.79	7.77	299.46	333.94	338.09	328.67
Rubber and plastics products, nec	4.40	5.12	5.13	5.13	176.44	211.46	206.23	207.77
Leather and leather products	3.45	3.63	3.60	3.62	127.31	137.94	133.20	134.30
TRANSPORTATION AND PUBLIC UTILITIES	6.56	6.83	6.91	6.93	265.02	275.25	279.86	278.59
WHOLESALE AND RETAIL TRADE	3.98	4.26	4.28	4.26	136.51	143.14	145.95	145.27
WHOLESALE TRADE	5.21	5.51	5.56	5.54	203.19	214.34	216.84	216.06
RETAIL TRADE	3.55	3.82	3.83	3.81	117.15	122.62	125.24	124.59
FINANCE, INSURANCE, AND REAL ESTATE	4.40	4.54	4.58	4.60	162.36	166.16	168.09	168.36
SERVICES	4.32	4.66	4.66	4.65	146.88	156.11	157.51	157.17

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. 1976	Mar. 1977	Apr. 1977	May 1977	June 1977	July P 1977	Aug. P 1977	Percent change from	
								Aug. 1976-Aug. 1977	July 1977-Aug. 1977
TOTAL PRIVATE NONFARM:									
Current dollars	186.8	194.1	195.3	196.5	197.5	198.9	199.1	6.6	0.1
Constant (1967) dollars	108.7	108.8	108.6	108.6	108.6	108.9	N.A.	(2)	(3)
MINING	202.3	210.4	212.1	213.1	215.4	216.5	219.4	8.5	1.3
CONTRACT CONSTRUCTION	187.1	191.6	192.6	193.1	195.1	196.2	194.9	4.2	-.7
MANUFACTURING	186.7	194.3	195.4	196.8	198.5	200.0	201.0	7.6	.5
TRANSPORTATION AND PUBLIC UTILITIES	200.9	206.7	208.6	210.1	210.5	211.8	210.4	4.7	-.7
WHOLESALE AND RETAIL TRADE	179.8	188.5	189.8	190.7	191.1	192.8	192.4	7.0	-.2
FINANCE, INSURANCE, AND REAL ESTATE	173.1	175.9	177.4	179.0	177.2	179.7	181.1	4.6	.7
SERVICES	189.8	198.7	199.7	200.7	201.8	202.5	203.5	7.2	.5

¹ See footnote 1, table B-2.

² Percent change was 0.3 from July 1976 to July 1977, the latest month available.

³ Percent change was 0.3 from June 1977 to July 1977, the latest month available.

N.A. = not available.

P=preliminary.

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

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

[1967 = 100]

Industry division and group	1976					1977							
	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July ^P	Aug. ^P
TOTAL	111.8	112.2	112.2	112.8	113.3	112.3	114.2	115.2	115.6	116.1	115.8	115.7	115.3
GOODS-PRODUCING	95.7	95.9	96.0	97.2	96.9	95.2	98.3	100.0	100.9	101.7	101.8	101.5	99.9
MINING	115.6	131.7	131.1	132.6	134.0	130.7	134.6	141.5	142.2	140.2	141.8	136.6	127.8
CONTRACT CONSTRUCTION	102.5	99.4	104.2	105.7	104.3	96.4	105.9	108.1	112.0	112.7	111.3	112.8	109.6
MANUFACTURING	93.9	94.0	93.2	94.5	94.4	93.8	95.7	97.1	97.5	98.5	98.8	98.3	97.2
DURABLE GOODS	93.6	93.2	92.0	93.8	93.6	93.2	94.8	96.8	96.8	98.1	98.7	98.4	97.8
Ordnance and accessories	39.8	38.6	38.5	38.5	39.5	39.0	39.1	38.5	40.8	41.3	41.1	40.1	39.7
Lumber and wood products	97.6	98.2	99.4	100.8	101.9	101.1	103.0	103.4	104.1	104.1	103.8	105.8	103.7
Furniture and fixtures	101.2	102.4	102.2	102.8	103.5	98.5	102.7	105.3	106.0	107.4	107.7	108.2	105.9
Stone, clay, and glass products	98.6	98.9	99.7	100.2	99.1	96.1	97.1	101.5	104.1	104.7	105.7	105.1	104.7
Primary metal industries	89.8	88.8	86.2	85.7	85.0	84.8	85.5	88.5	90.0	91.1	91.1	89.8	89.3
Fabricated metal products	98.6	98.6	96.5	98.1	98.1	97.6	100.0	101.6	101.0	103.1	104.2	103.6	103.3
Machinery, except electrical	95.9	95.9	94.0	96.7	96.0	95.7	97.7	98.6	98.3	100.5	101.2	102.9	100.5
Electrical equipment and supplies	92.2	91.5	92.1	93.4	93.1	91.7	95.5	95.9	96.1	97.3	97.9	98.0	99.5
Transportation equipment	90.7	89.1	86.1	91.5	90.6	93.3	91.3	96.7	94.8	96.2	96.9	95.1	95.3
Instruments and related products	108.1	107.2	107.9	108.5	110.4	108.9	112.4	111.6	111.1	112.3	113.2	112.3	109.8
Miscellaneous manufacturing, Ind.	91.8	92.2	92.0	92.1	91.6	93.1	96.8	96.0	95.1	95.0	94.3	91.4	90.8
NONDURABLE GOODS	94.2	95.2	95.0	95.4	95.5	94.7	97.1	97.6	98.5	98.9	98.9	98.1	96.3
Food and kindred products	96.5	96.4	96.2	96.6	95.5	95.1	97.5	97.9	98.8	97.2	97.5	96.1	93.1
Tobacco manufactures	84.0	82.1	83.0	81.6	81.6	76.1	83.0	75.5	80.7	77.2	79.4	74.6	73.1
Textile mill products	95.5	95.2	95.0	95.6	96.1	95.4	97.9	99.5	99.7	101.1	100.2	100.5	98.1
Apparel and other textile products	87.6	86.2	85.7	86.1	86.3	84.1	88.0	87.9	87.3	89.4	90.4	88.5	86.7
Paper and allied products	96.1	96.5	95.7	97.0	97.2	96.2	98.0	98.3	100.8	101.0	101.3	100.9	99.6
Printing and publishing	92.9	93.1	93.4	93.6	93.7	93.0	94.8	94.3	94.9	95.4	95.3	95.6	95.2
Chemicals and allied products	99.8	100.3	99.4	100.0	100.0	100.4	101.8	102.2	103.5	103.7	103.7	103.5	103.4
Petroleum and coal products	112.4	112.2	112.5	113.1	114.7	115.0	114.7	118.7	120.5	120.2	121.3	121.3	120.2
Rubber and plastics products, nec	105.2	124.3	125.6	125.7	127.6	127.7	129.6	131.7	134.7	135.8	133.9	132.7	129.4
Leather and leather products	72.5	72.1	71.0	70.4	70.5	69.1	71.9	71.9	73.9	73.9	72.9	71.7	71.9
SERVICE-PRODUCING	123.0	123.6	123.5	123.5	124.6	124.1	125.3	125.8	125.8	126.6	125.4	125.7	126.0
TRANSPORTATION AND PUBLIC UTILITIES	102.5	102.9	102.0	103.2	105.0	102.7	104.4	104.2	103.9	104.4	104.0	103.5	102.6
WHOLESALE AND RETAIL TRADE	119.0	119.7	119.3	118.9	120.0	119.1	120.7	121.5	121.7	121.7	121.1	121.4	121.8
WHOLESALE TRADE	114.7	114.9	114.8	114.8	114.8	115.4	117.0	116.9	117.8	117.3	117.3	117.4	117.8
RETAIL TRADE	120.6	121.6	121.0	120.4	122.0	120.4	122.1	123.2	123.1	123.3	122.5	122.9	123.3
FINANCE, INSURANCE, AND REAL ESTATE	127.3	127.7	128.3	129.1	129.8	130.6	130.2	131.1	131.0	131.6	131.5	131.9	131.8
SERVICES	136.6	137.2	137.6	137.7	138.4	138.8	139.7	140.0	140.1	140.2	139.5	139.7	140.8

¹ See footnote 1, table B-2.

P=preliminary.

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
1974				
January	58.7	61.6	64.8	63.1
February	55.8	55.2	56.4	59.6
March	48.0	54.7	54.7	54.9
April	54.7	52.3	51.5	50.0
May	54.7	57.0	50.3	40.1
June	54.4	50.9	44.5	28.2
July	49.1	44.2	35.8	26.7
August	42.2	36.0	32.0	22.1
September	32.6	35.5	21.8	20.6
October	35.5	26.2	15.7	18.6
November	19.8	21.8	16.0	16.6
December	19.8	12.8	13.7	14.0
1975				
January	16.9	12.5	13.7	16.3
February	16.9	14.0	12.8	17.4
March	27.3	22.7	18.9	17.2
April	44.2	34.6	29.1	20.3
May	51.2	43.6	40.7	25.6
June	39.8	47.7	59.0	40.1
July	57.3	55.5	63.4	50.3
August	72.4	75.0	66.6	61.9
September	81.4	78.8	72.4	71.5
October	64.0	70.6	78.8	75.9
November	59.6	69.2	79.4	79.1
December	69.2	75.0	77.6	81.4
1976				
January	76.7	82.0	82.8	84.6
February	74.4	84.3	83.1	82.8
March	77.9	84.9	77.0	79.4
April	77.9	81.1	77.0	73.5
May	63.4	70.6	71.5	79.7
June	47.1	57.0	70.9	79.4
July	52.9	47.4	55.2	75.3
August	49.1	65.1	55.2	74.1
September	68.9	54.9	61.9	78.2
October	39.0	59.9	70.1	76.5
November	64.2	53.8	69.8	75.0
December	68.3	75.9	76.7	74.7
1977				
January	71.5	76.7	88.4	77.6p
February	61.6	84.6	86.6	73.3p
March	79.7	86.0	83.7	
April	79.1	83.7	82.3p	
May	68.9	71.5	73.5p	
June	57.8	64.0p		
July	67.7p	49.4p		
August	40.7p			
September				
October				
November				
December				

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