

Employment and Earnings

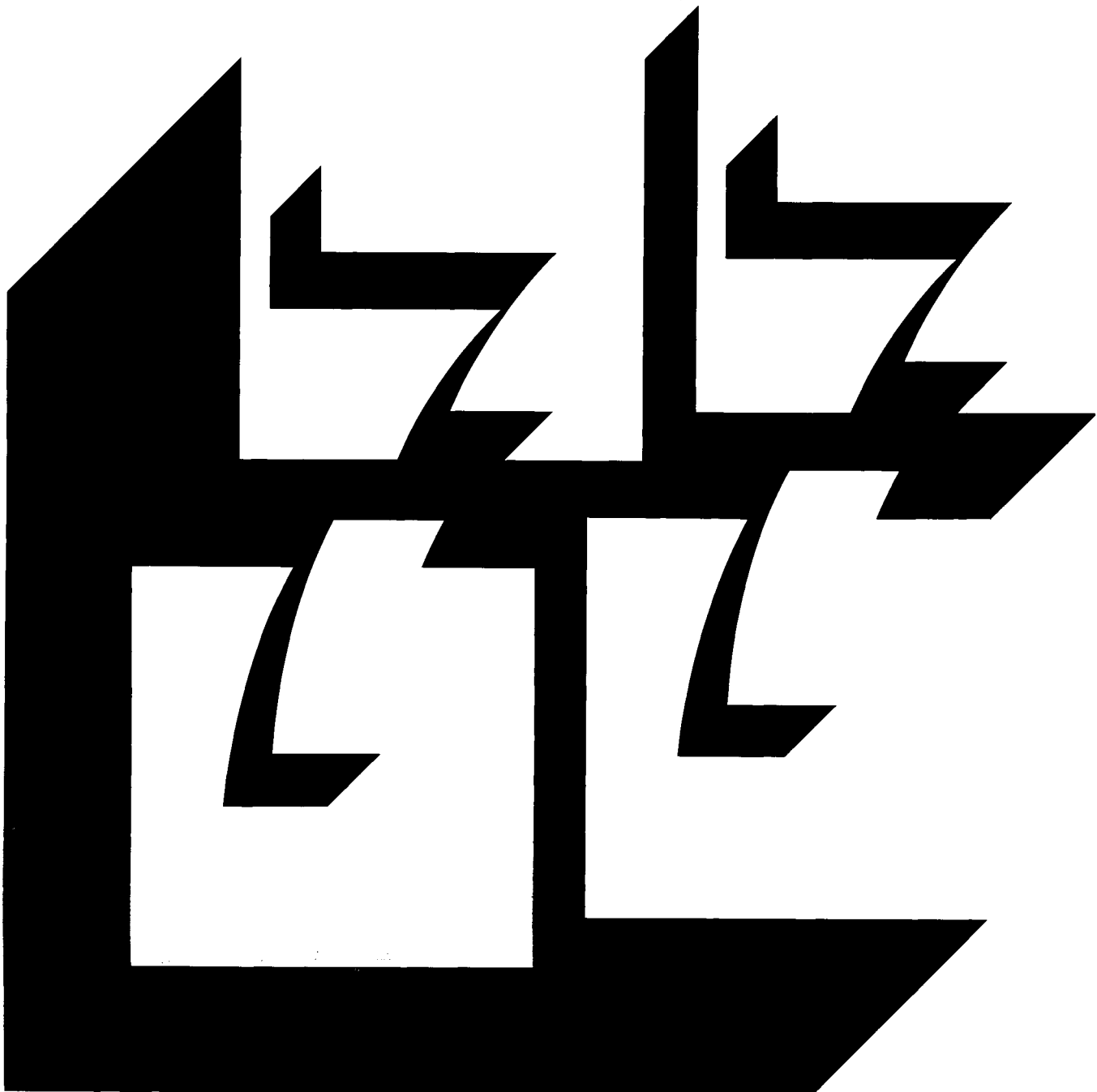
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In this issue:
Introduction of labor force data
by person-family relationship





U.S. DEPARTMENT OF LABOR

Ray Marshall, Secretary

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Employment and Earnings

Vol. 24 No. 7 July 1977

Editors: Chester L. Green, Gloria P. Green, Marcy Freedman

Editors' Note

Publication of State and area annual averages (usually published in the May issue) has been delayed due to processing problems.

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CALENDAR OF FEATURES										
In addition to the monthly data appearing regularly in Employment and Earnings, special features appear in most of the issues, as shown below:										
	Jan.	Feb.	Mar.	Apr.	May	July	Aug.	Oct.	Nov.	Dec.
Household data										
Annual averages	x									
Revised seasonally adjusted series		x								
Quarterly averages:										
Seasonally adjusted data										
Persons not in labor force										
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Vietnam-Era veterans and nonveterans										
Poverty-nonpoverty area data	x			x		x		x		
Establishment data										
National annual averages:										
Industry divisions (preliminary)	x									
Industry detail (final)			x							
Women employment (National)		x			x		x		x	
National data adjusted to new benchmarks		(1)						(1)		
Revised seasonally adjusted series		(2)								(2)
State and area annual averages					x					
Area definitions					x					

¹ The issue that introduces new benchmarks varies. The October 1975 issue marks the introduction of March 1974 benchmarks. Interim revisions of selected series appear in the February 1977 issue.

² Revised data introduced December 1976 and February 1977.

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Employment and Unemployment Developments, June 1977

Both employment and unemployment increased in June. The overall rate of unemployment was 7.1 percent, up slightly from the 6.9-percent rate in May but still below the levels prevailing early in the year.

Total employment—as measured by the monthly survey of households—continued to expand markedly, with an increase of 270,000 in June to 90.7 million. Employment has advanced by 2.9 million over the past 8 months; this strong growth brought the employment-population ratio close to the record highs of early 1974.

Nonagricultural payroll employment—as measured by the monthly survey of establishments—increased by 135,000 in June to 82.1 million. Although not as large as household survey employment gains, establishment survey job growth has also been substantial since October—2.2 million.

Unemployment

After adjustment for seasonality, unemployment rose by 210,000 in June to 7.0 million. The overall unemployment rate edged up from 6.9 percent in May to 7.1 percent in June, after declining almost continuously from the 1976 high of 8.0 percent recorded in November. Most of the June increase took place among adult women, whose jobless rate rose from 6.6 to 7.2 percent; this returned their rate to the February-March levels. There was also a small increase in joblessness among teenagers, likewise a return to levels prevailing earlier this year. The unemployment rate for adult men, on the other hand, declined from 5.3 percent in May to 5.0 percent, the same as the April rate. Whereas unemployment rates for the three major age-sex groups posted over-the-month movements, the rates for full-time workers and job losers held about steady at levels that were a full percentage point below those at the end of 1976.

The number of persons looking for work for 15 or more weeks—the long-term unemployed—dropped by 100,000 to 1.7 million in June. Their number has been reduced by 775,000 since the end of last year. In contrast, there was a sizeable May-June increase in the number of those unemployed for less than 5 weeks (275,000). The average (mean) duration of unemployment moved down from 14.9 to 14.4 weeks over the month, about the same as the April level and 2½ weeks lower than a year ago.

Total employment and the labor force

Total employment rose for the eighth consecutive month, increasing by 270,000 in June to 90.7 million, seasonally adjusted. Adult men and teenagers accounted for the over-the-month gain, which took place entirely among workers in nonagricultural industries. Employment has advanced by 3.2 million over the past 12 months, more than 70 percent of which has occurred in 1977.

The employment-population ratio—the proportion of the total noninstitutional population that is employed—sustained its recent steady rise and, at 57.2 percent, was just 0.2 percentage point below the alltime high last reached in March 1974.

As usually occurs at this time of year, the civilian labor force rose markedly from May to June. The increase this June was greater than normal, and, after adjustment for seasonality, there was a gain of 480,000 in the labor force to 97.6 million. Since last June, the labor force has grown by 2.9 million, a particularly large over-the-year gain; adult women accounted for 1.4 million of the increase, while the adult male labor force rose by 1.0 million.

The civilian labor force participation rate—the proportion of the civilian noninstitutional population either working or seeking work—rose to a new high of 62.5 percent in June, nearly a full percentage point above the year-earlier level.

Discouraged workers

Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test—that is, they are not engaged in active job search—they are classified as not in the labor force rather than as unemployed. These data are published on a quarterly basis.

While movements in discouraged workers generally parallel those in unemployment, there was a rise of 130,000 in their number in the second quarter at the same time that unemployment declined by 250,000. At nearly 1.1 million, the discouraged total was the highest since the third quarter of 1975. About 730,000 (or nearly 70 percent) of them indicated job-market factors as their

reason for not seeking work, an increase of 80,000 over the quarter. (See table A-53.)

Industry payroll employment

Total nonagricultural payroll employment increased by 135,000 in June to 82.1 million, seasonally adjusted. Over-the-month employment gains took place in 52 percent of the industries that comprise the BLS diffusion index of nonagricultural payroll employment.

Paralleling the developments in total employment (household data), the number of payroll jobs has risen for 8 consecutive months. Payroll employment has grown by 2.7 million over the past year, with nearly two-thirds of the increase occurring since December.

The largest May-June increase was in services, where employment rose by 75,000; this was in marked contrast to developments of the prior 3 months, when manufacturing was the largest single contributor to the employment growth. There were also over-the-month gains in government and contract construction. Manufacturing employment, which has shown strong gains since last October, edged down in June. All of the decline occurred in the non-durable goods sector, primarily in food processing.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls edged down 0.1 hour to 36.2 hours in June, seasonally adjusted. With the exception of last January's weather-induced decline in average hours, the workweek has remained at the 36.2-36.3 level since last November. The manufacturing

workweek increased slightly in June, while factory overtime remained at 3.4 hours; both were up by half an hour since October.

The index of aggregate hours of production or non-supervisory workers on nonagricultural payrolls declined by 0.3 percent in June to 115.7 (1967=100). Despite the drop, the index was 3.7 percent above the year-ago level. The manufacturing index moved up 0.2 percent in June to 98.6 and was up 4.2 percent over the past year.

Hourly and weekly earnings

Both average hourly and weekly earnings of production or nonsupervisory workers on private nonagricultural payrolls were little changed in June on a seasonally-adjusted basis. Hourly and weekly earnings were, respectively, 7.4 and 7.7 percent higher than a year earlier.

Before adjustment for seasonality, average hourly earnings were \$5.20 in June, up 1 cent from May and 35 cents from a year earlier. Average weekly earnings were \$189.28, an increase of \$1.92 over the month and \$12.74 from the June 1976 level.

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 196.9 (1967=100) in June, 0.3 percent higher than in May. The index was 6.8 percent above June a year ago. During the 12-month period ended in May, the Hourly Earnings Index in dollars of constant purchasing power rose 0.1 percent.

Labor Force Data by Person-Family Relationship

*Deborah Pisetzner Klein

Regular publication of data which interrelate the employment status of various family members begins with this issue of *Employment and Earnings* and will continue on a quarterly basis. The accompanying table 1 shows the unemployed by family status and by the presence or absence of an employed person in the family; table 2 shows similar data for the employed.

The data underlying these tables are derived from the Current Population Survey through a special tabular package that was initiated in January 1976. Somewhat similar data have been available for March of each year since the 1950's and have been published in the Special Labor Force Report Series on Marital and Family Characteristics of the Labor Force.¹ This historical series documents the growth in the number of multi-worker families, a trend which has increased the likelihood that an unemployed person lives in a family with a working relative. For example, over the past 20 years the proportion of unemployed husbands whose families included at least one employed member has increased by around 10 percentage points to about 50 percent.

The new data series make it possible to analyze on a more current basis the employment situation of individuals in the context of their families. Despite publicized trends in unconventional living arrangements, the great majority of people continue to live in families. Knowledge of the employment patterns within the context of a family structure provides another dimension to labor force analysis and may provide new insights for policymakers.

The data in the tables answer questions often asked: What proportion of the unemployed are in families where someone else is employed? What proportion of the employed provide the only paycheck for their families? The data also clarify what may be some common misconceptions. We can see, for example, that currently less than half of all husbands are the only "breadwinners" in their families; that about 10 percent of all employed wives are the only earners in their families; and that about 15 percent of all unemployed wives have no one employed in their families.

Overall, it is clear from table 1 that most unemployed persons live in families where someone else holds down a job. But the specific proportions vary by particular family

member; thus, for example, unemployed women who head families are not very likely to have an employed relative living with them. On the other hand, unemployed relatives in husband-wife families—generally teenagers and young adults—almost always live in a family that includes an employed member. There are, however, about 1 million unemployed persons who do not live in families.

Unemployed black workers are less likely than unemployed white workers to live in a family which includes an employed relative. One-third of all unemployed blacks, compared with only about one-tenth of all unemployed whites, live in families headed by a woman. Female-headed families include relatively fewer individuals of working age than husband-wife families. Thus, individuals in such families are less likely to have an employed relative. Furthermore, unemployed blacks in families headed by a woman are even less likely to have an employed relative than unemployed whites in similar families. By contrast, in husband-wife families there is little difference by race in the proportions of the unemployed with employed relatives.

By comparing the data in the two tables we can see that the employment status of one family member is not totally independent of that of other family members. For each family relationship category, employed individuals are somewhat more likely than unemployed individuals to live with an employed relative. For example, the proportion of employed husbands who live in a family in which someone else is employed is greater than the proportion of unemployed husbands who live in a family that includes an employed person. This is because many characteristics, such as relative education and skill levels, tend to be similar for all members of an individual family. Moreover, all members of families living in areas of high unemployment will tend to experience greater than average difficulty in obtaining a job.

* Deborah Pisetzner Klein is an economist in the Division of Employment and Unemployment Analysis, Office of Current Employment Analysis, Bureau of Labor Statistics.

¹ March 1975 data were published in Special Labor Force Report 183. March 1976 data appear in B. Johnson and H. Hayghe, Labor Force Participation of Married Women, *Monthly Labor Review*, June 1977.

Table 1. Unemployed persons by family relationship and presence of employed family members, quarterly averages, not seasonally adjusted

(Numbers in thousands)

Family relationship	II 1976				II 1977			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Unemployed, total	6,950	37.9	62.1	55.7	6,724	38.1	61.9	55.7
Unemployed, in families ¹	6,057	28.7	71.3	63.9	5,852	28.9	71.1	63.9
Husbands ²	1,607	50.0	50.0	38.1	1,386	51.7	48.3	38.4
Wives	1,312	16.0	84.0	78.0	1,299	14.0	86.0	80.6
Relatives in husband-wife families	2,093	9.2	90.8	86.5	2,051	11.0	89.0	85.1
Women who head families	370	83.2	16.8	11.4	376	81.6	18.4	10.9
Relatives of female heads	675	33.5	66.5	56.3	740	35.1	64.9	50.8
Unemployed, not in families ³	893	--	--	--	872	--	--	--
White								
Unemployed, total	5,548	36.5	63.5	57.1	5,298	36.7	63.3	57.2
Unemployed, in families ¹	4,825	27.0	73.0	65.7	4,583	26.9	73.1	66.2
Husbands ²	1,356	50.5	49.5	37.6	1,174	52.6	47.4	37.5
Wives	1,107	16.0	84.0	78.6	1,079	12.9	87.1	82.6
Relatives in husband-wife families	1,739	8.2	91.8	88.0	1,672	10.1	89.9	86.1
Women who head families	227	80.6	19.4	11.9	228	72.8	27.2	15.4
Relatives of female heads	396	29.0	71.0	58.8	430	32.3	67.7	53.0
Unemployed, not in families ³	723	--	--	--	715	--	--	--
Black⁴								
Unemployed, total	1,279	44.2	55.8	49.1	1,283	43.1	56.9	49.5
Unemployed, in families ¹	1,116	36.0	64.0	56.3	1,146	36.3	63.7	55.4
Husbands ²	219	48.9	51.1	38.8	173	45.7	54.3	42.8
Wives	173	15.6	84.4	74.6	195	16.9	83.1	73.3
Relatives in husband-wife families	315	13.7	86.3	80.6	338	15.4	84.6	80.2
Women who head families	140	87.1	12.9	10.7	141	95.7	4.3	4.3
Relatives of female heads	269	38.3	61.7	53.9	299	39.1	60.9	47.2
Unemployed, not in families ³	163	--	--	--	137	--	--	--

¹ In primary families only.

² Includes a small number of single, separated, widowed, or divorced men who head families.

³ Includes unrelated individuals and persons in secondary families.

⁴ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

Table 2. Employed persons by family relationship and presence of additional employed family members, quarterly averages, not seasonally adjusted

(Numbers in thousands)

Family relationship	II 1976			II 1977				
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Employed, total	87,440	38.8	61.2	52.1	90,327	37.9	62.1	53.0
Employed, in families ¹	76,873	30.3	69.7	59.3	78,866	28.9	71.1	60.7
Husbands ²	38,722	44.2	55.8	40.2	39,043	42.5	57.5	41.8
Wives	19,927	9.8	90.2	85.7	20,634	9.0	91.0	86.4
Relatives in husband-wife families	11,643	6.8	93.2	89.6	12,195	6.2	93.8	90.1
Women who head families	3,790	69.0	31.0	22.0	3,983	68.2	31.8	21.8
Relatives of female heads	2,791	30.5	69.5	59.2	3,011	29.6	70.4	60.2
Employed, not in families ³	10,567	--	--	--	11,461	--	--	--
White								
Employed, total	78,004	38.4	61.6	52.2	80,580	37.5	62.5	53.2
Employed, in families ¹	68,755	30.1	69.9	59.3	70,504	28.6	71.4	60.8
Husbands ²	35,315	44.8	55.2	39.3	35,556	43.0	57.0	41.0
Wives	17,821	9.3	90.7	86.4	18,496	8.6	91.4	86.9
Relatives in husband-wife families	10,614	6.5	93.5	89.9	11,165	5.9	94.1	90.5
Women who head families	2,846	67.0	33.0	22.8	2,938	65.9	34.1	23.0
Relatives of female heads	2,159	31.1	68.9	59.1	2,349	29.7	70.3	60.1
Employed, not in families ³	9,249	--	--	--	10,076	--	--	--
Black⁴								
Employed, total	8,085	41.6	58.4	50.7	8,370	41.8	58.2	50.5
Employed, in families ¹	7,016	32.7	67.3	58.5	7,208	32.4	67.6	58.7
Husbands ²	2,887	37.7	62.3	50.1	2,948	37.2	62.8	50.4
Wives	1,809	14.1	85.9	79.4	1,824	12.3	87.7	82.0
Relatives in husband-wife families	833	10.6	89.4	84.5	819	9.8	90.2	85.2
Women who head families	902	75.8	24.2	18.7	1,000	75.0	25.0	18.2
Relatives of female heads	585	30.9	69.1	59.0	617	29.8	70.2	59.5
Employed, not in families ³	1,069	--	--	--	1,162	--	--	--

¹ See footnote 1, table 1.
² See footnote 2, table 1.

³ See footnote 3, table 1.
⁴ See footnote 4, table 1.

CHARTS

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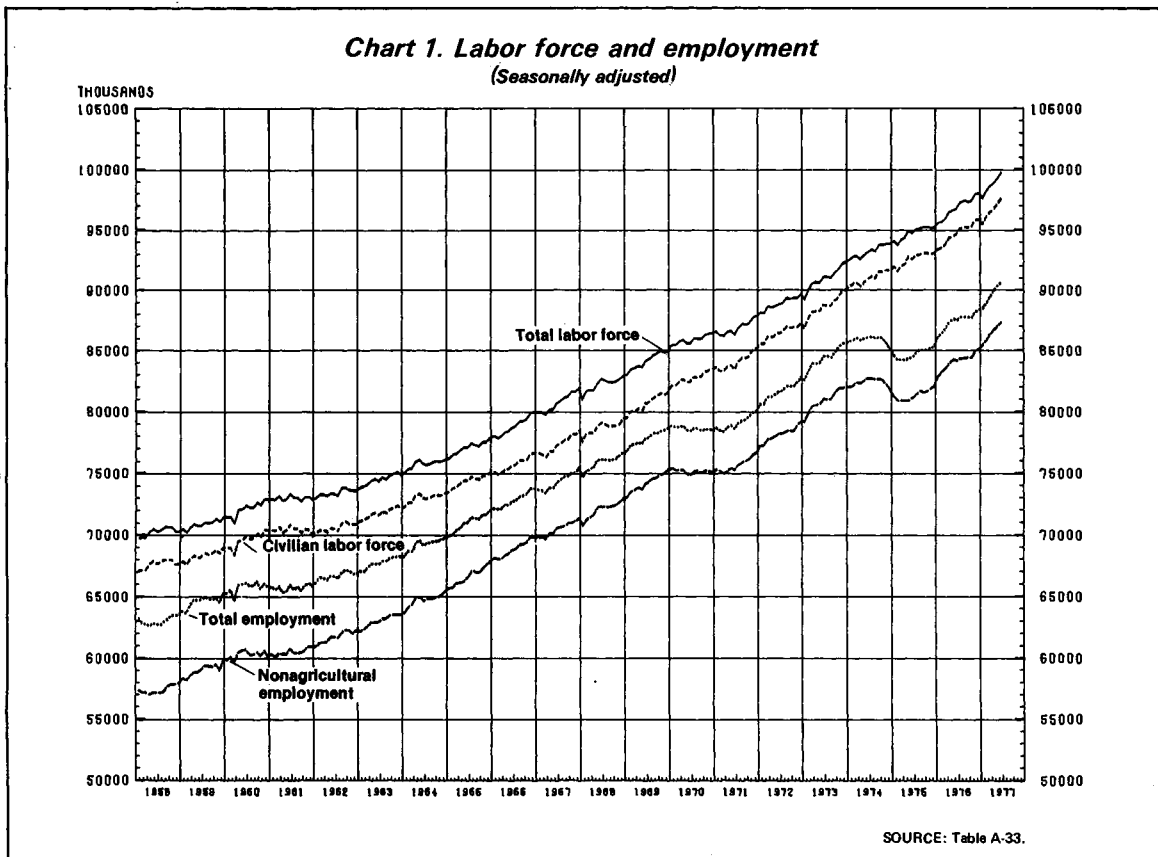
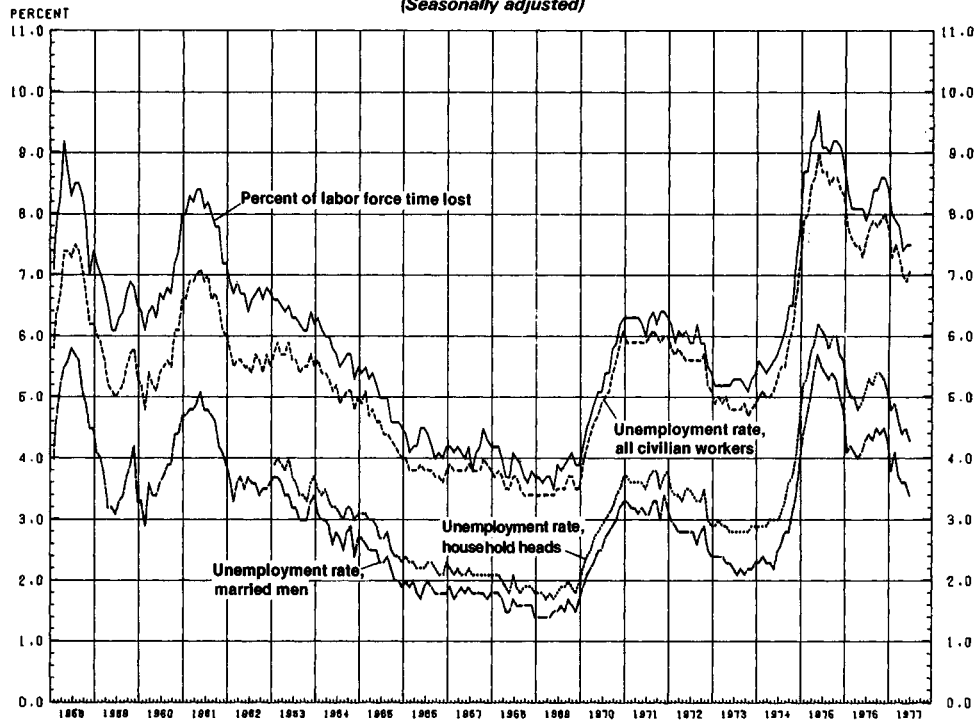
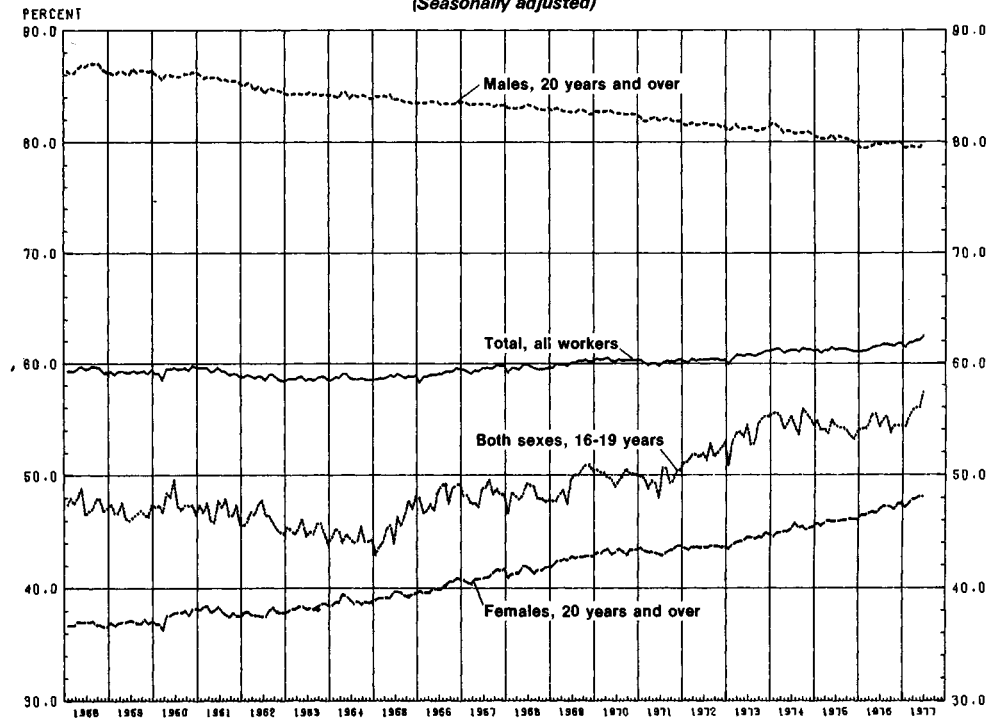


Chart 2. Major unemployment indicators
(Seasonally adjusted)



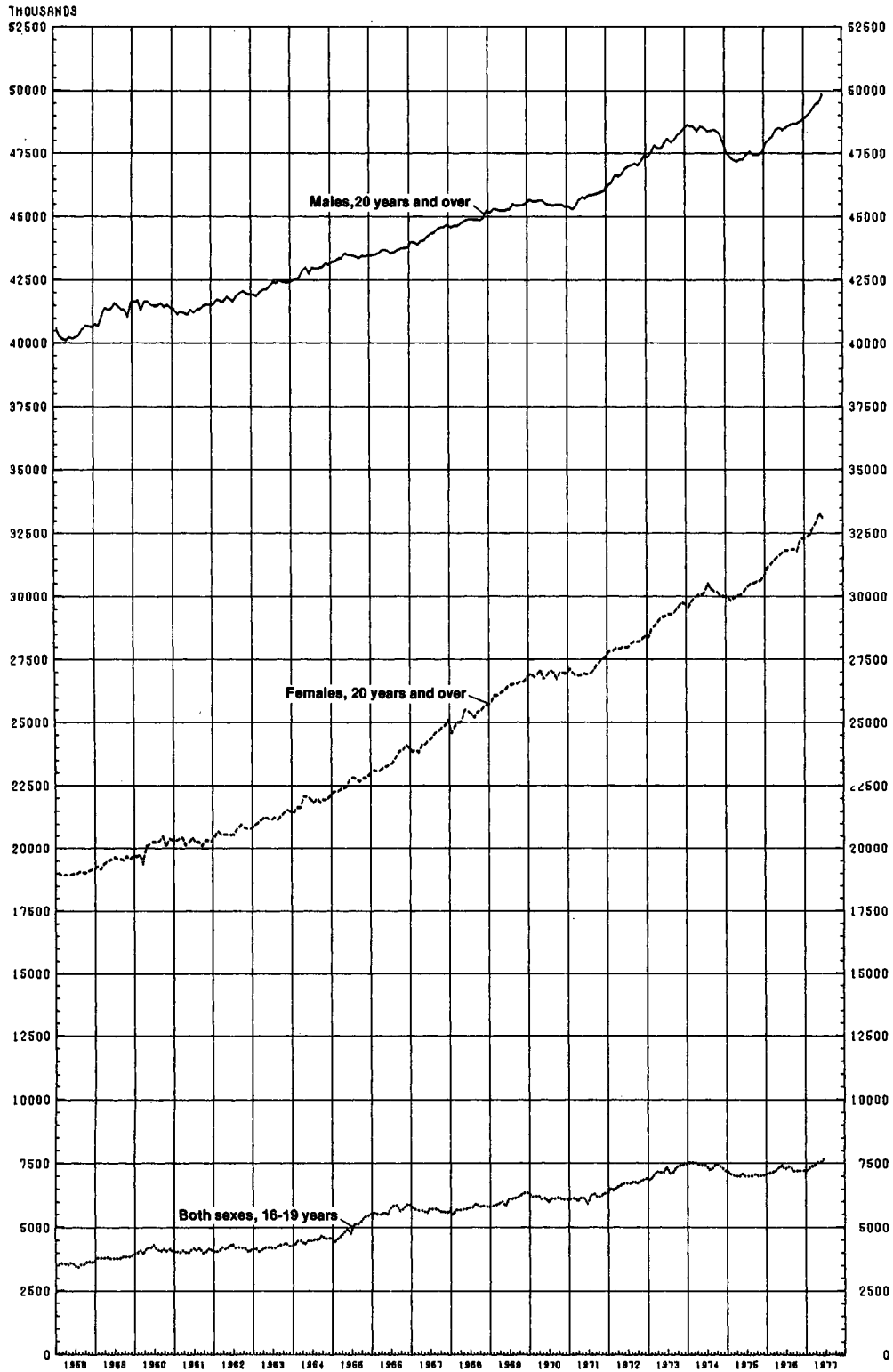
SOURCE: Table A-36.

Chart 3. Civilian labor force participation rates by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

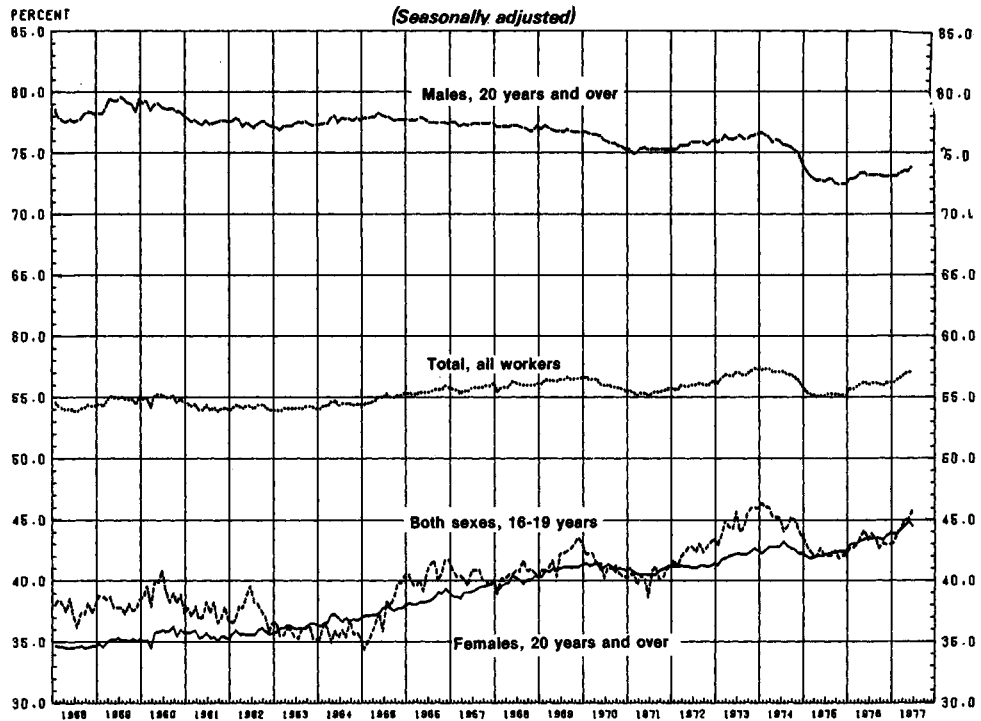
Chart 4. Total employment by sex and age
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age

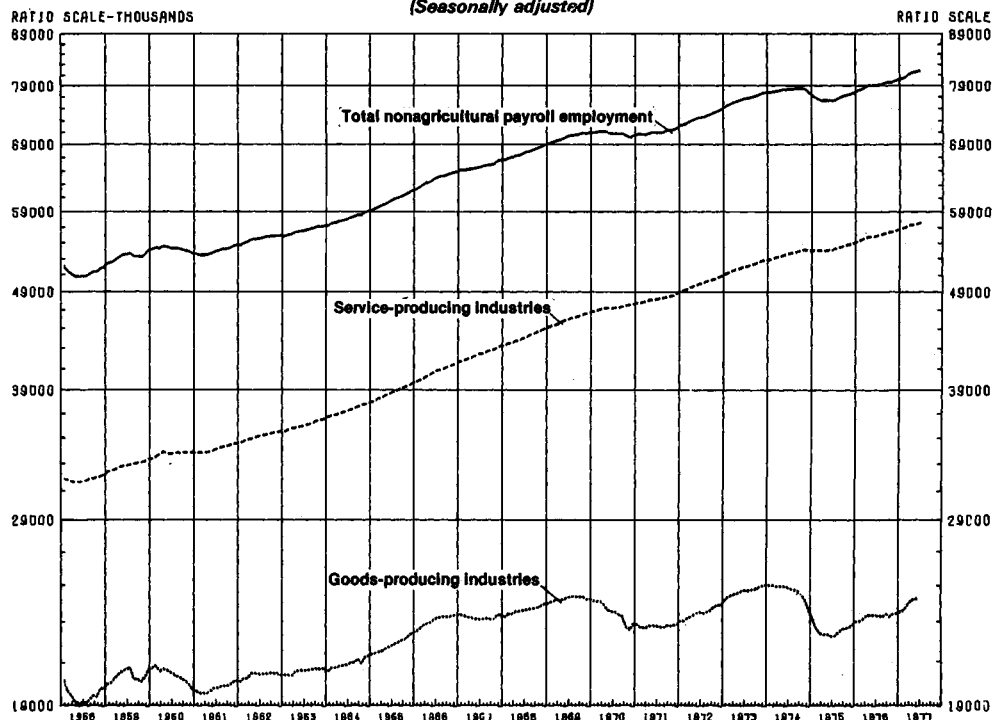
(Seasonally adjusted)



SOURCE: Table A-33.

Chart 6. Payroll employment in goods- and service-producing industries

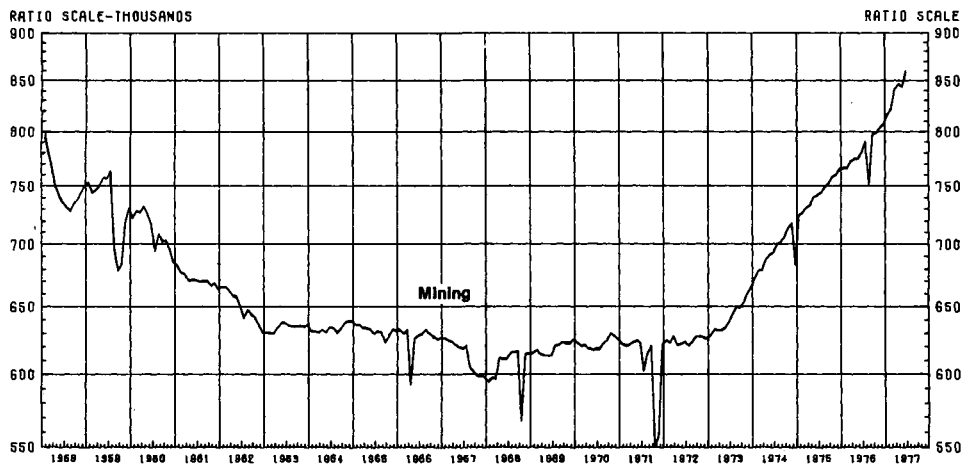
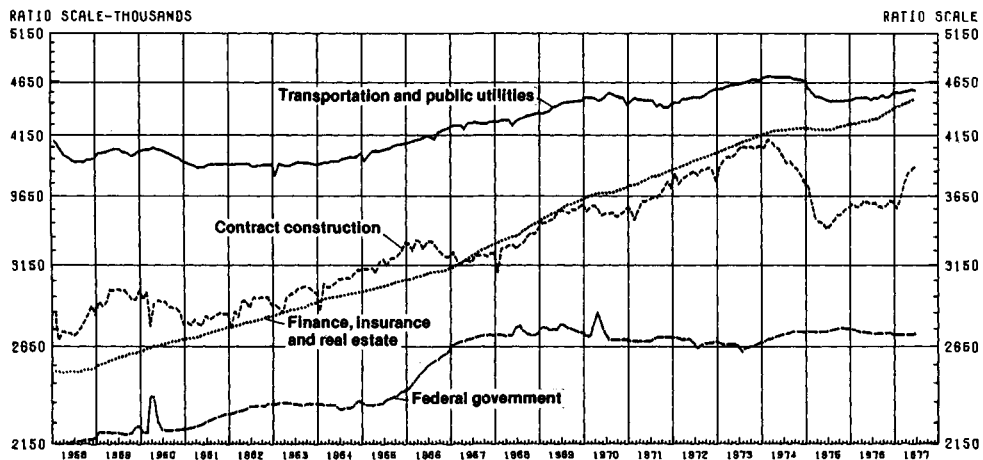
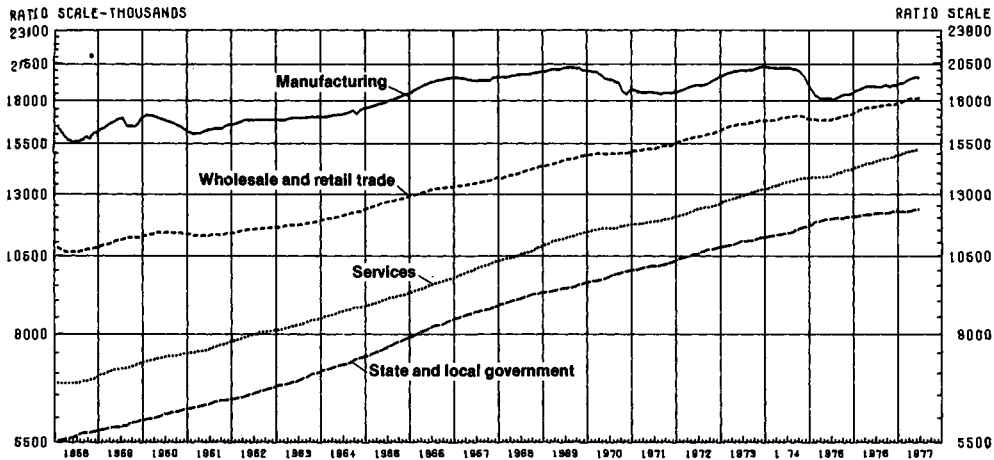
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

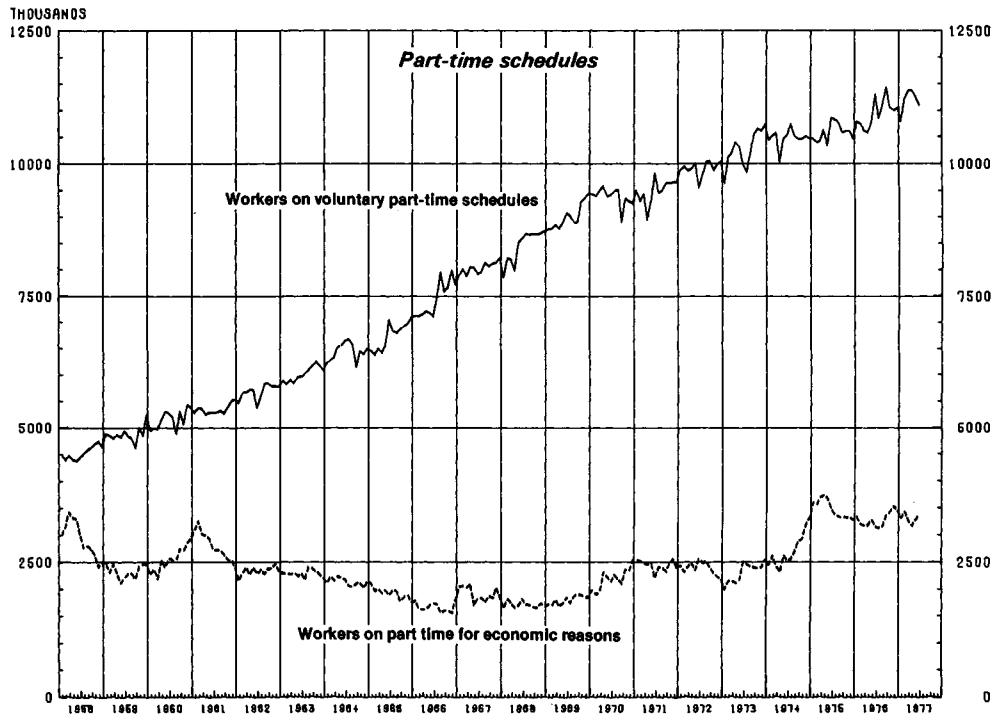
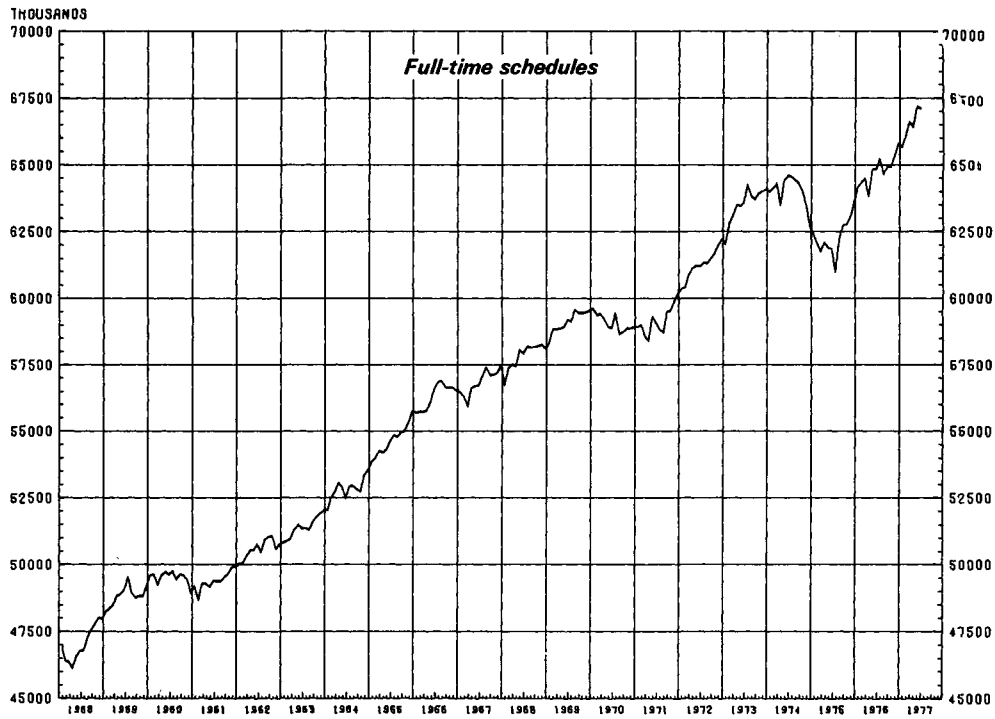
Chart 7. Nonagricultural payroll employment by industry
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

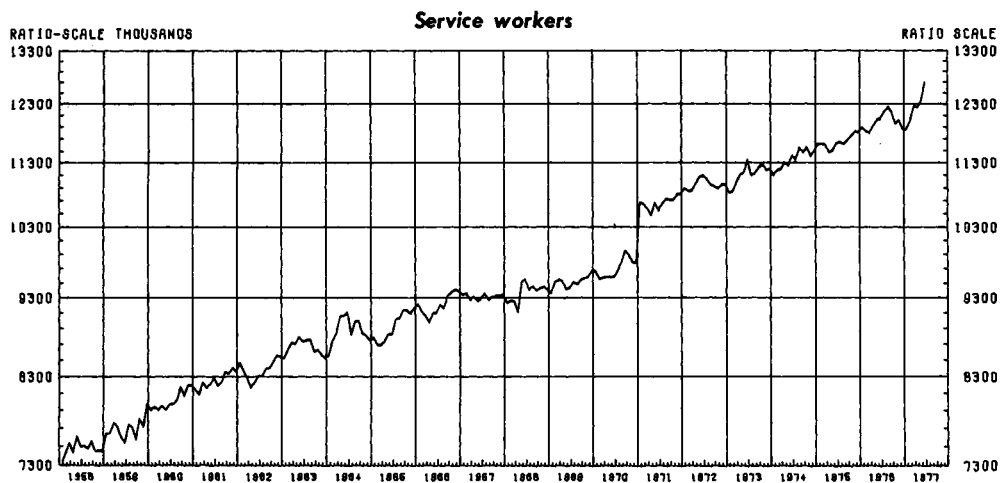
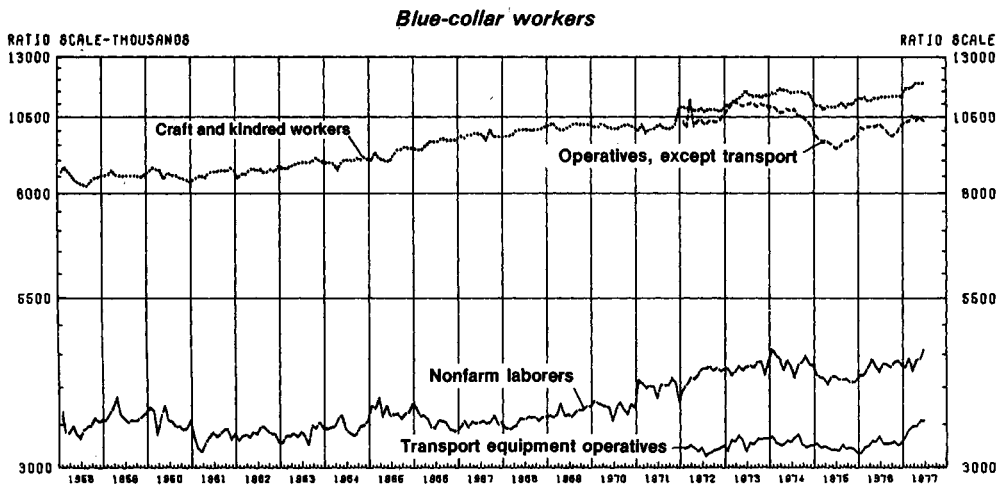
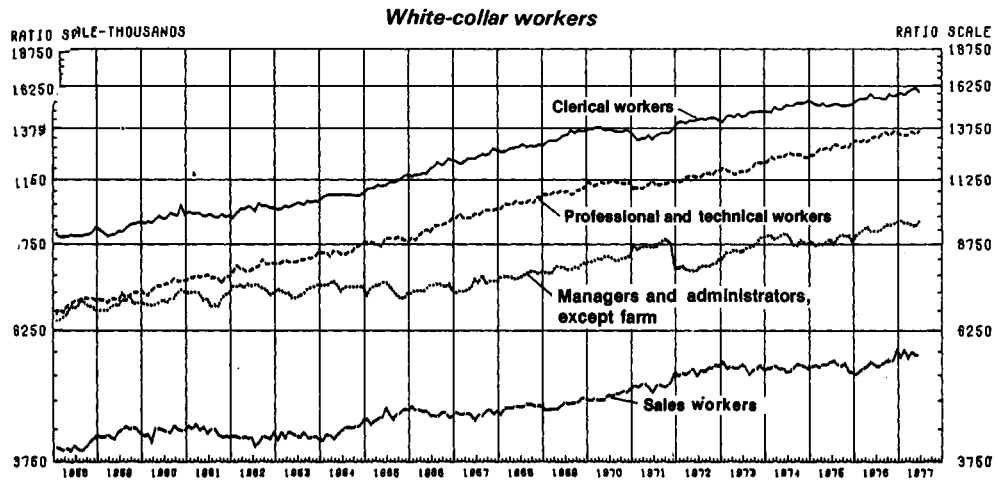
SOURCE: Table B-5.

**Chart 8. Persons at work full and part time
in nonagricultural industries**
(Seasonally adjusted)



SOURCE: Table A-42.

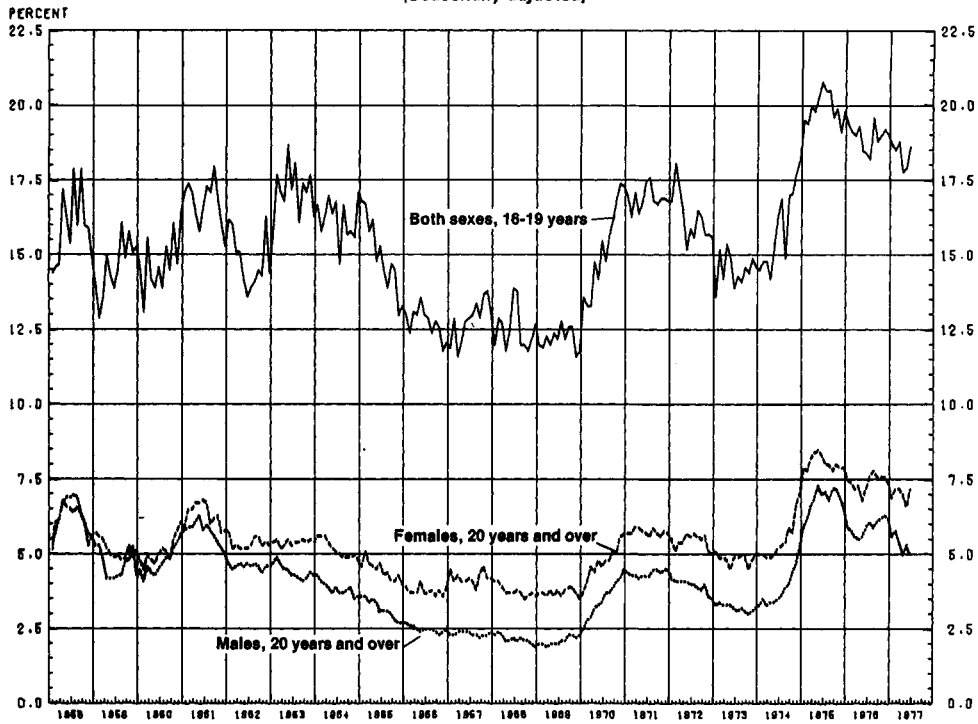
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

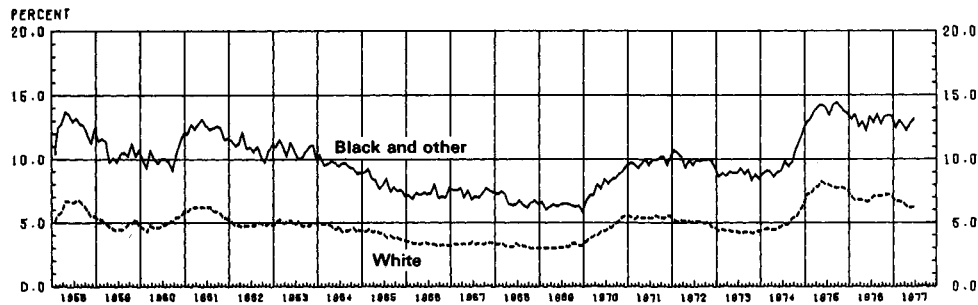
SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age
(Seasonally adjusted)

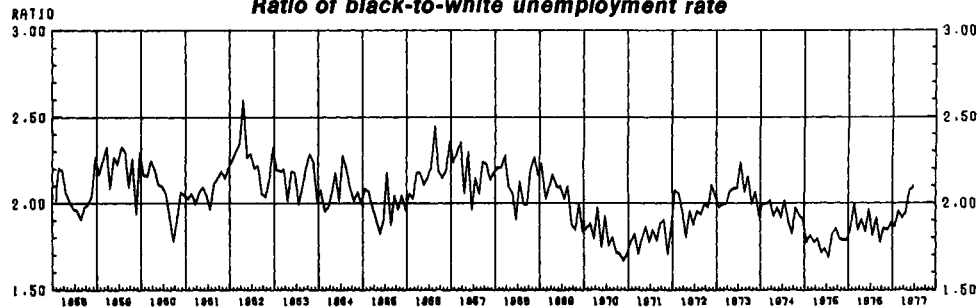


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

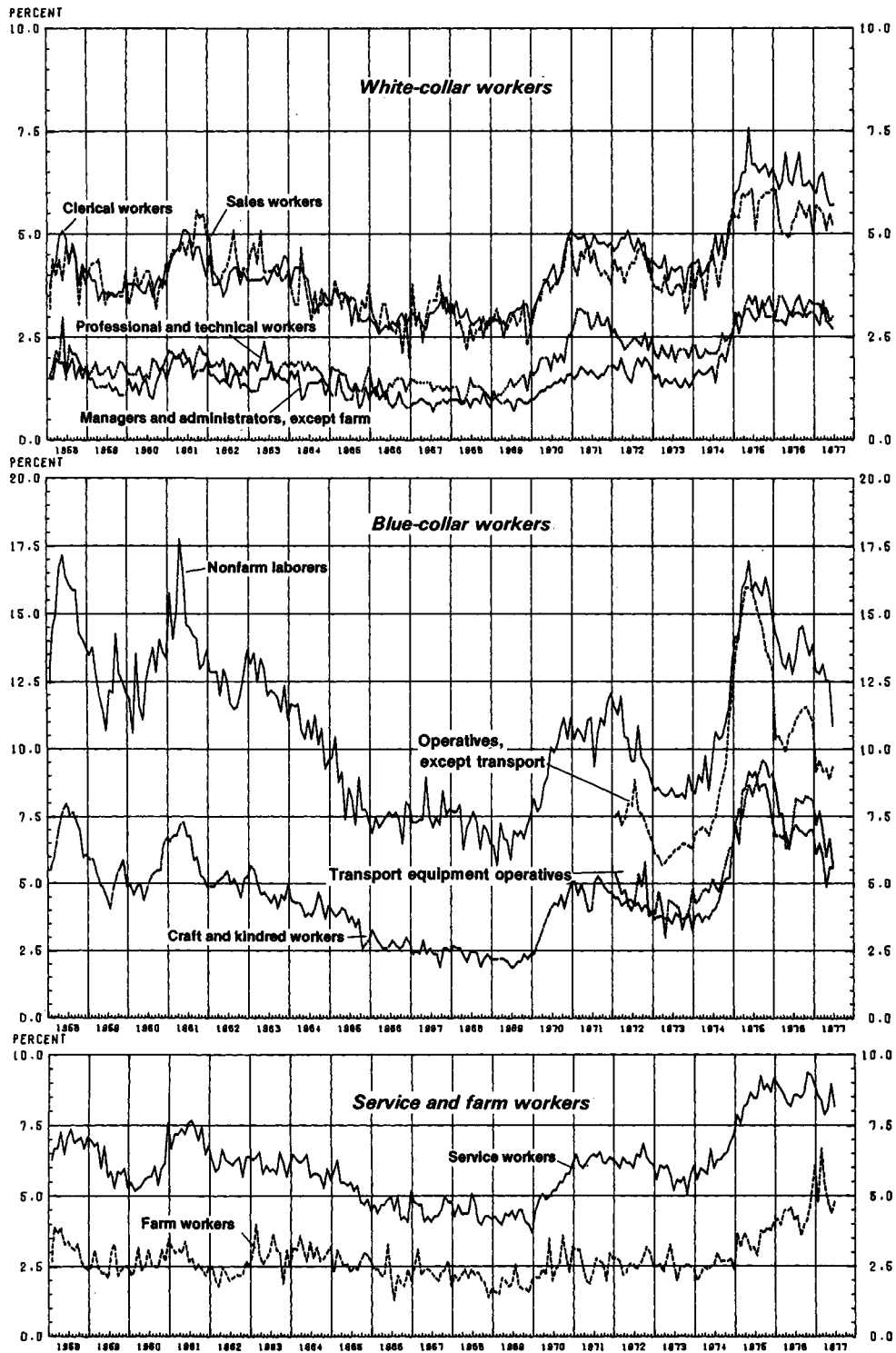


Ratio of black-to-white unemployment rate



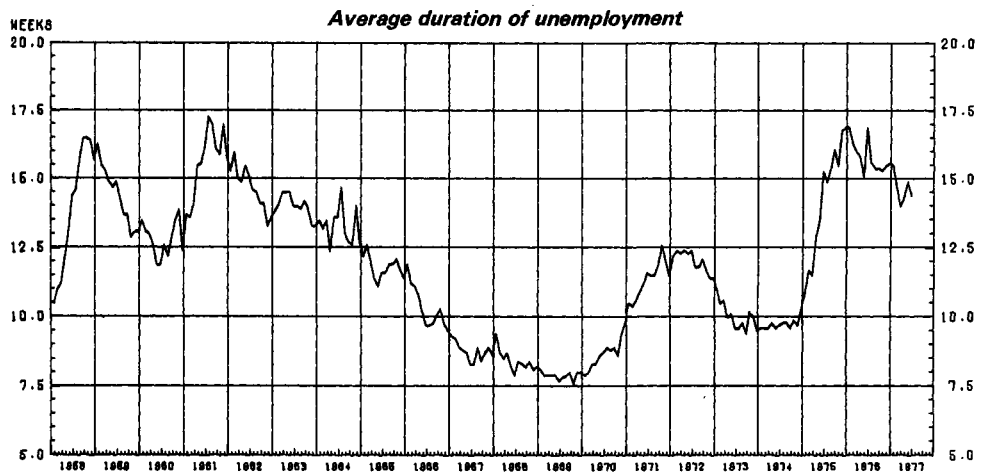
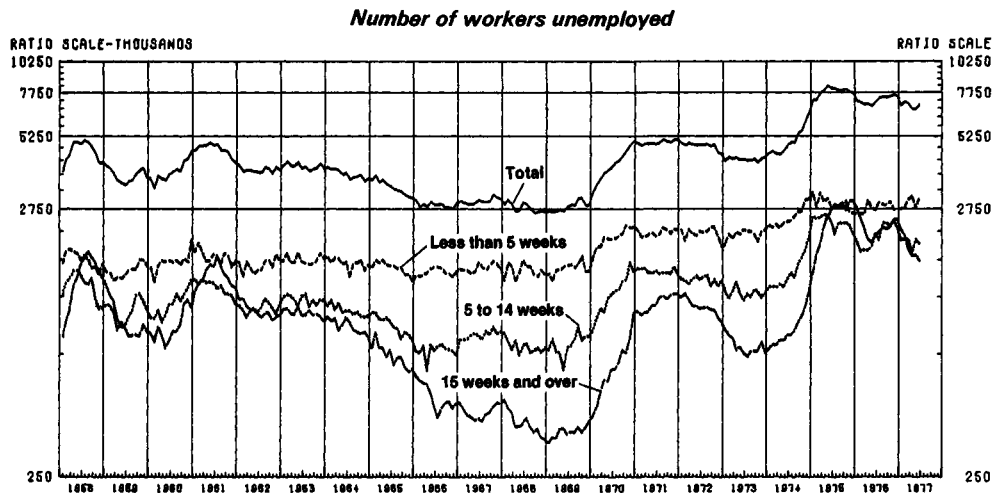
SOURCE: Table A-35.

Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A-36.

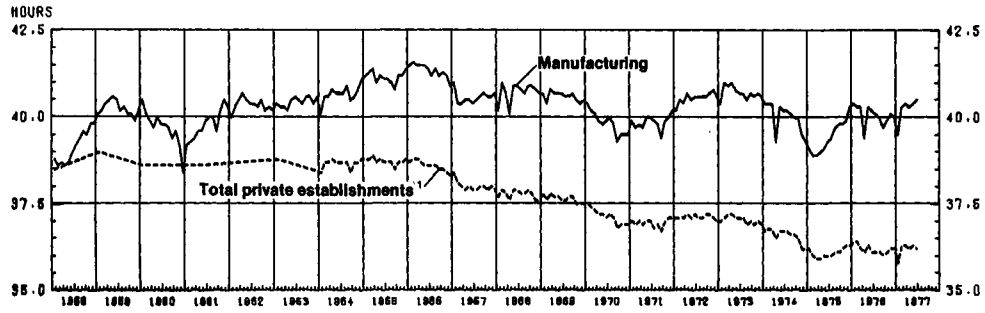
Chart 13. Duration of unemployment
(Seasonally adjusted)



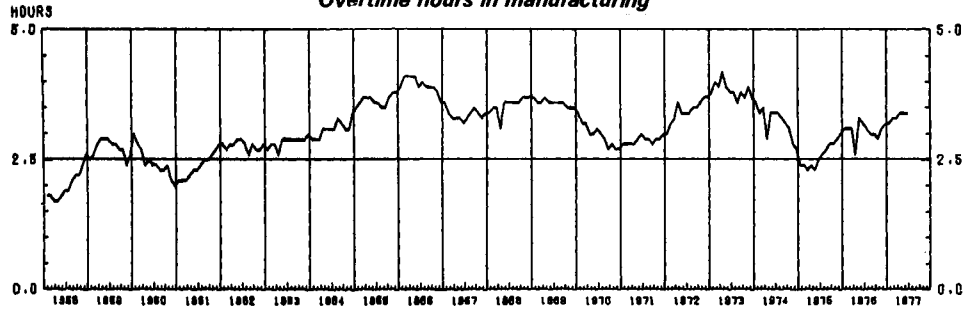
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing

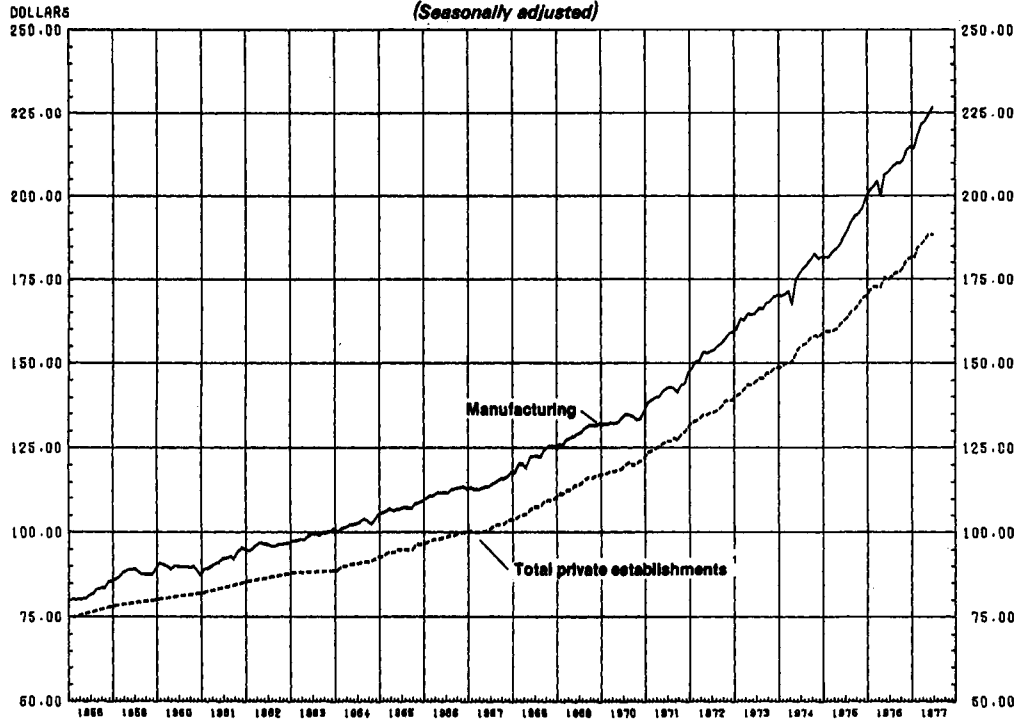


¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

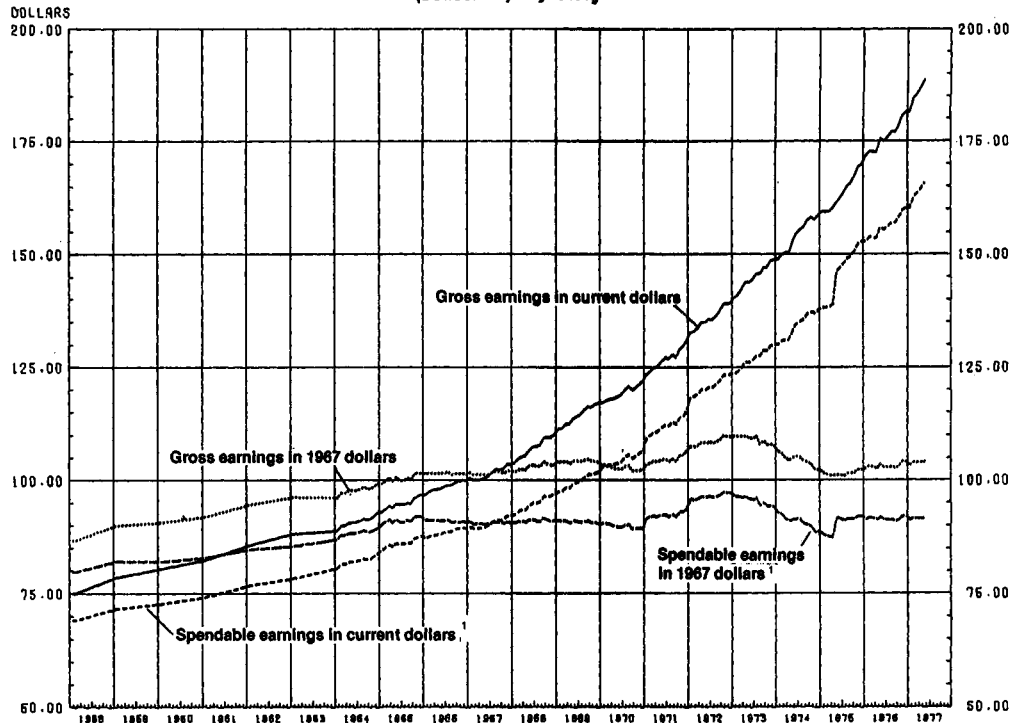
(Seasonally adjusted)



¹ Annual averages prior to 1964.
NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

Chart 16. Total private gross and spendable weekly earnings
(Seasonally adjusted)

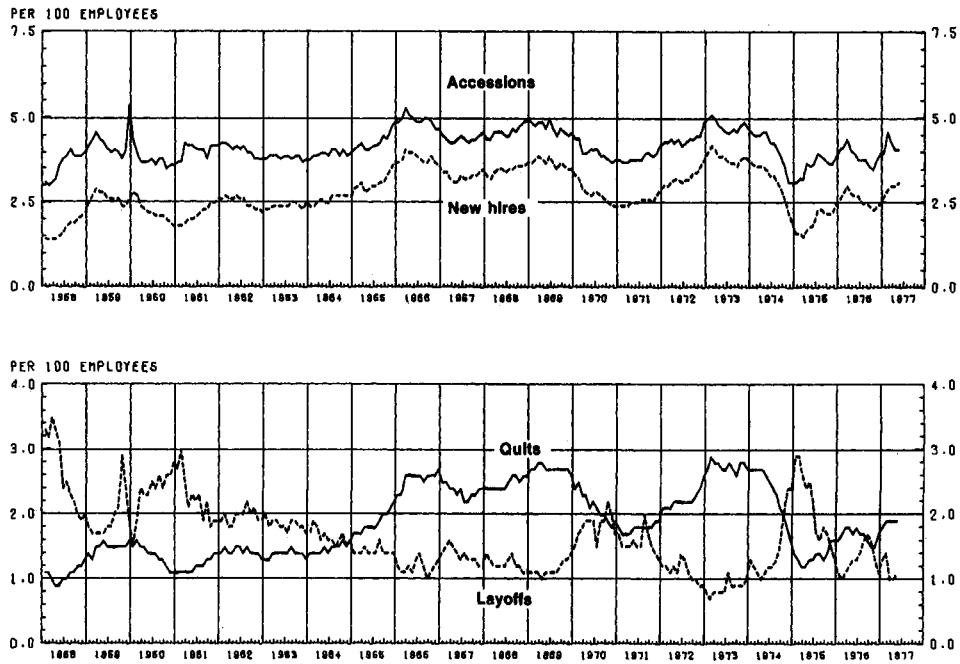


¹ Worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-8.

Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

HOUSEHOLD DATA HISTORICAL

A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
TOTAL										
Annual averages										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ¹	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ¹	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ¹	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
Monthly data, seasonally adjusted²										
1976:										
June.....	155,925	96,841	62.1	94,704	87,533	3,313	84,220	7,171	7.6	59,084
July.....	156,142	97,329	62.3	95,189	87,783	3,333	84,450	7,406	7.8	58,813
August.....	156,367	97,498	62.4	95,351	87,834	3,372	84,462	7,517	7.9	58,869
September.....	156,595	97,387	62.2	95,242	87,794	3,278	84,516	7,448	7.8	59,209
October.....	156,788	97,449	62.2	95,302	87,738	3,310	84,428	7,564	7.9	59,340
November.....	157,006	98,020	62.4	95,871	88,220	3,248	84,972	7,651	8.0	58,986
December.....	157,176	98,106	62.4	95,960	88,441	3,257	85,184	7,519	7.8	59,071
1977:										
January.....	157,381	97,649	62.0	95,516	88,558	3,090	85,468	6,958	7.3	59,732
February.....	157,584	98,282	62.4	96,145	88,962	3,090	85,872	7,183	7.5	59,302
March.....	157,782	98,677	62.5	96,539	89,475	3,116	86,359	7,064	7.3	59,104
April.....	157,986	98,892	62.6	96,760	90,023	3,260	86,763	6,737	7.0	59,094
May.....	158,228	99,286	62.7	97,158	90,408	3,386	87,022	6,750	6.9	58,943
June.....	158,456	99,770	63.0	97,641	90,679	3,338	87,341	6,962	7.1	58,686

¹ Not strictly comparable with prior years due to the introduction of population adjustments in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
MALES										
Annual averages										
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
Monthly data, seasonally adjusted²										
1976:										
June.....	74,671	58,293	78.1	56,263	52,332	2,754	49,578	3,931	7.0	16,378
July.....	74,774	58,560	78.3	56,527	52,507	2,773	49,734	4,020	7.1	16,214
August.....	74,881	58,602	78.7	56,564	52,596	2,768	49,828	3,968	7.0	16,279
September.....	74,990	58,641	78.2	56,606	52,546	2,691	49,855	4,060	7.2	16,349
October.....	75,095	58,791	78.3	56,754	52,576	2,688	49,888	4,178	7.4	16,304
November.....	75,198	58,929	78.4	56,887	52,643	2,625	50,018	4,244	7.5	16,269
December.....	75,325	58,987	78.3	56,951	52,799	2,624	50,175	4,152	7.3	16,338
1977:										
January.....	75,422	58,654	77.8	56,632	52,918	2,548	50,370	3,714	6.6	16,768
February.....	75,519	58,976	78.1	56,950	53,046	2,546	50,500	3,904	6.9	16,543
March.....	75,610	59,007	78.0	56,982	53,270	2,544	50,726	3,712	6.5	16,603
April.....	75,706	59,060	78.0	57,041	53,575	2,626	50,949	3,466	6.1	16,646
May.....	75,823	59,346	78.3	57,331	53,722	2,724	50,998	3,609	6.3	16,477
June.....	75,932	59,581	78.5	57,567	53,987	2,698	51,289	3,580	6.2	16,351
FEMALES										
Annual averages										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,510	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
Monthly data, seasonally adjusted²										
1976:										
June.....	81,254	38,548	47.4	38,441	35,201	559	34,642	3,240	8.4	42,706
July.....	81,368	38,769	47.6	38,662	35,276	560	34,716	3,386	8.8	42,599
August.....	81,486	38,896	47.7	38,787	35,238	604	34,634	3,549	9.1	42,590
September.....	81,605	38,745	47.5	38,636	35,248	587	34,661	3,388	8.8	42,860
October.....	81,694	38,657	47.3	38,548	35,162	622	34,540	3,386	8.8	43,037
November.....	81,808	39,093	47.8	38,984	35,577	623	34,594	3,407	8.7	42,715
December.....	81,851	39,118	47.8	39,009	35,642	633	35,009	3,367	8.6	42,733
1977:										
January.....	81,959	38,995	47.6	38,884	35,640	542	35,098	3,244	8.3	42,964
February.....	82,065	39,306	47.9	39,195	35,916	544	35,372	3,279	8.4	42,759
March.....	82,172	39,671	48.3	39,557	36,205	572	35,633	3,352	8.5	42,501
April.....	82,280	39,832	48.4	39,719	36,448	634	35,814	3,271	8.2	42,448
May.....	82,405	39,940	48.5	39,827	36,686	662	36,024	3,141	7.9	42,465
June.....	82,524	40,190	48.7	40,074	36,692	640	36,052	3,382	8.4	42,334

¹ Not strictly comparable with prior years due to the introduction of population adjustments in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race.

[Numbers in thousands]

Sex, age, and race	June 1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	60,905	80.2	58,892	55,095	3,797	6.4	15,027	305	1,661	1,908	11,152
16 to 21 years	10,090	79.4	9,389	7,743	1,646	17.5	2,620	27	1,255	39	1,299
16 to 19 years	6,333	74.5	6,007	4,787	1,220	20.3	2,168	27	1,023	18	1,100
16 to 17 years	2,724	64.2	2,696	2,020	676	25.1	1,522	17	745	5	755
18 to 19 years	3,609	84.8	3,311	2,767	544	16.4	646	10	279	13	345
20 to 64 years	52,744	90.6	51,056	48,554	2,502	4.9	5,503	127	637	1,401	3,339
20 to 24 years	9,026	90.8	8,280	7,399	881	10.6	911	7	441	65	398
25 to 54 years	36,675	94.5	35,735	34,306	1,428	4.0	2,118	64	194	773	1,085
25 to 29 years	8,330	95.6	7,954	7,443	512	6.4	386	6	114	56	211
30 to 34 years	7,227	96.3	6,986	6,717	269	3.9	275	20	33	89	133
35 to 39 years	5,706	95.9	5,512	5,336	176	3.2	241	2	22	85	133
40 to 44 years	5,156	95.4	5,064	4,891	174	3.4	251	3	16	110	122
45 to 49 years	5,202	93.5	5,170	5,036	134	2.6	362	10	8	184	160
50 to 64 years	5,055	89.3	5,048	4,884	165	3.3	603	23	2	250	328
55 to 64 years	7,042	74.0	7,041	6,848	193	2.7	2,474	56	2	561	1,855
55 to 59 years	4,338	83.5	4,337	4,223	114	2.6	860	29	2	295	535
60 to 64 years	2,704	62.6	2,704	2,625	79	2.9	1,614	27	--	267	1,320
65 years and over	1,829	19.9	1,829	1,754	75	4.1	7,355	151	1	490	6,713
65 to 69 years	1,075	29.3	1,075	1,015	60	5.6	2,591	46	1	169	2,375
70 years and over	754	13.7	754	739	15	2.0	4,765	106	--	321	4,338
White											
16 years and over	54,285	80.9	52,631	49,656	2,975	5.7	12,813	235	1,226	1,543	9,809
16 to 21 years	8,881	81.9	8,311	7,064	1,246	15.0	1,969	20	916	27	1,007
16 to 19 years	5,603	77.4	5,335	4,397	938	17.6	1,634	20	742	9	864
16 to 17 years	2,407	66.9	2,383	1,865	519	21.8	1,192	15	561	1	615
18 to 19 years	3,196	87.8	2,951	2,532	419	14.2	443	5	181	8	248
20 to 64 years	47,023	91.2	45,638	43,674	1,964	4.3	4,555	95	483	1,143	2,833
20 to 24 years	7,911	92.1	7,317	6,655	661	9.0	683	4	328	51	300
25 to 54 years	32,662	95.1	31,873	30,730	1,143	3.6	1,698	47	153	618	879
25 to 29 years	13,790	96.4	13,278	12,644	634	4.8	520	20	116	111	273
30 to 34 years	9,641	96.1	9,399	9,132	267	2.8	395	5	32	165	192
35 to 44 years	9,230	92.2	9,196	8,953	242	2.6	783	22	6	341	414
55 to 64 years	6,450	74.8	6,449	6,289	160	2.5	2,174	44	2	475	1,654
55 to 59 years	3,963	84.3	3,961	3,871	90	2.3	737	22	2	251	462
60 to 64 years	2,488	63.4	2,488	2,418	70	2.8	1,437	21	--	224	1,192
65 years and over	1,659	20.0	1,659	1,586	73	4.4	6,624	120	1	391	6,112
Black and other											
16 years and over	6,620	74.9	6,261	5,438	822	13.1	2,213	70	435	365	1,343
16 to 21 years	1,208	65.0	1,079	679	399	37.0	651	7	339	12	292
16 to 19 years	730	57.7	673	390	283	42.0	534	7	281	9	237
16 to 17 years	317	49.0	313	155	158	50.4	330	3	184	4	140
18 to 19 years	413	67.0	360	235	125	34.7	204	4	98	5	97
20 to 64 years	5,721	85.8	5,418	4,880	538	9.9	947	32	154	258	505
20 to 24 years	1,115	83.0	963	744	219	22.8	228	2	113	15	98
25 to 54 years	4,014	90.6	3,863	3,577	286	7.4	420	16	41	157	206
25 to 29 years	1,766	92.6	1,663	1,516	147	8.9	141	6	31	33	70
30 to 34 years	1,220	92.6	1,177	1,095	82	7.0	97	--	5	30	62
35 to 44 years	1,027	85.0	1,023	967	56	5.5	181	11	4	93	74
55 to 64 years	592	66.3	592	560	32	5.5	300	12	--	86	201
55 to 59 years	375	75.3	375	352	23	6.2	123	7	--	43	73
60 to 64 years	217	55.1	217	208	9	4.1	177	6	--	43	128
65 years and over	170	18.9	170	168	2	1.3	732	31	--	99	601

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A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

[Numbers in thousands]

Sex, age, and race	June 1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	40,358	48.9	40,243	36,587	3,655	9.1	42,165	34,243	1,854	960	5,108
16 to 21 years	7,901	63.4	7,853	6,318	1,535	19.5	4,555	1,760	1,426	19	1,350
16 to 19 years	4,998	60.0	4,980	3,833	1,147	23.0	3,327	954	1,185	9	1,178
16 to 17 years	2,089	50.7	2,088	1,517	571	27.4	2,028	379	830	3	816
18 to 19 years	2,909	69.1	2,892	2,316	576	19.9	1,299	575	355	6	363
20 to 64 years	34,331	56.1	34,234	31,780	2,454	7.2	26,813	23,705	659	421	2,028
20 to 24 years	6,827	68.8	6,764	5,956	808	11.9	3,094	2,297	410	21	366
25 to 54 years	23,240	57.3	23,206	21,744	1,462	6.3	17,338	15,775	241	229	1,094
25 to 29 years	5,377	60.5	5,353	4,906	448	8.4	3,504	3,147	118	20	218
30 to 34 years	4,250	55.2	4,244	3,974	270	6.4	3,453	3,197	50	21	183
35 to 39 years	3,688	58.8	3,686	3,462	223	6.1	2,582	2,372	29	26	155
40 to 44 years	3,336	58.4	3,335	3,160	175	5.2	2,376	2,171	17	46	141
45 to 49 years	3,368	57.3	3,367	3,197	171	5.1	2,509	2,300	17	41	151
50 to 54 years	3,222	52.5	3,222	3,046	176	5.5	2,915	2,587	10	74	245
55 to 64 years	4,264	40.1	4,264	4,080	184	4.3	6,382	5,635	8	171	568
55 to 59 years	2,685	47.0	2,685	2,570	115	4.3	3,028	2,732	4	83	209
60 to 64 years	1,579	32.0	1,579	1,510	69	4.4	3,353	2,902	4	88	359
65 years and over	1,029	7.9	1,029	975	54	5.2	12,025	9,583	10	530	1,902
65 to 69 years	657	14.2	657	623	34	5.2	3,971	3,351	4	71	545
70 years and over	372	4.4	372	352	20	5.3	8,054	6,232	5	459	1,357
White											
16 years and over	34,993	48.5	34,899	32,092	2,807	8.0	37,179	30,598	1,387	765	4,429
16 to 21 years	6,952	66.0	6,912	5,762	1,151	16.6	3,587	1,406	1,053	17	1,113
16 to 19 years	4,423	62.9	4,407	3,545	862	19.6	2,611	757	873	7	975
16 to 17 years	1,848	53.3	1,847	1,413	434	23.5	1,619	299	624	2	693
18 to 19 years	2,575	72.2	2,560	2,132	428	16.7	993	458	248	5	282
20 to 64 years	29,649	55.6	29,571	27,681	1,890	6.4	23,631	21,040	505	324	1,762
20 to 24 years	5,894	69.8	5,844	5,247	596	10.2	2,546	1,932	306	19	289
25 to 54 years	19,936	56.6	19,909	18,775	1,135	5.7	18,310	13,987	194	166	964
25 to 29 years	8,160	57.1	8,136	7,596	540	6.6	6,133	5,606	133	35	359
30 to 34 years	6,003	58.0	6,001	5,694	306	5.1	4,348	4,008	41	43	256
35 to 44 years	5,773	54.5	5,772	5,484	288	5.0	4,828	4,373	19	87	349
55 to 64 years	3,818	39.8	3,818	3,659	159	4.2	5,776	5,121	6	139	509
55 to 59 years	2,412	47.0	2,412	2,412	99	4.1	2,725	2,478	2	65	179
60 to 64 years	1,407	31.6	1,407	1,346	61	4.3	3,051	2,643	4	74	330
65 years and over	921	7.8	921	867	54	5.8	10,936	8,801	9	434	1,692
Black and other											
16 years and over	5,366	51.8	5,344	4,495	849	15.9	4,987	3,645	467	195	679
16 to 21 years	949	49.5	941	557	384	40.8	967	355	374	2	237
16 to 19 years	576	44.6	573	288	285	49.7	716	197	312	2	204
16 to 17 years	241	37.1	241	104	137	56.9	409	80	206	1	123
18 to 19 years	335	52.2	332	184	148	44.5	307	117	107	1	81
20 to 64 years	4,682	59.5	4,663	4,099	564	12.1	3,182	2,665	154	97	266
20 to 24 years	933	63.0	920	708	212	23.0	548	364	104	2	77
25 to 54 years	3,304	62.0	3,297	2,970	328	9.9	2,029	1,787	48	63	130
25 to 29 years	1,467	64.1	1,461	1,284	177	12.1	823	738	36	7	42
30 to 34 years	1,020	62.6	1,020	928	92	9.0	609	535	5	28	41
35 to 44 years	817	57.8	816	758	59	7.2	597	514	7	29	47
55 to 64 years	446	42.4	445	421	25	5.5	606	514	2	32	59
55 to 59 years	273	47.4	273	257	16	5.9	303	254	2	18	30
60 to 64 years	172	36.3	172	164	9	4.9	303	259	--	14	29
65 years and over	108	9.0	108	108	--	.1	1,089	782	1	96	210

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A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
MALES								
16 years and over	59,559	60,905	79.8	80.2	57,528	58,892	79.2	79.7
16 to 19 years	6,018	6,333	70.9	74.5	5,678	6,007	69.7	73.5
16 to 17 years	2,524	2,724	59.7	64.2	2,497	2,696	59.4	63.9
18 to 19 years	3,494	2,609	82.0	84.8	3,181	3,311	80.6	83.7
20 to 24 years	8,782	9,026	90.1	90.8	8,029	8,280	89.3	90.1
25 to 54 years	35,974	36,675	94.3	94.5	35,040	35,735	94.2	94.4
25 to 34 years	15,014	15,557	95.7	95.9	14,407	14,941	95.6	95.8
35 to 44 years	10,583	10,862	95.0	95.7	10,293	10,576	94.8	95.6
45 to 54 years	10,378	10,257	91.7	91.4	10,339	10,218	91.7	91.4
55 to 64 years	6,960	7,042	74.4	74.0	6,959	7,041	74.4	74.0
55 to 59 years	4,215	4,338	83.3	83.5	4,213	4,337	83.3	83.4
60 to 64 years	2,746	2,704	64.0	62.6	2,746	2,704	64.0	62.6
65 years and over	1,824	1,829	20.4	19.9	1,824	1,829	20.4	19.9
White								
16 years and over	53,200	54,285	80.5	80.9	51,510	52,631	80.0	80.4
16 to 19 years	5,358	5,603	74.1	77.4	5,070	5,335	73.0	76.5
16 to 17 years	2,244	2,407	62.6	66.9	2,220	2,383	62.3	66.7
18 to 19 years	3,113	3,196	85.3	87.8	2,850	2,951	84.2	87.0
20 to 24 years	7,693	7,911	91.2	92.1	7,087	7,317	90.5	91.5
25 to 54 years	32,119	32,662	94.9	95.1	31,325	31,873	94.8	94.9
25 to 34 years	13,338	13,790	96.3	96.4	12,826	13,278	96.1	96.2
35 to 44 years	9,418	9,641	95.5	96.1	9,171	9,399	95.4	96.0
45 to 54 years	9,363	9,230	92.5	92.2	9,328	9,196	92.5	92.1
55 to 64 years	6,395	6,450	75.4	74.8	6,393	6,449	75.4	74.8
55 to 59 years	3,857	3,963	84.2	84.3	3,855	3,961	84.2	84.3
60 to 64 years	2,538	2,488	65.2	63.4	2,538	2,488	65.2	63.4
65 years and over	1,635	1,659	20.3	20.0	1,635	1,659	20.3	20.0
Black and other								
16 years and over	6,358	6,620	73.8	74.9	6,018	6,261	72.8	73.9
16 to 19 years	660	730	52.6	57.7	608	673	50.5	55.7
16 to 17 years	280	317	43.5	49.0	277	313	43.3	48.6
18 to 19 years	381	413	62.1	67.0	331	360	58.8	63.8
20 to 24 years	1,089	1,115	83.6	83.0	942	963	81.5	80.9
25 to 54 years	3,855	4,014	89.5	90.6	3,714	3,863	89.1	90.2
25 to 34 years	1,676	1,766	91.9	92.6	1,581	1,663	91.4	92.2
35 to 44 years	1,165	1,220	90.5	92.6	1,122	1,177	90.2	92.4
45 to 54 years	1,014	1,027	84.7	85.0	1,011	1,023	84.7	84.9
55 to 64 years	566	592	64.7	66.3	566	592	64.7	66.3
55 to 59 years	358	375	74.9	75.3	358	375	74.9	75.3
60 to 64 years	208	217	52.4	55.1	208	217	52.4	55.1
65 years and over	188	170	21.6	18.9	188	170	21.6	18.9

A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
FEMALES								
16 years and over	38,693	40,358	47.6	48.9	38,586	40,243	47.6	48.8
16 to 19 years	4,749	4,998	57.1	60.0	4,729	4,980	57.0	59.9
16 to 17 years	2,006	2,089	48.9	50.7	2,006	2,088	48.9	50.7
18 to 19 years	2,742	2,909	65.2	69.1	2,723	2,892	65.1	69.0
20 to 24 years	6,507	6,827	67.0	68.8	6,448	6,764	66.8	68.6
25 to 54 years	22,192	23,240	55.6	57.3	22,164	23,206	55.5	57.2
25 to 34 years	8,897	9,627	55.5	58.1	8,873	9,597	55.4	58.0
35 to 44 years	6,701	7,024	57.0	58.6	6,698	7,020	57.0	58.6
45 to 54 years	6,594	6,590	54.3	54.9	6,593	6,589	54.3	54.8
55 to 64 years	4,214	4,264	40.2	40.1	4,214	4,264	40.2	40.1
55 to 59 years	2,648	2,685	47.5	47.0	2,648	2,685	47.5	47.0
60 to 64 years	1,566	1,579	31.9	32.0	1,566	1,579	31.9	32.0
65 years and over	1,031	1,029	8.0	7.9	1,031	1,029	8.0	7.9
White								
16 years and over	33,583	34,993	47.2	48.5	33,495	34,899	47.1	48.4
16 to 19 years	4,239	4,423	60.3	62.9	4,222	4,407	60.2	62.8
16 to 17 years	1,781	1,848	51.5	53.3	1,781	1,847	51.5	53.3
18 to 19 years	2,458	2,575	68.8	72.2	2,441	2,560	68.7	72.1
20 to 24 years	5,612	5,894	67.7	69.8	5,564	5,844	67.6	69.7
25 to 54 years	19,016	19,936	54.7	56.6	18,993	19,909	54.7	56.5
25 to 34 years	7,497	8,160	54.1	57.1	7,477	8,136	54.1	57.0
35 to 44 years	5,712	6,003	56.2	58.0	5,709	6,001	56.2	58.0
45 to 54 years	5,807	5,773	54.1	54.5	5,806	5,772	54.1	54.5
55 to 64 years	3,808	3,818	40.3	39.8	3,808	3,818	40.3	39.8
55 to 59 years	2,398	2,412	47.8	47.0	2,398	2,412	47.8	47.0
60 to 64 years	1,410	1,407	31.8	31.6	1,410	1,407	31.8	31.6
65 years and over	908	921	7.8	7.8	908	921	7.8	7.8
Black and other								
16 years and over	5,110	5,366	50.8	51.8	5,091	5,344	50.7	51.7
16 to 19 years	510	576	39.9	44.6	507	573	39.8	44.5
16 to 17 years	225	241	34.9	37.1	225	241	34.9	37.1
18 to 19 years	285	335	45.0	52.2	282	332	44.8	52.0
20 to 24 years	896	933	62.6	63.0	884	920	62.3	62.7
25 to 54 years	3,177	3,304	61.4	62.0	3,173	3,297	61.4	61.9
25 to 34 years	1,400	1,467	63.9	64.1	1,396	1,461	63.9	64.0
35 to 44 years	990	1,020	62.4	62.6	989	1,020	62.4	62.6
45 to 54 years	787	817	56.4	57.8	787	816	56.4	57.8
55 to 64 years	405	446	39.4	42.4	405	445	39.4	42.4
55 to 59 years	249	273	44.9	47.4	249	273	44.9	47.4
60 to 64 years	156	172	33.0	36.3	156	172	33.0	36.3
65 years and over	123	108	10.6	9.0	123	108	10.6	9.0

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A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	June 1977						
	Civilian labor force						Not in labor force
	Total	Employed			Unemployed		
		Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
Total							
16 years and over	10,020	8,503	222	8,281	1,517	15.1	6,289
16 to 19 years	1,107	567	32	535	540	48.7	1,118
16 to 17 years	498	222	20	202	276	55.4	670
18 to 19 years	609	345	12	333	264	43.3	449
20 to 24 years	1,635	1,238	38	1,200	397	24.3	669
25 to 64 years	6,095	5,566	106	5,461	528	8.7	2,062
25 to 34 years	2,660	2,368	34	2,335	292	11.0	747
35 to 44 years	1,874	1,727	26	1,702	147	7.8	610
45 to 64 years	1,561	1,471	46	1,425	89	5.7	706
55 to 64 years	925	875	35	841	49	5.3	819
55 to 59 years	579	544	22	522	35	6.1	390
60 to 64 years	346	332	13	319	14	4.1	429
65 years and over	258	256	12	243	3	1.1	1,620
Males							
16 years and over	5,366	4,628	175	4,452	738	13.8	1,974
16 to 19 years	606	342	26	315	264	43.6	481
16 to 17 years	284	139	14	125	145	51.0	304
18 to 19 years	322	203	12	190	120	37.2	177
20 to 24 years	827	630	21	609	197	23.8	192
25 to 64 years	3,264	3,018	86	2,933	246	7.5	383
25 to 34 years	1,393	1,262	29	1,233	131	9.4	114
35 to 44 years	996	923	25	900	73	7.3	93
45 to 64 years	875	833	34	800	42	4.8	176
55 to 64 years	514	485	30	455	29	5.6	282
55 to 59 years	324	304	19	285	20	6.1	119
60 to 64 years	190	181	11	170	9	4.6	163
65 years and over	155	152	12	140	3	1.6	636
Females							
16 years and over	4,654	3,875	47	3,829	779	16.7	4,316
16 to 19 years	501	226	5	220	275	55.0	637
16 to 17 years	214	83	5	77	131	61.3	366
18 to 19 years	287	143	0	143	144	50.2	272
20 to 24 years	808	607	17	591	200	24.8	477
25 to 64 years	2,831	2,549	20	2,528	283	10.0	1,680
25 to 34 years	1,268	1,107	5	1,102	161	12.7	634
35 to 44 years	878	804	2	802	74	8.4	516
45 to 64 years	686	638	13	625	48	7.0	530
55 to 64 years	411	390	5	386	21	5.0	537
55 to 59 years	255	239	3	237	15	6.0	271
60 to 64 years	156	151	2	149	6	3.5	266
65 years and over	104	103	--	103	--	--	984

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

A-6. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
TOTAL								
Total noninstitutional population	155,925	158,456	66,182	67,431	72,944	74,198	16,799	16,827
Total labor force	98,251	101,264	53,541	54,573	33,944	35,360	10,767	11,331
Percent of population	63.0	63.9	80.9	80.9	46.5	47.7	64.1	67.3
Civilian labor force	96,114	99,135	51,851	52,885	33,857	35,263	10,407	10,987
Employed	88,460	91,682	48,871	50,308	31,429	32,755	8,160	8,620
Agriculture	3,780	3,820	2,588	2,536	596	690	596	594
Nonagricultural industries	84,680	87,862	46,283	47,772	30,833	32,064	7,564	8,025
Unemployed	7,655	7,453	2,980	2,577	2,428	2,508	2,247	2,367
Percent of labor force	8.0	7.5	5.7	4.9	7.2	7.1	21.6	21.5
Not in labor force	57,674	57,192	12,641	12,858	39,000	38,838	6,032	5,495
White								
Total noninstitutional population	137,251	139,270	58,825	59,861	64,158	65,137	14,267	14,272
Total labor force	86,783	89,278	47,843	48,682	29,244	30,570	9,597	10,026
Percent of population	63.2	64.1	81.3	81.3	45.7	46.9	67.3	70.3
Civilian labor force	85,005	87,530	46,440	47,297	29,272	30,492	9,292	9,742
Employed	78,987	81,749	44,051	45,260	27,365	28,548	7,571	7,941
Agriculture	3,490	3,543	2,384	2,350	548	635	558	558
Nonagricultural industries	75,496	78,206	41,666	42,910	26,817	27,913	7,013	7,383
Unemployed	6,018	5,781	2,390	2,037	1,907	1,944	1,721	1,800
Percent of labor force	7.1	6.6	5.1	4.3	6.5	6.4	18.5	18.5
Not in labor force	50,468	49,992	10,983	11,179	34,814	34,567	4,670	4,246
Black and other								
Total noninstitutional population	18,674	19,186	7,356	7,570	8,786	9,061	2,532	2,555
Total labor force	11,468	11,986	5,698	5,891	4,600	4,790	1,170	1,305
Percent of population	61.4	62.5	77.5	77.8	52.4	52.9	46.2	51.1
Civilian labor force	11,110	11,605	5,410	5,588	4,585	4,771	1,115	1,246
Employed	9,473	9,933	4,821	5,048	4,064	4,207	589	678
Agriculture	289	277	204	186	48	55	37	36
Nonagricultural industries	9,184	9,656	4,617	4,862	4,016	4,151	551	642
Unemployed	1,637	1,671	590	540	521	564	526	567
Percent of labor force	14.7	14.4	10.9	9.7	11.4	11.8	47.2	45.5
Not in labor force	7,206	7,200	1,658	1,679	4,185	4,271	1,362	1,250

A-7. Employment status of the noninstitutional population 16-21 years of age by race and sex

[Numbers in thousands]

Employment status	June 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,166	12,710	12,456	21,390	10,851	10,540	3,775	1,859	1,916
Total labor force	17,991	10,090	7,901	15,834	8,881	6,952	2,157	1,208	949
Percent of population	71.5	79.4	63.4	74.0	81.9	66.0	57.1	65.0	49.5
Civilian labor force	17,242	9,389	7,853	15,223	8,311	6,912	2,019	1,079	941
Employed	14,062	7,743	6,318	12,826	7,064	5,762	1,236	679	557
Agriculture	807	641	166	755	601	153	52	39	13
Nonagricultural industries	13,255	7,102	6,152	12,071	6,463	5,608	1,184	640	544
Unemployed	3,181	1,646	1,535	2,397	1,246	1,151	783	399	384
Percent of labor force	18.4	17.5	19.5	15.7	15.0	16.6	38.8	37.0	40.8
Looking for full-time work	2,382	1,268	1,115	1,773	951	822	609	316	293
Looking for part-time work	798	378	420	624	295	329	174	83	91
Not in labor force	7,175	2,620	4,555	5,557	1,969	3,587	1,618	651	967
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	1,202	619	583	1,019	530	488	183	89	94
Employed	816	412	404	726	374	352	90	38	52
Agriculture	31	24	7	30	23	7	1	1	--
Nonagricultural industries	785	388	396	696	351	344	89	37	52
Unemployed	386	207	179	293	156	137	93	51	42
Percent of labor force	32.1	33.4	30.7	28.7	29.4	28.0	50.8	57.3	44.7
Looking for full-time work	189	112	78	144	85	58	46	26	19
Looking for part-time work	197	95	101	149	71	79	48	25	23
Not in labor force	2,681	1,255	1,426	1,968	916	1,053	713	339	374
MAJOR ACTIVITY: OTHER									
Civilian labor force	16,040	8,770	7,270	14,204	7,780	6,424	1,836	990	846
Employed	13,246	7,331	5,915	12,100	6,690	5,410	1,146	641	504
Agriculture	776	617	159	724	579	146	51	38	13
Nonagricultural industries	12,470	6,714	5,756	11,376	6,111	5,264	1,094	603	492
Unemployed	2,795	1,439	1,355	2,104	1,090	1,014	690	348	342
Percent of labor force	17.4	16.4	18.6	14.8	14.0	15.8	37.6	35.2	40.4
Looking for full-time work	2,193	1,156	1,037	1,629	866	763	564	290	274
Looking for part-time work	602	283	319	475	225	250	127	58	68
Not in labor force	4,493	1,365	3,129	3,588	1,054	2,535	905	311	594

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A-8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

Race, sex, and age	June 1977								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	86,231	75,918	4,193	6,120	7.1	12,904	11,571	1,333	10.3
16 to 21 years	13,085	8,925	1,778	2,382	18.2	4,157	3,359	798	19.2
16 to 19 years	7,597	4,553	1,355	1,689	22.2	3,390	2,711	679	20.0
16 to 17 years	2,639	1,240	653	746	28.3	2,145	1,644	501	23.4
18 to 19 years	4,957	3,314	701	942	19.0	1,245	1,068	177	14.3
20 years and over	78,634	71,634	2,838	4,431	5.6	9,514	8,860	654	6.9
20 to 24 years	13,465	11,181	811	1,472	10.9	1,579	1,363	217	13.7
25 years and over	65,169	60,183	2,027	2,959	4.5	7,935	7,497	437	5.5
25 to 54 years	53,558	49,409	1,583	2,566	4.8	5,383	5,058	325	6.0
55 years and over	11,611	10,774	443	393	3.4	2,552	2,439	112	4.4
Males, 16 years and over	54,943	49,546	2,119	3,278	6.0	3,949	3,430	519	13.2
16 to 21 years	7,490	5,302	920	1,268	16.9	1,899	1,521	378	19.9
16 to 19 years	4,420	2,821	704	895	20.2	1,587	1,261	326	20.5
20 years and over	50,523	46,725	1,414	2,383	4.7	2,362	2,168	194	8.2
20 to 24 years	7,679	6,464	421	794	10.3	601	514	86	14.4
25 years and over	42,844	40,261	993	1,589	3.7	1,761	1,654	108	6.1
25 to 54 years	35,053	32,921	761	1,369	3.9	683	623	59	8.6
55 years and over	7,791	7,340	232	219	2.8	1,079	1,031	48	4.4
Females, 16 years and over	31,288	26,371	2,074	2,842	9.1	8,955	8,142	813	9.1
16 to 21 years	5,596	3,622	858	1,115	19.9	2,258	1,838	420	18.6
16 to 19 years	3,176	1,732	650	794	25.0	1,803	1,450	353	19.6
20 years and over	28,111	24,639	1,424	2,048	7.3	7,152	6,691	460	6.4
20 to 24 years	5,785	4,717	390	678	11.7	978	848	130	13.3
25 years and over	22,326	19,922	1,034	1,370	6.1	6,174	5,843	330	5.3
25 to 54 years	18,506	16,487	822	1,196	6.5	4,701	4,435	266	5.7
55 years and over	3,820	3,434	212	175	4.6	1,473	1,408	64	4.3
White									
Males, 16 years and over	49,126	44,794	1,764	2,568	5.2	3,505	3,098	407	11.6
16 to 21 years	6,616	4,875	790	951	14.4	1,695	1,400	295	17.4
16 to 19 years	3,920	2,627	610	683	17.4	1,414	1,159	255	18.0
20 years and over	45,206	42,167	1,154	1,885	4.2	2,091	1,939	152	7.3
20 to 24 years	6,781	5,833	353	596	8.8	535	470	66	12.2
25 years and over	38,425	36,334	801	1,289	3.4	1,556	1,469	86	5.5
25 to 54 years	31,286	29,573	614	1,099	3.5	587	543	44	7.5
55 years and over	7,139	6,762	188	190	2.7	969	926	43	4.4
Females, 16 years and over	26,831	22,929	1,752	2,150	8.0	8,067	7,411	657	8.1
16 to 21 years	4,895	3,300	773	822	16.8	2,017	1,689	329	16.3
16 to 19 years	2,777	1,608	589	579	20.9	1,630	1,347	283	17.4
20 years and over	24,054	21,321	1,163	1,570	6.5	6,438	6,064	374	5.8
20 to 24 years	4,973	4,145	332	495	10.0	871	770	101	11.6
25 years and over	19,081	17,176	831	1,075	5.6	5,567	5,294	273	4.9
25 to 54 years	15,625	14,061	645	918	5.9	4,285	4,068	216	5.0
55 years and over	3,457	3,115	186	156	4.5	1,283	1,225	56	4.4
Black and other									
Males, 16 years and over	5,817	4,752	355	710	12.2	444	331	113	25.4
16 to 21 years	874	428	130	316	36.2	205	121	83	40.7
16 to 19 years	500	194	94	212	42.4	173	102	71	40.9
20 years and over	5,317	4,558	260	498	9.4	271	229	42	15.5
20 to 24 years	898	631	68	199	22.1	65	44	21	(2)
25 years and over	4,419	3,927	192	299	6.8	206	185	21	10.2
25 to 54 years	3,767	3,348	148	270	7.2	96	80	16	16.7
55 years and over	652	578	45	29	4.4	110	104	5	4.5
Females, 16 years and over	4,456	3,442	322	692	15.5	888	731	157	17.7
16 to 21 years	701	322	86	293	41.8	240	149	91	37.9
16 to 19 years	399	124	61	214	53.7	174	103	70	40.5
20 years and over	4,057	3,319	261	478	11.8	714	627	86	12.1
20 to 24 years	813	572	58	183	22.5	107	78	29	27.2
25 years and over	3,244	2,747	203	295	9.1	607	549	57	9.4
25 to 54 years	2,881	2,426	177	278	9.6	416	366	50	12.0
55 years and over	364	319	26	17	4.7	190	183	7	3.7

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

² Percent not shown where base is less than 75,000.

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A-9. Unemployed persons by sex and age

Age	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total, 16 years and over	4,140	3,797	7.2	6.4	3,515	3,655	9.1	9.1
16 to 19 years	1,160	1,220	20.4	20.3	1,087	1,147	23.0	23.0
16 to 17 years	610	676	24.4	25.1	579	571	28.9	27.4
18 to 19 years	551	544	17.3	16.4	508	576	18.7	19.9
20 years and over	2,980	2,577	5.7	4.9	2,428	2,508	7.2	7.1
20 to 24 years	995	881	12.4	10.6	796	808	12.3	11.9
25 years and over	1,985	1,696	4.5	3.8	1,632	1,700	6.0	6.0
25 to 34 years	846	781	5.9	5.2	713	717	8.0	7.5
35 to 44 years	390	349	3.8	3.3	380	398	5.7	5.7
45 to 54 years	370	298	3.6	2.9	299	347	4.5	5.3
55 to 64 years	281	193	4.0	2.7	197	184	4.7	4.3
55 to 59 years	166	114	3.9	2.6	128	115	4.8	4.3
60 to 64 years	114	79	4.2	2.9	69	69	4.4	4.4
65 years and over	98	75	5.4	4.1	44	54	4.3	5.2
Household heads, 16 years and over	2,004	1,620	4.4	3.5	586	605	6.9	6.7
16 to 24 years	354	273	8.3	6.4	116	124	9.7	9.5
25 to 54 years	1,296	1,089	4.0	3.3	387	376	7.5	6.8
55 years and over	354	258	4.2	3.0	83	105	3.8	4.8

A-10. Unemployed persons by marital status, sex, age, and race

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total, 16 years and over	4,140	3,797	7.2	6.4	3,515	3,655	9.1	9.1
Married, spouse present	1,578	1,245	4.0	3.1	1,431	1,398	6.7	6.4
Widowed, divorced, or separated	323	326	8.3	8.0	522	544	7.5	7.4
Single (never married)	2,238	2,226	16.2	14.9	1,562	1,713	15.2	15.4
White, 16 years and over	3,274	2,975	6.4	5.7	2,744	2,807	8.2	8.0
Married, spouse present	1,316	1,034	3.6	2.8	1,210	1,172	6.3	6.0
Widowed, divorced, or separated	231	253	7.3	7.6	378	410	6.7	6.8
Single (never married)	1,728	1,688	14.3	13.0	1,155	1,225	13.1	12.9
Black and other, 16 years and over	865	822	14.4	13.1	771	849	15.1	15.9
Married, spouse present	262	211	7.5	5.8	221	227	9.8	9.6
Widowed, divorced, or separated	92	73	12.3	9.7	144	134	10.6	9.9
Single (never married)	510	538	29.0	28.6	406	488	27.6	30.0
Total, 20 to 64 years of age	2,882	2,502	5.8	4.9	2,384	2,454	7.3	7.2
Married, spouse present	1,461	1,159	3.8	3.0	1,338	1,305	6.5	6.2
Widowed, divorced, or separated	301	321	8.3	8.3	484	501	7.7	7.4
Single (never married)	1,119	1,022	13.4	11.3	563	649	9.5	10.1
White, 20 to 64 years of age	2,311	1,964	5.2	4.3	1,864	1,890	6.6	6.4
Married, spouse present	1,216	953	3.5	2.7	1,131	1,084	6.1	5.8
Widowed, divorced, or separated	215	248	7.3	7.9	343	369	6.8	6.8
Single (never married)	880	764	12.2	9.8	391	438	7.9	8.2
Black and other, 20 to 64 years of age	571	538	10.9	9.9	520	564	11.7	12.1
Married, spouse present	245	206	7.3	5.9	207	221	9.4	9.6
Widowed, divorced, or separated	86	73	12.3	10.2	142	132	11.2	10.3
Single (never married)	239	258	20.6	21.2	172	211	17.2	19.7

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A-11. Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total	7,655	7,453	8.0	7.5	7.2	6.4	9.1	9.1
White-collar workers	2,147	2,080	4.7	4.5	3.7	3.1	5.7	5.8
Professional and technical	461	473	3.5	3.5	2.8	2.5	4.3	4.8
Managers and administrators, except farm	295	262	3.1	2.7	2.8	2.1	4.2	4.6
Sales workers	317	325	5.4	5.4	3.9	3.8	7.3	7.4
Clerical workers	1,074	1,019	6.5	6.0	7.3	5.8	6.2	6.1
Blue-collar workers	2,881	2,477	8.8	7.3	8.1	6.6	11.8	10.5
Craft and kindred workers	766	627	6.3	4.9	6.2	4.8	7.5	6.4
Carpenters and other construction craft	390	307	10.0	7.5	10.0	7.5	(1)	(1)
All other	376	320	4.5	3.7	4.2	3.5	7.2	5.8
Operatives, except transport	1,219	1,060	10.5	9.2	9.0	7.9	12.8	11.1
Transport equipment operatives	252	204	7.0	5.4	7.1	5.2	5.5	9.0
Nonfarm laborers	644	586	11.9	10.2	12.1	10.1	9.5	11.2
Construction laborers	202	155	18.8	13.3	18.9	13.7	(1)	(1)
All other	442	431	10.2	9.4	10.3	9.1	9.6	11.9
Service workers	1,216	1,224	9.2	8.8	9.0	8.0	9.3	9.3
Private household	77	76	6.5	6.3	--	(1)	6.7	6.3
All other	1,138	1,148	9.4	9.0	9.0	8.0	9.7	9.8
Farm workers	121	139	3.6	4.1	2.9	3.8	6.9	5.5
No previous work experience	1,290	1,532	--	--	--	--	--	--
16 to 19 years	1,065	1,225	--	--	--	--	--	--
20 to 24 years	166	205	--	--	--	--	--	--
25 years and over	60	102	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-12. Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total	100.0	100.0	8.0	7.5	7.2	6.4	9.1	9.1
Nonagricultural private wage and salary workers	69.8	65.8	7.7	6.9	7.2	6.0	8.5	8.2
Mining	.4	.5	3.7	4.2	3.8	3.3	3.3	(1)
Construction	8.2	6.9	13.7	10.5	14.1	10.4	7.0	12.5
Manufacturing	20.7	17.7	7.4	6.1	6.2	4.9	10.0	8.8
Durable goods	11.8	9.2	7.1	5.4	6.4	4.8	9.6	7.1
Lumber and wood products	.7	.4	7.7	4.0	7.3	4.2	10.0	3.0
Furniture and fixtures	.5	.7	7.4	9.9	8.1	10.1	5.8	9.4
Stone, clay, and glass products	.6	.7	6.2	6.8	6.6	7.6	4.3	3.7
Primary metal industries	1.1	.8	5.9	4.1	5.8	4.2	7.2	3.9
Fabricated metal products	1.8	1.1	8.7	5.5	8.5	5.5	9.4	5.7
Machinery, except electrical equipment	1.9	1.5	6.3	4.7	5.9	4.6	8.2	5.0
Electrical equipment	1.8	1.7	6.4	5.7	4.2	4.1	9.5	8.0
Transportation equipment	2.0	1.2	7.4	4.0	7.1	3.5	9.4	6.7
Automobiles	.9	.5	6.6	3.1	6.6	2.8	6.7	4.3
Other transportation equipment	1.0	.7	8.5	5.4	7.6	4.4	12.2	10.0
Instruments and related products	.4	.4	6.5	4.9	3.3	4.0	11.5	6.3
Other durable goods industries	1.0	.8	10.5	9.6	6.8	6.8	17.3	13.2
Nondurable goods	8.8	8.5	7.7	7.2	5.8	5.1	10.6	10.3
Food and kindred products	2.0	2.4	8.5	9.3	6.3	6.2	13.7	16.6
Textile mill products	1.3	.8	9.9	6.1	7.1	6.7	13.0	5.5
Apparel and other textile products	1.8	2.0	9.4	10.9	8.7	7.1	9.6	11.8
Paper and allied products	.8	.5	8.6	5.4	8.2	3.3	9.9	11.7
Printing and publishing	.9	.9	5.1	5.2	3.9	5.7	7.1	4.3
Chemicals and allied products	.9	.5	5.7	3.4	3.5	2.8	11.7	5.3
Rubber and plastics products	.5	.7	6.2	7.7	4.2	5.6	10.0	11.6
Other nondurable goods industries	.8	.6	8.3	7.4	7.2	3.1	10.4	12.6
Transportation and public utilities	3.2	2.8	5.1	4.2	5.1	3.7	4.9	5.7
Railroads and railway express	.4	.2	4.7	2.6	4.8	2.8	(1)	(1)
Other transportation	2.2	1.8	7.4	5.8	7.6	5.3	6.5	8.0
Communication and other public utilities	.6	.8	2.4	2.8	1.4	1.9	4.1	4.5
Wholesale and retail trade	20.1	20.3	8.7	8.2	7.4	6.7	10.2	10.0
Finance, insurance, and real estate	2.7	2.5	4.5	3.9	4.4	3.0	4.6	4.6
Service industries	14.6	15.1	7.3	7.0	7.2	6.6	7.4	7.3
Professional services	6.0	6.4	5.5	5.5	5.1	4.0	5.6	6.2
All other service industries	8.6	8.7	9.5	8.9	8.9	8.7	10.0	9.0
Agricultural wage and salary workers	2.0	2.2	9.1	9.1	7.5	8.9	15.4	9.7
All other classes of workers	11.3	11.5	3.6	3.5	3.2	2.8	4.2	4.5
No previous work experience	16.9	20.5	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	7,655	7,453	2,980	2,577	2,428	2,508	2,247	2,367	6,018	5,781	1,637	1,671
Job losers	3,286	2,687	1,951	1,493	1,010	914	325	281	2,643	2,169	643	519
On layoff	845	677	487	340	282	273	76	64	716	566	129	111
Other job losers	2,441	2,011	1,464	1,152	728	641	249	217	1,927	1,603	514	408
Job leavers	839	894	321	300	393	439	124	155	714	774	125	120
Reentrants	2,244	2,339	616	643	891	990	737	707	1,706	1,755	538	584
New entrants	1,286	1,532	92	141	133	166	1,061	1,224	956	1,084	330	448
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	42.9	36.1	65.4	57.9	41.6	36.4	14.5	11.9	43.9	37.5	39.3	31.0
On layoff	11.0	9.1	16.3	13.2	11.6	10.9	3.4	2.7	11.9	9.8	7.9	6.6
Other job losers	31.9	27.0	49.1	44.7	30.0	25.5	11.1	9.2	32.0	27.7	31.4	24.4
Job leavers	11.0	12.0	10.8	11.6	16.2	17.5	5.5	6.6	11.9	13.4	7.6	7.2
Reentrants	29.3	31.4	20.7	24.9	36.7	39.5	32.8	29.9	28.3	30.4	32.9	35.0
New entrants	16.8	20.6	3.1	5.5	5.5	6.6	47.2	51.7	15.9	18.7	20.2	26.8
UNEMPLOYMENT RATE												
Total unemployment rate	8.0	7.5	5.7	4.9	7.2	7.1	21.6	21.5	7.1	6.6	14.7	14.4
Job loser rate ¹	3.4	2.7	3.7	2.8	3.0	2.6	3.1	2.6	3.1	2.4	5.8	4.5
Job leaver rate ¹ .....	.9	.9	.6	.6	1.2	1.2	1.2	1.4	.8	.9	1.1	1.0
Reentrant rate ¹	2.3	2.4	1.2	1.2	2.6	2.8	7.1	6.4	2.0	2.0	4.8	5.0
New entrant rate ¹	1.3	1.5	.2	.3	.4	.5	10.2	11.1	1.1	1.2	3.0	3.9

¹ Unemployment rates are calculated as a percent of the civilian labor force.

A-14. Unemployed persons by reason for unemployment, duration, sex, and age

[Percent distribution]

Reason, sex, and age	June 1977						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	7,453	100.0	52.6	22.8	24.7	10.9	13.8
Job losers	2,687	100.0	37.3	24.4	38.3	16.0	22.3
On layoff	677	100.0	55.6	20.4	24.0	12.1	11.9
Other job losers	2,011	100.0	31.2	25.8	43.1	17.3	25.8
Job leavers	894	100.0	54.3	18.7	27.0	10.9	16.1
Reentrants	2,339	100.0	59.4	23.9	16.7	8.8	7.9
New entrants	1,532	100.0	67.8	20.7	11.5	4.9	6.6
Males, 20 years and over	2,577	100.0	41.6	21.5	36.9	14.1	22.8
Job losers	1,493	100.0	33.6	22.6	43.8	16.9	26.9
On layoff	340	100.0	52.2	19.9	27.8	11.4	16.4
Other job losers	1,152	100.0	28.1	23.4	48.5	18.6	29.9
Job leavers	1,300	100.0	53.5	16.6	29.9	12.0	17.9
Reentrants	643	100.0	51.0	21.8	27.2	11.8	15.4
New entrants	141	100.0	57.7	17.6	24.6	--	24.6
Females, 20 years and over	2,508	100.0	48.2	26.3	25.4	11.7	13.7
Job losers	914	100.0	37.2	27.3	35.5	16.1	19.4
On layoff	273	100.0	56.8	20.9	22.3	13.9	8.4
Other job losers	641	100.0	28.9	30.1	41.0	17.0	24.0
Job leavers	439	100.0	49.9	19.2	30.9	11.4	19.5
Reentrants	990	100.0	55.7	28.9	15.5	8.9	6.6
New entrants	166	100.0	60.0	24.6	15.6	5.4	10.2
Both sexes, 16 to 19 years	2,367	100.0	69.0	20.5	10.4	6.4	4.1
Job losers	281	100.0	57.3	24.9	17.8	10.3	7.5
On layoff	64	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers	217	100.0	54.1	26.1	19.7	11.0	8.7
Job leavers	155	100.0	68.8	20.8	10.4	7.8	2.6
Reentrants	707	100.0	72.1	18.8	9.1	6.1	3.0
New entrants	1,224	100.0	70.0	20.6	9.5	5.5	4.0

¹ Percent not shown where base is less than 75,000.

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A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

Sex, age, and race	June 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,453	6,516	26.7	6.7	73.1	28.5	13.1	7.1	1.55
16 to 19 years	2,367	2,207	19.3	3.9	78.9	23.2	12.3	5.4	1.43
20 to 24 years	1,689	1,484	31.4	8.3	73.5	32.7	12.9	5.6	1.64
25 to 34 years	1,498	1,290	31.7	9.0	71.8	32.5	13.9	7.1	1.66
35 to 44 years	748	613	31.6	9.3	68.7	31.3	12.4	8.0	1.61
45 to 54 years	645	520	26.2	7.1	58.8	27.7	15.0	13.3	1.48
55 to 64 years	377	285	28.4	5.3	68.8	26.3	12.6	15.1	1.57
65 years and over	129	117	22.2	4.3	66.7	25.6	19.7	5.1	1.44
Males, 16 years and over	3,797	3,289	29.2	7.1	73.3	26.7	15.3	9.1	1.61
16 to 19 years	1,220	1,138	19.2	3.5	79.5	20.0	13.7	6.1	1.42
20 to 24 years	881	757	33.6	7.0	77.0	31.4	16.2	6.9	1.72
25 to 34 years	781	658	38.0	12.9	70.1	32.2	16.3	8.1	1.78
35 to 44 years	349	282	41.1	11.3	66.7	34.4	13.8	13.1	1.80
45 to 54 years	298	237	27.4	5.5	57.8	22.4	18.1	21.1	1.52
55 to 64 years	193	145	26.2	6.2	64.8	22.8	13.8	22.8	1.57
65 years and over	75	72	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Females, 16 years and over	3,655	3,227	24.2	6.3	72.8	30.3	11.0	5.0	1.50
16 to 19 years	1,147	1,069	19.5	4.2	78.4	26.6	10.9	4.7	1.44
20 to 24 years	808	727	29.2	9.6	69.9	34.0	9.4	4.1	1.56
25 to 34 years	717	632	25.2	4.9	73.7	32.8	11.4	6.2	1.54
35 to 44 years	398	331	23.6	7.6	70.4	29.0	11.2	3.9	1.46
45 to 54 years	347	283	25.1	8.5	60.1	32.2	12.7	6.7	1.45
55 to 64 years	184	141	30.5	4.3	73.0	29.8	11.3	7.1	1.56
65 years and over	54	45	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	5,781	4,978	24.2	6.3	74.3	30.6	13.1	6.9	1.55
Males	2,975	2,557	27.5	6.6	73.8	28.4	15.4	9.2	1.61
Females	2,807	2,421	20.8	5.9	74.9	32.8	10.8	4.4	1.50
Black and other	1,671	1,538	34.8	8.1	69.1	21.8	13.1	7.8	1.55
Males	822	732	35.1	9.0	71.9	20.8	15.0	8.9	1.61
Females	849	806	34.4	7.3	66.6	22.7	11.5	6.8	1.49

¹ Percent not shown where base is less than 75,000.

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

Sex and reason	June 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	7,453	6,516	26.7	6.7	73.1	28.5	13.1	7.1	1.55
Job losers	2,687	2,004	34.0	8.5	71.1	33.2	14.6	9.5	1.71
Job leavers	894	881	31.8	7.2	70.8	32.6	10.9	4.9	1.58
Reentrants	2,339	2,150	22.9	6.5	71.1	28.2	12.9	7.1	1.49
New entrants	1,532	1,481	19.2	4.3	79.9	20.2	12.7	5.1	1.41
Males, 16 years and over	3,797	3,289	29.2	7.1	73.3	26.7	15.3	9.1	1.61
Job losers	1,667	1,288	34.2	9.2	70.3	31.8	16.0	11.5	1.73
Job leavers	379	370	34.1	6.8	73.0	28.4	13.2	8.1	1.64
Reentrants	1,012	918	25.9	6.4	71.5	26.5	16.1	9.0	1.55
New entrants	739	712	21.8	4.5	81.5	17.0	14.0	5.5	1.44
Females, 16 years and over	3,655	3,227	24.2	6.3	72.8	30.3	11.0	5.0	1.50
Job losers	1,020	716	33.8	7.1	72.5	35.8	12.2	6.0	1.67
Job leavers	515	510	30.0	7.5	69.4	35.5	9.2	2.5	1.54
Reentrants	1,327	1,231	20.6	6.6	71.0	29.5	10.6	5.8	1.44
New entrants	793	769	16.9	4.2	78.4	23.1	11.4	4.7	1.39

NOTE: See note, table A-15.

A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Household heads			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total	7,655	7,453	100.0	100.0	2,590	2,226	100.0	100.0
Less than 5 weeks	3,497	3,917	45.7	52.6	848	850	32.7	38.2
5 to 14 weeks	1,861	1,699	24.3	22.8	660	552	25.5	24.8
5 to 10 weeks	1,381	1,252	18.0	16.8	496	365	19.2	16.4
11 to 14 weeks	480	447	6.3	6.0	164	187	6.3	8.4
15 weeks and over	2,297	1,836	30.0	24.6	1,082	824	41.8	37.0
15 to 26 weeks	905	809	11.8	10.9	363	329	14.0	14.8
27 weeks and over	1,392	1,028	18.2	13.8	720	495	27.8	22.2
27 to 51 weeks	734	509	9.6	6.8	392	256	15.1	11.5
52 weeks and over	658	519	8.6	7.0	327	239	12.6	10.7
Average (mean) duration	15.1	12.9	--	--	20.4	18.3	--	--

A-18. Unemployed persons by duration, sex, age, race, and marital status

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		June 1976	June 1977	June 1976	June 1977
	June 1977						June 1976	June 1977	June 1976	June 1977
Total, 16 years and over	7,453	3,917	1,699	809	1,028	12.9	45.7	52.6	30.0	24.6
16 to 21 years	3,181	2,095	675	218	192	7.9	60.6	65.9	15.2	12.9
16 to 19 years	2,367	1,634	486	151	96	6.8	64.5	69.0	12.0	10.4
20 to 24 years	1,689	919	386	192	192	11.4	47.3	54.4	29.2	22.7
25 to 34 years	1,498	642	394	204	257	15.6	37.2	42.9	37.2	30.8
35 to 44 years	748	303	174	103	168	18.1	31.5	40.5	41.4	36.2
45 to 54 years	645	260	132	101	151	18.7	30.1	40.4	44.6	39.2
55 to 64 years	377	118	98	38	123	23.3	29.9	31.4	48.0	42.5
65 years and over	129	40	29	19	41	24.0	23.4	30.8	53.9	46.7
Males, 16 years and over	3,797	1,884	828	451	634	14.6	42.2	49.6	33.9	28.6
16 to 21 years	1,646	1,058	337	120	131	8.9	58.3	64.3	17.8	15.2
16 to 19 years	1,220	810	276	88	46	7.0	62.5	66.4	14.5	11.0
20 to 24 years	881	476	153	109	143	13.4	44.6	54.1	32.6	28.6
25 to 34 years	781	295	191	123	171	18.4	32.0	37.8	42.0	37.7
35 to 44 years	349	120	74	53	102	22.4	28.8	34.3	48.1	44.6
45 to 54 years	298	100	65	51	82	21.1	24.6	33.7	47.0	44.7
55 to 64 years	193	54	55	18	66	24.8	29.1	28.1	49.7	43.6
65 years and over	75	27	16	8	24	23.4	22.1	36.5	57.3	42.5
Females, 16 years and over	3,655	2,034	871	357	394	11.2	49.8	55.6	25.4	20.5
16 to 21 years	1,535	1,037	338	98	62	6.9	63.2	67.6	12.4	10.4
16 to 19 years	1,147	824	210	63	50	6.6	66.7	71.8	9.4	9.8
20 to 24 years	808	443	233	83	49	9.2	50.8	54.9	25.0	16.3
25 to 34 years	717	347	203	81	86	12.5	43.3	48.4	31.6	23.3
35 to 44 years	398	183	100	50	66	14.4	34.2	46.0	34.5	29.0
45 to 54 years	347	160	67	50	69	16.7	36.9	46.1	41.7	34.4
55 to 64 years	184	64	44	19	57	21.6	31.1	34.9	45.7	41.4
65 years and over	54	12	13	11	17	25.0	(1)	(1)	(1)	(1)
White	5,781	3,039	1,298	613	832	13.0	44.8	52.6	30.7	25.0
Males	2,975	1,480	646	337	513	14.7	41.4	49.7	34.3	28.6
Females	2,807	1,559	652	276	319	11.3	48.8	55.5	26.5	21.2
Black and other	1,671	878	401	196	196	12.5	48.9	52.6	27.3	23.4
Males	822	404	183	114	121	14.3	45.0	49.1	32.5	28.7
Females	849	475	219	81	74	10.8	53.3	55.9	21.6	18.3
Males:										
Married, spouse present	1,245	465	272	190	318	19.7	28.8	37.3	44.6	40.8
Widowed, divorced, or separated	326	107	91	52	76	18.4	29.3	32.9	47.1	39.1
Single (never married)	2,226	1,311	465	210	241	11.1	53.5	58.9	24.5	20.2
Females:										
Married, spouse present	1,398	714	345	137	202	13.0	41.5	51.1	33.3	24.3
Widowed, divorced, or separated	544	216	154	83	91	15.7	36.4	39.6	33.0	32.0
Single (never married)	1,713	1,104	372	137	100	8.3	61.9	64.4	15.6	13.9

¹ Percent not shown where base is less than 75,000.

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A-19. Unemployed persons by duration, occupation, and industry of last job

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over		June 1976	June 1977	June 1976	June 1977
	June 1977									
OCCUPATION										
White-collar workers	2,080	951	540	277	312	14.2	40.6	45.7	32.8	28.3
Professional and managerial	735	328	166	105	137	16.0	38.0	44.6	37.6	32.8
Sales workers	325	161	79	48	38	12.3	44.2	49.4	22.8	26.5
Clerical workers	1,019	462	296	124	137	13.4	41.4	45.4	32.3	25.6
Blue-collar workers	2,477	1,169	526	332	450	15.5	36.5	47.2	38.2	31.6
Craft and kindred workers	627	286	130	84	127	16.0	32.4	45.7	41.8	33.7
Operatives, except transport	1,060	498	257	137	168	14.3	36.5	47.0	38.1	28.7
Transport equipment operatives	204	90	32	27	56	19.1	32.6	44.0	41.2	40.3
Nonfarm laborers	586	295	106	85	99	16.0	43.0	50.4	32.8	31.5
Service workers	1,224	675	284	110	155	11.7	50.8	55.1	26.3	21.7
INDUSTRY¹										
Agriculture	161	92	36	17	15	9.9	61.4	57.5	18.5	20.1
Construction	537	246	104	74	113	17.1	35.8	45.8	37.6	34.7
Manufacturing	1,320	580	331	183	227	15.1	33.1	43.9	42.7	31.0
Durable goods	686	294	147	106	138	17.0	30.6	42.8	46.2	35.7
Nondurable goods	635	286	184	77	88	13.2	36.6	45.1	38.0	26.0
Transportation and public utilities	247	112	50	34	51	16.7	35.0	45.2	41.0	34.6
Wholesale and retail trade	1,522	729	385	196	212	13.2	43.2	47.9	31.9	26.8
Finance and service industries	1,792	954	416	174	246	12.5	47.1	53.2	26.8	23.5
Public administration	217	100	36	31	50	17.3	45.2	46.1	29.4	37.2
No previous work experience	1,532	1,038	318	75	101	8.2	68.0	67.8	11.7	11.5

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
	All industries	88,460	91,682	53,389	55,095	35,071	36,587
16 to 19 years	8,160	8,620	4,518	4,787	3,642	3,833
16 to 17 years	3,314	3,537	1,887	2,020	1,427	1,517
18 to 19 years	4,846	5,083	2,631	2,767	2,215	2,316
20 to 24 years	12,686	13,355	7,034	7,399	5,652	5,956
25 to 54 years	54,206	56,051	33,433	34,307	20,773	21,744
25 to 34 years	21,721	23,040	13,561	14,160	8,160	8,880
35 to 44 years	16,221	16,849	9,903	10,227	6,319	6,622
45 to 54 years	16,264	16,162	9,969	9,920	6,294	6,242
55 to 64 years	10,695	10,928	6,678	6,848	4,017	4,080
55 to 59 years	6,567	6,793	4,047	4,223	2,520	2,570
60 to 64 years	4,128	4,135	2,631	2,625	1,497	1,510
65 years and over	2,713	2,729	1,726	1,754	987	975
Nonagricultural industries	84,680	87,862	50,317	52,083	34,363	35,778
16 to 19 years	7,564	8,025	4,034	4,312	3,530	3,714
16 to 17 years	2,967	3,183	1,603	1,753	1,364	1,430
18 to 19 years	4,597	4,842	2,431	2,559	2,166	2,284
20 to 24 years	12,226	12,873	6,652	7,020	5,574	5,852
25 to 54 years	52,418	54,221	32,027	32,935	20,391	21,287
25 to 34 years	21,138	22,403	13,082	13,669	8,056	8,734
35 to 44 years	15,701	16,286	9,506	9,816	6,195	6,470
45 to 54 years	15,579	15,532	9,439	9,450	6,140	6,083
55 to 64 years	10,130	10,374	6,212	6,390	3,918	3,984
55 to 59 years	6,262	6,455	3,799	3,947	2,463	2,508
60 to 64 years	3,868	3,919	2,413	2,443	1,455	1,476
65 years and over	2,343	2,369	1,393	1,426	950	942
Agriculture	3,780	3,820	3,072	3,011	708	809
16 to 19 years	596	594	484	475	112	119
16 to 17 years	347	354	284	267	63	87
18 to 19 years	249	240	200	208	50	32
20 to 24 years	460	482	382	379	78	104
25 to 54 years	1,789	1,830	1,406	1,371	383	457
25 to 34 years	583	637	479	491	104	146
35 to 44 years	521	563	397	410	124	152
45 to 54 years	685	630	530	470	155	159
55 to 64 years	566	554	467	458	99	96
55 to 59 years	305	338	248	276	57	62
60 to 64 years	260	216	218	182	42	34
65 years and over	370	360	333	328	37	32

A-21. Employed persons by occupation, sex, and age

[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
	TOTAL	88,460	91,682	48,871	50,308	31,429	32,755	4,518	4,787	3,642	3,833
White-collar workers	43,221	44,422	20,582	21,029	20,230	20,930	671	659	1,739	1,803
Professional and technical	12,901	13,161	7,435	7,588	5,277	5,368	82	101	107	105
Health workers	2,351	2,480	824	881	1,499	1,556	--	17	29	24
Teachers, except college	2,792	2,591	812	742	1,967	1,832	--	5	13	13
Other professional and technical	7,758	8,090	5,799	5,965	1,811	1,980	82	79	65	68
Managers and administrators, except farm	9,220	9,560	7,193	7,381	1,949	2,104	59	53	19	22
Salaried workers	7,389	7,688	5,762	5,964	1,557	1,651	51	53	20	22
Self-employed workers in retail trade	897	970	634	661	255	305	7	2	--	1
Self-employed workers, except retail trade	933	902	797	756	136	148	1	--	--	--
Sales workers	5,545	5,752	2,921	3,020	1,954	2,047	251	241	419	443
Retail trade	3,076	3,166	974	1,036	1,534	1,533	180	183	388	414
Other industries	2,469	2,585	1,947	1,984	420	514	71	58	31	29
Clerical workers	15,555	15,949	3,033	3,040	11,050	11,412	279	263	1,193	1,234
Stenographers, typists, and secretaries	4,509	4,454	65	63	4,058	4,055	3	8	382	328
Other clerical workers	11,046	11,495	2,968	2,977	6,992	7,357	276	255	811	906
Blue-collar workers	29,968	31,324	22,376	23,181	4,726	4,992	2,471	2,694	396	457
Craft and kindred workers	11,474	12,105	10,463	10,978	527	589	430	490	53	49
Carpenters	1,079	1,250	1,004	1,173	3	9	70	67	1	--
Construction craft, except carpenters	2,420	2,536	2,269	2,346	21	32	129	151	1	7
Mechanics and repairers	2,953	3,166	2,787	2,951	28	40	137	172	2	3
Metal craft	1,147	1,235	1,083	1,162	36	44	25	28	3	3
Blue-collar worker supervisors, not elsewhere classified	1,472	1,486	1,335	1,333	123	143	4	8	10	3
All other	2,403	2,431	1,984	2,013	316	321	66	65	37	33
Operatives, except transport	10,360	10,482	5,715	5,621	3,708	3,858	684	719	253	284
Durable goods manufacturing	4,620	4,553	2,955	2,824	1,375	1,442	216	201	76	85
Nondurable goods manufacturing	3,325	3,455	1,302	1,336	1,776	1,840	118	136	129	143
Other industries	2,415	2,474	1,458	1,461	557	576	350	382	48	56
Transport equipment operatives	3,371	3,558	3,012	3,132	175	199	174	204	9	23
Drivers, motor vehicles	2,834	3,022	2,524	2,647	167	183	135	172	9	20
All other	536	536	488	485	8	16	40	32	--	2
Nonfarm laborers	4,764	5,179	3,185	3,450	317	346	1,182	1,281	81	102
Construction	873	1,008	670	735	6	20	190	247	7	6
Manufacturing	1,105	1,189	827	879	134	128	137	173	6	9
Other industries	2,787	2,982	1,688	1,836	176	198	855	861	68	87
Service workers	12,048	12,688	3,661	3,911	5,996	6,272	975	1,025	1,416	1,479
Private household workers	1,118	1,137	18	11	810	860	10	14	280	252
Service workers, except private household	10,930	11,551	3,644	3,901	5,186	5,412	965	1,011	1,136	1,227
Food service workers	3,935	4,240	699	782	1,932	2,039	562	578	743	841
Protective service workers	1,304	1,370	1,195	1,248	75	93	29	22	4	6
All other	5,691	5,941	1,750	1,871	3,179c	3,280	374	411	389	380
Farm workers	3,222	3,248	2,252	2,187	477	560	401	408	92	94
Farmers and farm managers	1,619	1,566	1,504	1,455	93	87	19	24	4	--
Farm laborers and supervisors	1,602	1,682	748	732	384	472	382	385	88	94
Paid workers	1,156	1,195	690	669	126	186	274	272	66	69
Unpaid family workers	446	487	58	63	258	286	108	113	22	25

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A-22. Employed persons by occupation, sex, and race

[Percent distribution]

Occupation and race	Total		Males		Females	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
TOTAL						
Total employed (thousands)	88,460	91,682	53,389	55,095	35,071	36,587
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	48.9	48.5	39.8	39.4	62.2	62.1
Professional and technical	14.6	14.4	14.1	14.0	15.4	15.0
Managers and administrators, except farm	10.4	10.4	13.6	13.5	5.6	5.8
Sales workers	6.3	6.3	5.9	5.9	6.8	6.8
Clerical workers	17.6	17.4	6.2	6.0	34.9	34.6
Blue-collar workers	33.9	34.2	46.5	47.0	14.6	14.9
Craft and kindred workers	13.0	13.2	20.4	20.8	1.7	1.7
Operatives, except transport	11.7	11.4	12.0	11.5	11.3	11.3
Transport equipment operatives	3.8	3.9	6.0	6.1	.5	.6
Nonfarm laborers	5.4	5.6	8.2	8.6	1.1	1.2
Service workers	13.6	13.8	8.7	9.0	21.1	21.2
Private household workers	1.3	1.2	.1	.2	3.1	3.0
Other service workers	12.4	12.6	8.6	8.9	18.0	18.1
Farm workers	3.6	3.5	5.0	4.7	1.6	1.8
Farmers and farm managers	1.8	1.7	2.9	2.7	.3	.2
Farm laborers and supervisors	1.8	1.8	2.1	2.0	1.3	1.5
White						
Total employed (thousands)	78,987	81,749	48,236	49,656	30,751	32,092
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	50.7	50.2	41.4	41.0	65.2	64.5
Professional and technical	15.0	14.8	14.6	14.5	15.7	15.2
Managers and administrators, except farm	11.2	11.1	14.5	14.2	6.0	6.2
Sales workers	6.7	6.7	6.3	6.3	7.4	7.3
Clerical workers	17.7	17.6	6.0	5.9	36.1	35.7
Blue-collar workers	33.3	33.5	45.6	45.9	14.1	14.3
Craft and kindred workers	13.4	13.7	20.9	21.4	1.7	1.8
Operatives, except transport	11.2	11.0	11.5	11.2	10.7	10.6
Transport equipment operatives	3.7	3.7	5.6	5.6	.5	.6
Nonfarm laborers	5.0	5.1	7.5	7.7	1.1	1.2
Service workers	12.2	12.6	7.9	8.2	19.1	19.4
Private household workers	.9	.9	(1)	(1)	2.2	2.2
Other service workers	11.3	11.7	7.8	8.2	16.9	17.2
Farm workers	3.8	3.7	5.1	4.9	1.7	1.9
Farmers and farm managers	2.0	1.9	3.0	2.9	.3	.3
Farm laborers and supervisors	1.8	1.8	2.1	2.0	1.3	1.6
Black and other						
Total employed (thousands)	9,473	9,933	5,153	5,438	4,320	4,495
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	33.7	34.0	24.6	24.5	44.5	45.6
Professional and technical	10.9	10.6	8.9	8.6	13.2	13.0
Managers and administrators, except farm	4.0	5.1	5.1	6.8	2.8	3.1
Sales workers	2.5	2.8	2.7	2.6	2.4	3.1
Clerical workers	16.2	15.5	7.9	6.5	26.1	26.4
Blue-collar workers	38.4	39.5	55.2	56.3	18.4	19.3
Craft and kindred workers	9.0	8.9	15.6	15.0	1.1	1.5
Operatives, except transport	15.9	15.3	16.3	14.7	15.4	16.1
Transport equipment operatives	5.0	5.6	9.0	9.9	.4	.4
Nonfarm laborers	8.5	9.8	14.3	16.8	1.6	1.3
Service workers	25.3	24.1	16.5	16.0	35.8	33.9
Private household workers	4.4	4.2	.1	.2	9.5	9.1
Other service workers	20.9	19.9	16.4	15.8	26.3	24.8
Farm workers	2.6	2.4	3.7	3.3	1.3	1.3
Farmers and farm managers	.7	.4	1.4	.6	--	.2
Farm laborers and supervisors	1.9	2.0	2.3	2.6	1.3	1.1

¹ Less than 0.05 percent.

A-23. Employed persons by class of worker, age, and sex

[In thousands]

Age and sex	June 1977								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	81,215	1,430	14,601	65,184	6,111	536	1,607	1,695	519
16 to 19 years	7,898	400	628	6,870	79	49	407	48	140
16 to 17 years	3,117	300	236	2,581	42	24	240	17	96
18 to 19 years	4,781	100	393	4,289	37	25	167	30	44
20 to 24 years	12,536	113	1,494	10,929	304	32	333	91	58
25 to 34 years	20,927	142	4,274	16,511	1,388	88	287	277	73
35 to 44 years	14,764	139	2,982	11,643	1,383	138	200	284	79
45 to 54 years	13,983	194	3,016	10,772	1,423	127	184	361	85
55 to 64 years	9,220	272	1,929	7,019	1,079	75	128	371	55
55 to 59 years	5,788	151	1,313	4,324	622	45	86	217	35
60 to 64 years	3,433	121	616	2,695	457	30	42	154	19
65 years and over	1,885	170	277	1,438	456	28	69	263	29
Males, 16 years and over	47,566	248	7,624	39,694	4,438	79	1,243	1,587	181
16 to 19 years	4,228	134	311	3,783	52	31	319	41	114
16 to 17 years	1,712	99	128	1,484	26	15	177	13	78
18 to 19 years	2,517	35	183	2,298	26	16	143	29	37
20 to 24 years	6,805	24	625	6,156	201	14	258	88	32
25 to 34 years	12,701	15	2,226	10,460	962	5	228	253	9
35 to 44 years	8,801	4	1,552	7,245	1,011	4	146	263	1
45 to 54 years	8,389	14	1,628	6,747	1,055	5	123	338	10
55 to 64 years	5,568	24	1,105	4,439	814	8	104	348	6
55 to 59 years	3,487	15	743	2,730	456	3	71	201	4
60 to 64 years	2,081	9	362	1,710	358	5	33	147	2
65 years and over	1,074	32	176	865	342	10	63	255	9
Females, 16 years and over	33,648	1,182	6,977	25,489	1,673	457	364	108	337
16 to 19 years	3,670	266	317	3,087	27	17	88	6	25
16 to 17 years	1,406	201	107	1,097	16	9	64	5	18
18 to 19 years	2,264	64	209	1,990	11	9	24	1	7
20 to 24 years	5,731	89	869	4,773	103	18	75	3	26
25 to 34 years	8,226	127	2,048	6,052	425	82	58	24	64
35 to 44 years	5,964	135	1,430	4,399	372	134	53	20	79
45 to 54 years	5,594	179	1,388	4,026	368	121	61	24	75
55 to 64 years	3,652	248	824	2,580	264	67	24	23	49
55 to 59 years	2,300	136	570	1,595	166	42	14	16	32
60 to 64 years	1,352	112	255	985	99	25	10	7	17
65 years and over	811	138	101	573	113	17	5	8	20

A-24. Employed persons by industry and occupation

[In thousands]

Industry	June 1977											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,820	68	52	4	76	45	11	33	268	--	16	3,248
Mining	827	122	72	1	79	201	273	41	19	--	17	--
Construction	5,943	164	626	20	340	3,295	223	223	1,008	--	32	--
Manufacturing	20,692	2,065	1,355	421	2,334	4,042	8,007	856	1,189	--	424	--
Durable goods	12,365	1,356	817	160	1,386	2,679	4,552	414	769	--	231	--
Nondurable goods	8,327	708	538	261	947	1,363	3,455	442	419	--	193	--
Transportation and public utilities	5,768	441	520	31	1,299	1,250	159	1,374	511	--	181	--
Wholesale and retail trade	19,062	345	3,622	4,032	3,225	1,486	1,028	716	1,159	--	3,450	--
Wholesale trade	3,696	113	755	865	783	302	200	384	265	--	29	--
Retail trade	15,366	231	2,867	3,166	2,442	1,184	828	333	894	--	3,421	--
Finance, insurance, and real estate	5,062	233	952	1,086	2,325	110	9	13	89	--	246	--
Services	25,483	8,776	1,750	155	4,559	1,369	715	238	711	1,137	6,075	--
Private households	1,451	14	--	--	16	--	4	10	218	1,137	54	--
Other service industries	24,032	8,762	1,750	155	4,543	1,369	711	228	493	--	6,021	--
Public administration	5,025	950	609	1	1,712	309	45	64	224	--	1,110	--

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A-25. Employed persons with a job but not at work by reason, pay status, and sex

[In thousands]

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977	June 1976	June 1977
Total	6,082	6,917	5,992	6,794	3,012	3,721	2,571	2,566
Vacation	3,724	4,516	3,691	4,471	2,358	3,001	1,172	1,257
Illness	1,320	1,414	1,289	1,369	473	528	726	720
Bad weather	26	47	22	31	--	--	--	--
Industrial dispute	130	101	130	101	--	--	--	--
All other reasons	881	839	861	823	181	192	673	589
Males	3,020	3,489	2,948	3,391	1,726	2,132	1,001	989
Vacation	1,757	2,162	1,732	2,132	1,314	1,648	329	360
Illness	763	854	733	817	315	365	368	382
All other reasons ³	500	473	483	442	97	119	304	248
Females	3,062	3,428	3,044	3,403	1,286	1,587	1,571	1,577
Vacation	1,967	2,354	1,959	2,340	1,044	1,351	844	897
Illness	558	560	556	552	158	164	358	339
All other reasons ³	537	514	529	511	83	72	369	341

¹Excludes private household.

³Includes bad weather and industrial disputes, not shown separately.

²Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

A-26. Persons at work by type of industry and hours of work

Hours of work	June 1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagri-cultural industries	Agri-culture	All industries	Nonagri-cultural industries	Agri-culture
Total at work	84,765	81,067	3,698	100.0	100.0	100.0
1-34 hours	18,824	17,841	985	22.2	22.0	26.6
1-4 hours	741	687	54	.9	.8	1.5
5-14 hours	3,480	3,295	186	4.1	4.1	5.0
15-29 hours	9,438	8,896	542	11.1	11.0	14.7
30-34 hours	5,165	4,963	203	6.1	6.1	5.5
35 hours and over	65,940	63,229	2,714	77.8	78.0	73.4
35-39 hours	6,252	6,078	175	7.4	7.5	4.7
40 hours	36,451	35,894	558	43.0	44.3	15.1
41 hours and over	23,237	21,257	1,981	27.4	26.2	53.6
41 to 48 hours	9,167	8,888	278	10.8	11.0	7.5
49 to 59 hours	7,440	7,038	403	8.8	8.7	10.9
60 hours and over	6,630	5,331	1,300	7.8	6.6	35.2
Average hours, total at work	39.4	39.0	47.9	--	--	--
Average hours, workers on full-time schedules	43.5	42.9	56.0	--	--	--

A-27. Persons at work 1 - 34 hours by usual status and reason for working less than 35 hours

[Numbers in thousands]

Reason for working less than 35 hours	June 1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	18,825	5,940	12,885	17,840	5,651	12,189
Economic reasons	4,193	1,531	2,662	3,938	1,416	2,522
Slack work	1,611	959	652	1,474	868	606
Material shortages or repairs to plant and equipment	89	89	--	83	83	--
New job started during week	347	347	--	336	336	--
Job terminated during week	138	138	--	130	130	--
Could find only part-time work	2,009	--	2,009	1,915	--	1,915
Other reasons	14,631	4,408	10,223	13,902	4,235	9,667
Does not want, or unavailable for, full-time work	8,074	--	8,074	7,676	--	7,676
Vacation	1,195	1,195	--	1,173	1,173	--
Illness	1,450	1,266	184	1,408	1,250	158
Bad weather	320	320	--	239	239	--
Industrial dispute	30	30	--	30	30	--
Legal or religious holiday	50	50	--	50	50	--
Full time for this job	1,433	--	1,433	1,367	--	1,367
All other reasons	2,078	1,547	531	1,956	1,492	464
Average hours:						
Economic reasons	20.6	23.2	19.1	20.7	23.2	19.3
Other reasons	21.1	25.3	19.3	21.1	25.3	19.3
Worked 30 to 34 hours:						
Economic reasons	1,137	610	527	1,083	570	513
Other reasons	4,028	2,069	1,959	3,880	2,016	1,864

A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	June 1977								
	Total at work	Full- or part-time status						Average hours, total at work	Average hours, workers on full-time schedules
		On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total ¹	81,067	3,938	9,667	67,462	46,205	8,888	12,369	39.0	42.9
Wage and salary workers	74,860	3,593	8,651	62,616	44,155	8,290	10,171	38.8	42.4
Construction	4,669	336	183	4,150	2,983	487	680	39.7	42.1
Manufacturing	19,051	510	535	18,006	12,363	2,956	2,687	41.3	42.4
Durable goods	11,416	182	224	11,010	7,477	1,854	1,679	41.9	42.6
Nondurable goods	7,635	327	311	6,997	4,885	1,103	1,009	40.5	42.3
Transportation and public utilities	5,008	131	236	4,641	3,221	554	866	41.7	43.3
Wholesale and retail trade	16,078	1,216	3,331	11,531	7,230	1,925	2,376	37.1	43.6
Finance, insurance, and real estate	4,429	75	376	3,978	3,013	391	574	39.3	41.6
Service industries	20,194	1,219	3,762	15,213	11,515	1,472	2,226	35.9	41.7
Private households	1,361	276	683	402	249	55	98	22.7	44.7
All other industries	18,833	943	3,079	14,811	11,266	1,417	2,128	36.9	41.6
Public administration	4,698	93	207	4,398	3,410	410	578	40.5	41.9
Self-employed workers	5,671	315	826	4,530	1,894	557	2,079	42.7	49.0
Unpaid family workers	536	30	190	316	156	41	119	37.6	48.7

¹Includes mining not shown separately.

HOUSEHOLD DATA

A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

[Numbers in thousands]

Sex, age, race, and marital status	June 1977							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	81,067	3,938	9,667	67,462	46,205	21,257	39.0	42.9
16 to 21 years	12,702	1,664	2,976	8,062	6,016	2,046	33.2	41.3
16 to 19 years	7,713	1,264	2,407	4,042	3,044	998	30.2	41.0
16 to 17 years	3,052	588	1,440	1,024	791	233	24.8	40.5
18 to 19 years	4,661	676	967	3,018	2,253	765	33.7	41.2
20 years and over	73,354	2,674	7,260	63,420	43,161	20,259	39.9	43.0
20 to 24 years	12,189	767	1,176	10,246	7,413	2,833	38.6	41.9
25 years and over	61,165	1,907	6,084	53,174	35,748	17,426	40.2	43.2
25 to 44 years	35,500	1,146	2,954	31,400	20,685	10,715	40.7	43.4
45 to 64 years	23,565	674	2,164	20,727	14,337	6,390	40.4	43.0
65 years and over	2,099	85	967	1,047	726	321	30.1	43.7
Males, 16 years and over	48,692	1,956	2,784	43,952	26,889	17,063	42.0	44.4
16 to 21 years	6,831	844	1,323	4,664	3,203	1,461	35.0	42.5
16 to 19 years	4,149	645	1,091	2,413	1,707	706	32.0	42.0
16 to 17 years	1,688	337	698	653	500	153	26.3	40.8
18 to 19 years	2,461	308	393	1,760	1,207	553	35.9	42.4
20 years and over	44,543	1,311	1,693	41,539	25,181	16,358	42.9	44.5
20 to 24 years	6,730	394	445	5,891	3,738	2,153	40.7	43.4
25 years and over	37,813	917	1,248	35,648	21,443	14,205	43.3	44.7
25 to 44 years	21,950	567	364	21,019	12,195	8,824	44.0	45.0
45 to 64 years	14,590	304	357	13,929	8,787	5,142	43.3	44.4
65 years and over	1,273	47	527	699	459	240	31.3	43.4
Females, 16 years and over	32,375	1,982	6,883	23,510	19,318	4,192	34.6	40.2
16 to 21 years	5,871	820	1,652	3,399	2,815	584	31.1	39.8
16 to 19 years	3,564	619	1,316	1,629	1,337	292	28.1	39.6
16 to 17 years	1,364	251	742	371	291	80	23.0	40.0
18 to 19 years	2,200	368	574	1,258	1,046	212	31.3	39.5
20 years and over	28,811	1,362	5,566	21,883	17,983	3,900	35.4	40.2
20 to 24 years	5,459	373	731	4,355	3,675	680	36.0	39.8
25 years and over	23,352	989	4,835	17,528	14,308	3,220	35.3	40.3
25 to 44 years	13,550	579	2,589	10,382	8,490	1,892	35.5	40.1
45 to 64 years	8,976	371	1,807	6,798	5,550	1,248	35.6	40.4
65 years and over	826	38	440	348	267	81	28.2	44.3
RACE								
White	72,111	3,301	8,783	60,027	40,300	19,727	39.2	43.1
Males	43,762	1,631	2,511	39,620	23,701	15,919	42.3	44.6
Females	28,350	1,671	6,272	20,407	16,599	3,808	34.5	40.3
Black and other	8,956	636	884	7,436	5,906	1,530	37.5	41.2
Males	4,931	327	273	4,331	3,187	1,144	39.4	42.3
Females	4,025	311	611	3,103	2,718	385	35.1	39.5
MARITAL STATUS								
Males:								
Married, spouse present	34,083	669	1,002	32,412	19,183	13,229	43.6	44.8
Widowed, divorced, or separated	3,375	165	156	3,054	1,886	1,168	41.9	44.2
Single (never married)	11,234	1,122	1,627	8,485	5,817	2,668	37.1	43.0
Females:								
Married, spouse present	17,558	778	4,136	12,644	10,466	2,178	34.3	40.0
Widowed, divorced, or separated	6,194	314	905	4,975	3,961	1,014	36.8	40.7
Single (never married)	8,622	889	1,841	5,892	4,891	1,001	33.6	40.1

A-30. Persons at work in nonfarm occupations by full- or part-time status and sex

[Numbers in thousands]

Occupational group and sex	June 1977								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full- time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
TOTAL									
White-collar workers	40,618	1,119	4,987	34,512	23,469	3,987	7,056	39.6	43.1
Professional and technical	11,355	241	1,144	9,970	6,852	1,117	2,001	39.7	42.7
Managers and administrators, except farm	8,980	72	404	8,504	4,098	1,187	3,219	46.0	47.5
Sales workers	5,388	301	1,150	3,937	2,260	609	1,068	37.8	44.5
Clerical workers	14,895	505	2,289	12,101	10,261	1,073	767	36.3	39.9
Blue-collar workers	29,243	1,631	1,600	26,012	17,472	4,130	4,410	40.3	42.8
Craft and kindred workers	11,352	460	341	10,551	6,924	1,663	1,964	41.6	43.2
Operatives, except transport	9,795	488	432	8,875	6,306	1,489	1,080	40.1	42.0
Transport equipment operatives	3,221	169	197	2,855	1,553	442	860	42.9	45.9
Nonfarm laborers	4,875	514	631	3,730	2,688	536	506	36.2	41.7
Service workers	11,737	1,223	3,187	7,327	5,465	820	1,042	33.7	42.4
Private household	1,080	212	524	344	213	45	86	24.2	45.0
Other service workers	10,657	1,012	2,663	6,982	5,250	775	957	34.7	42.3
Males									
White-collar workers	20,258	322	1,011	18,925	10,509	2,624	5,792	43.9	45.7
Professional and technical	7,017	126	355	6,536	4,082	798	1,656	42.6	44.4
Managers and administrators, except farm	7,004	55	168	6,781	2,964	966	2,851	47.5	48.4
Sales workers	3,118	64	258	2,796	1,382	471	943	43.0	45.7
Clerical workers	3,119	76	231	2,812	2,081	389	342	39.6	41.7
Blue-collar workers	24,216	1,260	1,100	21,856	14,131	3,540	4,185	41.1	43.4
Craft and kindred workers	10,758	427	250	10,081	6,589	1,579	1,913	41.8	43.2
Operatives, except transport	5,951	210	178	5,563	3,587	1,038	938	41.9	43.3
Transport equipment operatives	3,052	147	124	2,781	1,508	429	844	43.7	46.0
Nonfarm laborers	4,456	476	548	3,432	2,448	494	490	36.4	41.8
Service workers	4,608	398	727	3,483	2,392	442	649	38.0	44.0
Private household	24	5	9	10	7	1	2	24.8	44.8
Other service workers	4,584	392	718	3,474	2,387	440	647	38.1	44.0
Females									
White-collar workers	20,360	798	3,976	15,586	12,959	1,363	1,264	35.3	40.0
Professional and technical	4,338	115	789	3,434	2,769	319	346	35.1	39.5
Managers and administrators, except farm	1,976	16	236	1,724	1,135	221	368	40.7	43.8
Sales workers	2,270	237	893	1,140	875	139	126	30.7	41.3
Clerical workers	11,776	429	2,058	9,289	8,180	684	425	35.4	39.4
Blue-collar workers	5,026	371	500	4,155	3,339	590	226	36.8	40.0
Craft and kindred workers	594	35	91	468	333	84	51	37.3	41.7
Operatives, except transport	3,844	278	254	3,312	2,719	450	143	37.4	39.7
Transport equipment operatives	169	22	73	74	45	13	16	28.8	41.0
Nonfarm laborers	419	38	83	298	239	43	16	34.0	40.1
Service workers	7,129	825	2,460	3,844	3,072	379	393	30.9	40.9
Private household	1,056	207	515	334	207	44	83	24.2	45.0
Other service workers	6,073	618	1,945	3,510	2,865	335	310	32.1	40.5

HOUSEHOLD DATA

A-31. Employment status of 14-15 year-olds by sex and race

[Numbers in thousands]

Employment status	June 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,297	4,222	4,076	6,983	3,562	3,421	1,314	660	654
Civilian labor force	2,541	1,474	1,067	2,247	1,315	933	294	160	134
Employed	1,954	1,152	802	1,826	1,074	751	128	78	50
Agriculture	372	280	92	336	257	79	36	22	14
Nonagricultural industries	1,582	873	709	1,490	817	673	92	56	36
Unemployed	587	322	265	421	240	181	166	82	84
Unemployment rate	23.1	21.9	24.8	18.7	18.3	19.4	56.5	51.3	63.0
Not in labor force	5,756	2,748	3,009	4,736	2,248	2,489	1,020	500	520
Keeping house	272	16	256	211	9	201	61	6	54
Going to school	2,399	1,233	1,167	1,911	978	933	489	255	234
Unable to work	8	2	5	6	2	4	2	--	2
All other reasons	3,078	1,497	1,581	2,608	1,258	1,350	469	239	230

A-32. Employed 14-15 year-olds by sex, class of worker, and occupation

Characteristics	June 1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,954	1,152	802	100.0	100.0	100.0
Nonagricultural industries	1,582	873	709	81.0	75.7	88.5
Wage and salary workers	1,468	778	689	75.1	67.5	86.0
Private household workers	612	188	424	31.3	16.3	52.9
Government workers	95	68	27	4.9	5.9	3.4
Other wage and salary workers	761	522	238	38.9	45.3	29.7
Self-employed workers	89	74	16	4.6	6.4	2.0
Unpaid family workers	25	21	4	1.3	1.8	.5
Agriculture	372	280	92	19.0	24.3	11.5
Wage and salary workers	235	175	59	12.0	15.2	7.4
Self-employed workers	31	28	4	1.6	2.4	.5
Unpaid family workers	106	77	29	5.4	6.8	3.6
OCCUPATION						
Total	1,954	1,152	802	100.0	100.0	100.0
White-collar workers	355	248	107	18.2	21.4	13.3
Professional and technical	21	12	8	1.1	1.0	1.0
Managers and administrators, except farm	5	4	1	.3	.3	.1
Sales workers	243	198	45	12.4	17.2	5.6
Clerical workers	87	33	53	4.5	2.9	6.6
Blue-collar workers	494	443	51	25.3	38.5	6.5
Craft and kindred workers	39	36	3	2.0	3.1	.4
Operatives, except transport	67	51	16	3.4	4.4	2.0
Transport equipment operatives	10	6	4	.5	.5	.5
Nonfarm laborers	379	350	29	19.4	30.4	3.6
Service workers	783	223	560	40.1	19.4	69.8
Private household workers	446	33	413	22.8	2.9	51.5
Other service workers	337	190	147	17.2	16.5	18.3
Farm workers	321	238	83	16.4	20.7	10.3
Farmers and farm managers	7	7	--	.4	.6	--
Farm laborers and supervisors	314	231	83	16.1	20.1	10.3

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted

(Numbers in thousands)

Employment status	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
TOTAL													
Total noninstitutional population ¹	155,925	156,142	156,367	156,595	156,788	157,006	157,176	157,381	157,584	157,782	157,986	158,228	158,456
Armed Forces ¹	2,137	2,140	2,147	2,145	2,147	2,149	2,146	2,133	2,137	2,138	2,132	2,128	2,129
Civilian noninstitutional population ¹	153,788	154,002	154,220	154,451	154,642	154,857	155,031	155,248	155,447	155,643	155,854	156,101	156,327
Civilian labor force	94,704	95,189	95,351	95,242	95,302	95,871	95,960	95,516	96,145	96,539	96,760	97,158	97,641
Percent of civilian population	61.6	61.8	61.8	61.7	61.6	61.9	61.9	61.5	61.9	62.0	62.1	62.2	62.5
Employed	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023	90,408	90,679
Percent of total population	56.1	56.2	56.2	56.1	56.0	56.2	56.3	56.3	56.5	56.7	57.0	57.1	57.2
Agriculture	3,313	3,333	3,372	3,278	3,310	3,248	3,257	3,090	3,090	3,116	3,260	3,386	3,338
Nonagricultural industries	84,220	84,450	84,462	84,516	84,428	84,972	85,184	85,468	85,872	86,359	86,763	87,022	87,341
Unemployed	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737	6,750	6,962
Unemployment rate	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9	7.1
Not in labor force	59,084	58,813	58,869	59,209	59,340	58,986	59,071	59,732	59,302	59,104	59,094	58,943	58,686
Males, 20 years and over													
Total noninstitutional population ¹	66,182	66,279	66,384	66,491	66,598	66,699	66,835	66,930	67,025	67,114	67,209	67,324	67,431
Civilian noninstitutional population ¹	64,492	64,586	64,688	64,796	64,902	65,001	65,140	65,250	65,342	65,423	65,522	65,641	65,743
Civilian labor force	51,492	51,675	51,698	51,851	51,912	52,066	52,078	51,842	52,092	52,061	52,282	52,282	52,497
Percent of civilian population	79.8	80.0	79.9	80.0	80.0	80.1	79.9	79.5	79.7	79.6	79.5	79.6	79.9
Employed	48,443	48,544	48,638	48,701	48,684	48,773	48,859	48,961	49,091	49,267	49,465	49,531	49,859
Percent of total population	73.2	73.2	73.3	73.2	73.1	73.1	73.1	73.2	73.2	73.4	73.6	73.6	73.9
Agriculture	2,422	2,429	2,393	2,341	2,334	2,283	2,273	2,209	2,230	2,208	2,280	2,373	2,372
Nonagricultural industries	46,021	46,115	46,245	46,360	46,350	46,490	46,586	46,752	46,861	47,059	47,185	47,158	47,487
Unemployed	3,049	3,131	3,060	3,150	3,228	3,293	3,219	2,881	3,001	2,794	2,624	2,751	2,638
Unemployment rate	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0	5.3	5.0
Not in labor force	13,000	12,911	12,990	12,945	12,990	12,935	13,062	13,408	13,250	13,362	13,433	13,359	13,246
Females, 20 years and over													
Total noninstitutional population ¹	72,944	73,053	73,168	73,286	73,378	73,491	73,535	73,642	73,746	73,852	73,958	74,081	74,198
Civilian noninstitutional population ¹	72,857	72,966	73,078	73,196	73,288	73,401	73,445	73,550	73,654	73,757	73,863	73,987	74,101
Civilian labor force	34,278	34,487	34,562	34,540	34,444	34,848	34,938	34,740	34,982	35,295	35,455	35,634	35,675
Percent of civilian population	47.0	47.3	47.3	47.2	47.0	47.5	47.6	47.2	47.5	47.9	48.0	48.2	48.1
Employed	31,801	31,853	31,883	31,906	31,811	32,208	32,340	32,331	32,477	32,750	32,985	33,288	33,116
Percent of total population	43.6	43.6	43.6	43.5	43.4	43.8	44.0	43.9	44.0	44.3	44.6	44.9	44.6
Agriculture	487	486	532	520	553	558	573	488	485	496	577	597	564
Nonagricultural industries	31,314	31,367	31,351	31,386	31,258	31,650	31,767	31,843	31,992	32,254	32,408	32,691	32,552
Unemployed	2,477	2,634	2,679	2,634	2,633	2,640	2,598	2,409	2,505	2,545	2,470	2,346	2,559
Unemployment rate	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0	6.6	7.2
Not in labor force	38,579	38,479	38,516	38,656	38,844	38,553	38,507	38,810	38,672	38,462	38,408	38,353	38,426
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,799	16,811	16,815	16,819	16,812	16,816	16,806	16,810	16,813	16,816	16,819	16,823	16,827
Civilian noninstitutional population ¹	16,439	16,450	16,454	16,458	16,452	16,455	16,446	16,448	16,451	16,464	16,468	16,473	16,483
Civilian labor force	8,934	9,027	9,091	8,851	8,946	8,957	8,944	8,934	9,071	9,183	9,216	9,242	9,469
Percent of civilian population	54.3	54.9	55.3	53.8	54.4	54.4	54.4	54.3	55.1	55.8	56.0	56.1	57.4
Employed	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573	7,589	7,704
Percent of total population	43.4	43.9	43.5	42.7	43.1	43.0	43.1	43.2	44.0	44.4	45.0	45.1	45.8
Agriculture	404	418	447	417	423	407	411	393	375	412	403	416	402
Nonagricultural industries	6,885	6,968	6,866	6,770	6,820	6,832	6,831	6,873	7,019	7,046	7,170	7,173	7,302
Unemployed	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643	1,653	1,765
Unemployment rate	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9	18.6
Not in labor force	7,505	7,423	7,363	7,607	7,506	7,498	7,502	7,514	7,380	7,281	7,252	7,231	7,014

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-33 through A-43 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

(Numbers in thousands)

Full- and part-time employment status	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
FULL TIME													
Total, 16 years and over:													
Civilian labor force	80,684	81,006	81,177	80,977	81,297	81,786	82,048	81,730	81,946	82,074	82,229	82,738	83,306
Employed	74,854	75,128	75,092	74,879	75,135	75,601	75,923	76,223	76,295	76,606	76,886	77,349	77,905
Unemployed	5,830	5,878	6,085	6,098	6,162	6,185	6,125	5,507	5,651	5,468	5,343	5,389	5,401
Unemployment rate	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5	6.5	6.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,993	14,181	14,351	14,340	14,059	14,046	13,912	13,980	14,265	14,426	14,587	14,435	14,192
Employed	12,707	12,681	12,922	12,963	12,610	12,577	12,546	12,549	12,736	12,820	13,146	13,006	12,668
Unemployed	1,286	1,500	1,429	1,377	1,449	1,469	1,366	1,431	1,529	1,606	1,441	1,429	1,524
Unemployment rate	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9	9.9	10.7

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-35. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
WHITE													
Total, 16 years and over:													
Civilian labor force	83,796	84,254	84,403	84,313	84,511	84,816	84,854	84,616	85,086	85,482	85,642	85,937	86,268
Employed	78,091	78,295	78,370	78,276	78,384	78,647	78,828	78,923	79,365	79,832	80,249	80,603	80,813
Unemployed	5,705	5,959	6,033	6,037	6,127	6,169	6,026	5,693	5,721	5,650	5,393	5,334	5,455
Unemployment rate	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7	6.6	6.3	6.2	6.3
Males, 20 years and over:													
Civilian labor force	46,143	46,287	46,355	46,489	46,561	46,667	46,624	46,347	46,605	46,584	46,600	46,769	46,967
Employed	43,666	43,726	43,831	43,844	43,926	43,996	44,044	44,035	44,159	44,299	44,434	44,563	44,856
Unemployed	2,477	2,561	2,524	2,645	2,635	2,671	2,580	2,312	2,446	2,285	2,166	2,206	2,111
Unemployment rate	5.4	5.5	5.4	5.7	5.7	5.7	5.5	5.0	5.2	4.9	4.6	4.7	4.5
Females, 20 years and over:													
Civilian labor force	29,639	29,834	29,922	29,876	29,914	30,138	30,211	30,071	30,261	30,588	30,663	30,838	30,879
Employed	27,693	27,750	27,806	27,805	27,775	28,017	28,143	28,170	28,328	28,604	28,781	29,021	28,895
Unemployed	1,946	2,084	2,116	2,071	2,139	2,121	2,068	1,901	1,933	1,984	1,882	1,817	1,984
Unemployment rate	6.6	7.0	7.1	6.9	7.2	7.0	6.8	6.3	6.4	6.5	6.1	5.9	6.4
Both sexes, 16 to 19 years:													
Civilian labor force	8,014	8,133	8,126	7,948	8,036	8,011	8,019	8,198	8,220	8,310	8,379	8,330	8,422
Employed	6,732	6,819	6,733	6,627	6,683	6,634	6,641	6,718	6,878	6,929	7,034	7,019	7,062
Unemployed	1,282	1,314	1,393	1,321	1,353	1,377	1,378	1,480	1,342	1,381	1,345	1,311	1,360
Unemployment rate	16.0	16.2	17.1	16.6	16.8	17.2	17.2	18.1	16.3	16.6	16.1	15.7	16.1
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,844	10,868	10,979	10,906	10,910	11,114	11,109	11,030	11,163	11,104	11,071	11,171	11,325
Employed	9,388	9,464	9,484	9,508	9,444	9,618	9,623	9,648	9,697	9,690	9,711	9,730	9,833
Unemployed	1,456	1,404	1,495	1,398	1,466	1,496	1,486	1,382	1,466	1,414	1,360	1,441	1,492
Unemployment rate	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3	12.9	13.2
Males, 20 years and over:													
Civilian labor force	5,376	5,355	5,376	5,371	5,388	5,437	5,457	5,464	5,523	5,506	5,432	5,502	5,551
Employed	4,794	4,789	4,822	4,847	4,802	4,806	4,838	4,907	4,976	4,991	4,972	4,959	5,018
Unemployed	582	566	554	524	586	631	619	557	547	515	460	543	533
Unemployment rate	10.8	10.6	10.3	9.8	10.9	11.6	11.3	10.2	9.9	9.4	8.5	9.9	9.6
Females, 20 years and over:													
Civilian labor force	4,599	4,600	4,632	4,639	4,602	4,728	4,714	4,674	4,758	4,725	4,775	4,811	4,784
Employed	4,073	4,074	4,079	4,108	4,072	4,209	4,173	4,171	4,167	4,176	4,188	4,245	4,215
Unemployed	526	526	553	531	530	519	541	503	591	549	587	566	569
Unemployment rate	11.4	11.4	11.9	11.4	11.5	11.0	11.5	10.8	12.4	11.6	12.3	11.8	11.9
Both sexes, 16 to 19 years:													
Civilian labor force	869	913	971	896	920	949	938	892	882	873	864	858	990
Employed	521	601	583	553	570	603	612	570	554	523	551	526	600
Unemployed	348	312	388	343	350	346	326	322	328	350	313	332	390
Unemployment rate	40.0	34.2	40.0	38.3	38.0	36.5	34.8	36.1	37.2	40.1	36.2	38.7	39.4

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-36. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Characteristics													
Total (all civilian workers)	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9	7.1
Males, 20 years and over	5.9	6.1	5.9	6.1	6.2	6.3	6.2	5.6	5.8	5.4	5.0	5.3	5.0
Females, 20 years and over	7.2	7.6	7.8	7.6	7.6	7.6	7.4	6.9	7.2	7.2	7.0	6.6	7.2
Both sexes, 16-19 years	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9	18.6
White	6.8	7.1	7.1	7.2	7.2	7.3	7.1	6.7	6.7	6.6	6.3	6.2	6.3
Black and other	13.4	12.9	13.6	12.8	13.4	13.5	13.4	12.5	13.1	12.7	12.3	12.9	13.2
Household heads	5.1	5.3	5.2	5.4	5.4	5.3	5.1	4.8	4.9	4.6	4.4	4.5	4.3
Married men	4.3	4.4	4.3	4.5	4.4	4.5	4.3	3.8	4.1	3.7	3.6	3.6	3.4
Full-time workers	7.2	7.3	7.5	7.5	7.6	7.6	7.5	6.7	6.9	6.7	6.5	6.5	6.5
Part-time workers	9.2	10.6	10.0	9.6	10.3	10.5	9.8	10.2	10.7	11.1	9.9	9.9	10.7
Unemployed 15 weeks and over ¹	2.3	2.4	2.5	2.4	2.5	2.6	2.6	2.4	2.3	2.0	1.9	1.9	1.8
Labor force time lost ²	7.9	8.1	8.4	8.4	8.6	8.6	8.4	8.0	7.9	7.8	7.4	7.5	7.5
OCCUPATION													
White-collar workers	4.5	4.7	4.9	4.6	4.6	4.7	4.5	4.5	4.6	4.7	4.4	4.3	4.2
Professional and technical	3.0	3.1	3.1	3.0	3.2	3.4	3.3	3.3	3.3	3.1	3.2	2.9	3.0
Managers and administrators, except farm	3.1	3.4	3.5	3.2	3.0	3.1	3.1	3.0	2.8	3.4	2.9	2.8	2.7
Sales workers	5.3	5.4	5.8	5.6	5.4	5.7	5.0	5.7	5.6	5.5	5.1	5.5	5.2
Clerical workers	6.2	6.6	7.0	6.2	6.2	6.3	6.1	6.0	6.4	6.5	6.0	5.7	5.7
Blue-collar workers	9.3	9.7	9.8	9.8	9.8	9.7	9.6	8.4	8.7	8.3	7.8	7.9	7.7
Craft and kindred workers	7.0	7.2	7.0	6.9	6.8	7.0	7.0	6.1	6.5	6.0	4.9	5.6	5.6
Operatives, except transport	10.7	11.1	11.3	11.5	11.6	11.3	11.0	9.2	9.6	9.2	9.3	8.9	9.4
Transport equipment operatives	7.2	8.2	8.1	8.0	8.3	8.2	8.1	7.2	7.7	6.9	6.0	6.7	5.7
Nonfarm laborers	12.8	13.4	14.5	14.6	14.0	13.5	13.9	12.9	12.8	13.2	12.6	12.5	10.9
Service workers	8.6	8.6	8.5	8.7	9.4	9.3	9.0	8.6	8.4	7.9	8.1	9.0	8.2
Farm workers	4.2	4.3	3.6	4.0	4.2	5.1	6.1	4.8	6.7	5.4	4.8	4.4	4.8
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.8	8.0	8.2	8.1	8.2	8.2	7.9	7.4	7.6	7.4	7.0	7.1	6.9
Construction	16.3	17.0	16.5	15.7	15.1	15.4	14.1	14.9	15.2	14.2	12.0	13.0	12.6
Manufacturing	7.6	7.8	8.1	8.1	8.2	8.2	8.2	6.9	7.1	6.6	6.7	6.2	6.3
Durable goods	7.4	7.5	7.7	7.6	8.0	7.7	8.0	6.5	7.0	6.1	6.0	5.7	5.6
Non-durable goods	7.9	8.4	8.7	8.9	8.5	8.9	8.6	7.4	7.3	7.3	7.7	7.0	7.3
Transportation and public utilities	5.0	5.2	4.8	5.4	5.6	5.7	5.2	4.7	4.6	5.1	4.4	4.3	4.1
Wholesale and retail trade	8.4	8.6	8.9	8.9	8.9	9.0	8.2	8.4	8.7	8.4	7.8	8.3	7.9
Finance and service industries	6.3	6.4	6.6	6.4	6.7	6.8	6.8	6.2	6.2	6.4	6.1	6.6	6.0
Government workers	4.3	4.5	4.4	3.9	4.4	4.3	4.4	4.3	4.5	4.0	4.0	4.1	4.2
Agricultural wage and salary workers	11.0	11.8	10.4	11.2	11.5	13.2	14.0	12.6	13.4	13.2	12.3	11.5	11.0

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

A-37. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Duration													
Less than 5 weeks	2,730	2,931	2,867	2,852	2,952	2,759	2,765	2,762	2,804	3,005	3,100	2,782	3,058
5 to 14 weeks	2,215	2,093	2,433	2,426	2,367	2,494	2,319	2,083	2,107	2,098	1,857	2,093	2,023
15 weeks and over	2,173	2,247	2,341	2,311	2,360	2,517	2,514	2,283	2,182	1,923	1,816	1,836	1,737
15 to 26 weeks	902	1,058	1,127	1,118	1,094	1,188	1,130	1,038	947	777	715	800	798
27 weeks and over	1,271	1,189	1,214	1,193	1,266	1,329	1,384	1,245	1,235	1,146	1,101	1,036	939
Average (mean) duration, in weeks	16.9	15.6	15.4	15.4	15.3	15.5	15.6	15.5	14.7	14.0	14.3	14.9	14.4
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	38.4	40.3	37.5	37.6	38.4	35.5	36.4	38.7	39.5	42.8	45.8	41.5	44.9
5 to 14 weeks	31.1	28.8	31.8	32.0	30.8	32.1	30.5	29.2	29.7	29.9	27.4	31.2	29.7
15 weeks and over	30.5	30.9	30.6	30.5	30.7	32.4	33.1	32.0	30.8	27.4	26.8	27.4	25.5
15 to 26 weeks	12.7	14.6	14.7	14.7	14.2	15.3	14.9	14.6	13.4	11.1	10.6	11.9	11.7
27 weeks and over	17.9	16.4	15.9	15.7	16.5	17.1	18.2	17.5	17.4	16.3	16.3	15.4	13.8

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-38. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	7.6	7.8	7.9	7.8	7.9	8.0	7.8	7.3	7.5	7.3	7.0	6.9	7.1
16 to 19 years	18.4	18.2	19.6	18.8	19.0	19.2	19.0	18.7	18.5	18.8	17.8	17.9	18.6
16 to 17 years	21.2	20.8	22.1	20.6	21.3	21.6	20.7	21.1	19.8	22.2	19.2	20.4	21.3
18 to 19 years	16.2	15.9	18.0	17.5	17.5	17.6	17.7	17.0	17.5	16.6	16.8	16.3	16.5
20 to 24 years	11.5	11.4	11.9	11.7	12.6	12.7	12.5	11.4	12.0	11.4	10.8	10.7	10.5
25 years and over	5.4	5.9	5.6	5.8	5.7	5.6	5.5	5.1	5.2	5.1	4.9	4.8	5.0
25 to 54 years	5.6	6.0	5.9	5.9	6.0	5.9	5.9	5.3	5.3	5.2	5.1	5.1	5.3
55 years and over	4.7	4.9	4.8	4.8	4.6	4.6	4.2	4.1	4.8	4.3	4.1	4.0	3.8
Males, 16 years and over	7.0	7.1	7.0	7.2	7.4	7.5	7.3	6.6	6.9	6.5	6.1	6.3	6.2
16 to 19 years	18.5	18.3	18.7	19.1	19.6	19.7	19.1	17.4	18.6	18.7	17.0	17.0	18.6
16 to 17 years	21.3	20.8	21.5	21.3	22.3	22.2	21.0	19.5	19.3	22.2	17.9	18.7	22.7
18 to 19 years	16.4	16.6	16.8	17.3	17.7	18.1	17.4	16.1	17.9	16.1	16.0	16.0	15.5
20 to 24 years	11.6	12.0	11.8	11.7	12.7	12.6	12.9	11.3	12.1	11.2	10.5	10.6	9.9
25 years and over	4.9	5.1	5.0	5.2	5.1	5.2	5.0	4.6	4.6	4.3	4.1	4.2	4.1
25 to 54 years	5.0	5.2	5.1	5.2	5.3	5.4	5.2	4.7	4.6	4.3	4.3	4.4	4.3
55 years and over	4.7	4.2	4.6	4.6	4.4	4.4	3.9	4.0	4.7	4.4	3.7	3.9	3.3
Females, 16 years and over	8.4	8.8	9.1	8.8	8.8	8.7	8.6	8.3	8.4	8.5	8.2	7.9	8.4
16 to 19 years	18.3	18.0	20.6	18.4	18.3	18.5	18.9	20.1	18.4	18.9	18.8	19.0	18.7
16 to 17 years	21.1	20.8	22.9	19.8	20.1	20.8	20.2	23.0	20.4	22.2	20.8	22.5	19.7
18 to 19 years	15.9	15.2	19.4	17.6	17.3	17.1	18.0	18.1	16.9	17.1	17.7	16.6	17.5
20 to 24 years	11.4	10.6	11.9	11.8	12.4	12.8	11.9	11.4	11.9	11.7	11.2	10.9	11.0
25 years and over	6.3	7.1	6.7	6.7	6.6	6.4	6.4	5.9	6.1	6.1	6.0	5.7	6.3
25 to 54 years	6.7	7.2	7.1	7.1	7.1	6.7	6.9	6.2	6.3	6.6	6.5	6.1	6.7
55 years and over	4.7	5.9	5.2	5.2	4.9	5.1	4.7	4.3	4.9	4.2	4.6	4.3	4.6

A-39. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
NUMBER OF UNEMPLOYED													
Job losers	3,580	3,758	3,790	3,727	3,756	3,802	3,736	3,207	3,396	3,143	2,953	3,038	2,927
On layoff	1,031	1,142	1,191	1,222	1,107	1,067	1,057	791	1,001	865	754	749	827
Other job losers	2,549	2,616	2,599	2,505	2,649	2,735	2,679	2,416	2,395	2,278	2,199	2,289	2,100
Job leavers	895	957	994	934	936	858	831	932	852	919	846	944	954
Reentrants	1,813	1,879	1,941	1,912	1,927	2,061	1,957	1,991	1,963	2,013	2,001	1,993	1,889
New entrants	831	794	955	926	894	920	942	905	936	1,003	972	893	1,077
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.3	50.9	49.3	49.7	50.0	49.8	50.0	45.6	47.5	44.4	43.6	44.2	42.7
On layoff	14.5	15.5	15.5	16.3	14.7	14.0	14.2	11.2	14.0	12.2	11.1	10.9	12.1
Other job losers	35.8	35.4	33.8	33.4	35.3	35.8	35.9	34.3	33.5	32.2	32.5	33.2	30.7
Job leavers	12.6	13.0	12.9	12.5	12.5	11.2	11.1	13.2	11.9	13.0	12.5	13.7	13.9
Reentrants	25.5	25.4	25.3	25.5	25.6	27.0	26.2	28.3	27.5	28.4	29.5	29.0	27.6
New entrants	11.7	10.7	12.4	12.3	11.9	12.0	12.6	12.9	13.1	14.2	14.4	13.0	15.7
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.8	3.9	4.0	3.9	3.9	4.0	3.9	3.4	3.5	3.3	3.1	3.1	3.0
Job leavers .....	.9	1.0	1.0	1.0	1.0	.9	.9	1.0	.9	1.0	.9	1.0	1.0
Reentrants	1.9	2.0	2.0	2.0	2.0	2.1	2.0	2.1	2.0	2.1	2.1	2.1	1.9
New entrants .....	.9	.8	1.0	1.0	.9	1.0	1.0	.9	1.0	1.0	1.0	.9	1.1

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-40. Employed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,558	88,962	89,475	90,023	90,408	90,679
16 to 19 years	7,289	7,386	7,313	7,187	7,243	7,239	7,242	7,266	7,394	7,458	7,573	7,589	7,704
16 to 17 years	2,863	2,994	2,970	2,916	2,861	2,882	2,914	2,906	3,017	2,972	3,092	3,044	3,056
18 to 19 years	4,391	4,386	4,346	4,319	4,380	4,356	4,332	4,396	4,402	4,461	4,527	4,499	4,605
20 to 24 years	12,343	12,457	12,301	12,321	12,279	12,378	12,459	12,598	12,634	12,706	12,710	12,758	12,986
25 years and over	67,892	67,911	68,140	68,317	68,257	68,533	68,762	68,759	68,980	69,336	69,744	70,082	70,014
25 to 54 years	54,485	54,502	54,682	54,751	54,688	54,873	55,059	55,239	55,511	55,787	56,010	56,233	56,356
55 years and over	13,419	13,410	13,506	13,566	13,599	13,644	13,702	13,564	13,538	13,530	13,698	13,780	13,671
Males, 16 years and over	52,332	52,507	52,596	52,546	52,576	52,643	52,799	52,918	53,046	53,270	53,575	53,722	53,987
16 to 19 years	3,889	3,963	3,958	3,845	3,892	3,870	3,940	3,957	3,955	4,003	4,110	4,191	4,128
16 to 17 years	1,531	1,641	1,652	1,587	1,588	1,577	1,622	1,588	1,617	1,613	1,714	1,734	1,640
18 to 19 years	2,330	2,316	2,308	2,298	2,301	2,289	2,316	2,381	2,358	2,384	2,433	2,481	2,451
20 to 24 years	6,720	6,766	6,726	6,778	6,787	6,832	6,879	6,975	6,951	6,988	6,958	6,929	7,069
25 years and over	41,722	41,743	41,828	41,955	41,922	41,931	42,016	41,993	42,160	42,298	42,500	42,639	42,809
25 to 54 years	33,324	33,337	33,392	33,468	33,505	33,478	33,529	33,594	33,799	33,908	34,029	34,070	34,190
55 years and over	8,391	8,402	8,442	8,464	8,461	8,460	8,500	8,449	8,384	8,395	8,461	8,543	8,592
Females, 16 years and over	35,201	35,276	35,238	35,248	35,162	35,577	35,642	35,640	35,916	36,205	36,448	36,686	36,692
16 to 19 years	3,400	3,423	3,355	3,342	3,351	3,369	3,302	3,309	3,439	3,455	3,463	3,398	3,576
16 to 17 years	1,332	1,353	1,318	1,329	1,273	1,305	1,292	1,318	1,400	1,359	1,378	1,310	1,416
18 to 19 years	2,061	2,070	2,038	2,021	2,079	2,067	2,016	2,015	2,044	2,077	2,094	2,081	2,154
20 to 24 years	5,623	5,691	5,575	5,543	5,492	5,546	5,580	5,623	5,683	5,718	5,752	5,829	5,917
25 years and over	26,170	26,168	26,312	26,362	26,335	26,602	26,746	26,766	26,820	27,038	27,244	27,443	27,205
25 to 54 years	21,161	21,165	21,290	21,283	21,183	21,395	21,530	21,645	21,712	21,879	21,981	22,163	22,166
55 years and over	5,028	5,008	5,064	5,102	5,138	5,184	5,202	5,115	5,154	5,135	5,237	5,237	5,079

A-41. Unemployed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total, 16 years and over	7,171	7,406	7,517	7,448	7,564	7,651	7,519	6,958	7,183	7,064	6,737	6,750	6,962
16 to 19 years	1,645	1,641	1,778	1,664	1,703	1,718	1,702	1,668	1,677	1,725	1,643	1,653	1,765
16 to 17 years	771	786	843	758	776	792	760	777	746	847	736	779	829
18 to 19 years	846	832	956	913	930	930	930	901	931	886	916	873	907
20 to 24 years	1,606	1,598	1,657	1,639	1,767	1,802	1,779	1,617	1,722	1,638	1,545	1,533	1,516
25 years and over	3,909	4,229	4,075	4,180	4,106	4,102	4,027	3,681	3,766	3,689	3,580	3,565	3,667
25 to 54 years	3,254	3,495	3,438	3,448	3,470	3,438	3,449	3,090	3,088	3,086	3,039	3,006	3,137
55 years and over	657	685	688	688	652	664	608	583	679	608	579	580	533
Males, 16 years and over	3,931	4,020	3,968	4,060	4,178	4,244	4,152	3,714	3,904	3,712	3,466	3,609	3,580
16 to 19 years	882	889	908	910	950	951	933	833	903	918	842	858	942
16 to 17 years	415	430	452	429	455	449	432	384	387	459	374	399	481
18 to 19 years	456	461	467	481	496	505	487	457	515	459	465	459	449
20 to 24 years	882	921	903	899	990	987	1,022	892	958	879	819	823	781
25 years and over	2,158	2,221	2,189	2,282	2,236	2,281	2,194	2,002	2,034	1,919	1,835	1,892	1,843
25 to 54 years	1,742	1,847	1,813	1,830	1,862	1,902	1,853	1,656	1,616	1,534	1,517	1,563	1,548
55 years and over	411	372	408	410	385	387	349	354	414	385	328	343	289
Females, 16 years and over	3,240	3,386	3,549	3,388	3,386	3,407	3,367	3,244	3,279	3,352	3,271	3,141	3,382
16 to 19 years	763	752	870	754	753	767	769	835	774	807	801	795	823
16 to 17 years	356	356	391	329	321	343	328	393	359	388	362	380	348
18 to 19 years	390	371	489	432	434	425	443	444	416	427	451	414	458
20 to 24 years	724	677	754	740	777	815	757	725	764	759	726	710	735
25 years and over	1,751	2,008	1,886	1,898	1,870	1,821	1,833	1,679	1,732	1,770	1,745	1,673	1,824
25 to 54 years	1,512	1,648	1,625	1,618	1,608	1,536	1,596	1,434	1,472	1,552	1,522	1,443	1,589
55 years and over	246	313	280	278	267	277	259	229	265	223	251	237	244

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-42. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
Total employed	87,533	87,783	87,834	87,794	87,738	88,220	88,441	88,588	88,962	89,475	90,023	90,408	90,679
Household heads	51,132	51,038	51,120	51,185	51,159	51,356	51,525	51,710	51,729	51,970	52,230	52,314	52,437
Married men, spouse present	38,122	38,146	38,179	38,140	37,989	37,895	37,998	38,195	38,159	38,294	38,536	38,509	38,582
Married women, spouse present	20,334	20,353	20,402	20,470	20,384	20,482	20,498	20,511	20,756	20,963	21,076	20,962	20,831
Occupation													
White-collar workers	43,583	43,503	43,731	44,023	44,207	44,297	44,648	44,521	44,451	44,495	44,851	44,766	44,798
Professional and technical	13,363	13,291	13,471	13,581	13,427	13,597	13,544	13,444	13,408	13,439	13,591	13,483	13,638
Managers and administrators, except farm	9,230	9,226	9,309	9,446	9,436	9,491	9,564	9,613	9,502	9,543	9,434	9,400	9,570
Sales workers	5,467	5,442	5,504	5,555	5,551	5,597	5,815	5,633	5,815	5,617	5,765	5,695	5,673
Clerical workers	15,523	15,544	15,447	15,441	15,793	15,612	15,725	15,831	15,726	15,896	16,061	16,188	15,917
Blue-collar workers	29,132	29,100	28,912	28,745	28,921	29,001	29,150	29,634	29,917	30,025	30,193	30,423	30,432
Craft and kindred workers	11,268	11,329	11,286	11,340	11,352	11,353	11,302	11,626	11,668	11,709	11,896	11,894	11,891
Operatives, except transport	10,257	10,131	10,015	9,820	9,885	9,970	10,231	10,341	10,341	10,574	10,394	10,530	10,378
Transport equipment operatives	3,365	3,275	3,266	3,275	3,297	3,258	3,283	3,358	3,448	3,487	3,482	3,552	3,551
Nonfarm laborers	4,242	4,365	4,345	4,310	4,387	4,420	4,334	4,309	4,450	4,255	4,421	4,447	4,612
Service workers	12,058	12,178	12,265	12,165	11,972	12,026	11,880	11,874	12,017	12,272	12,254	12,372	12,697
Farm workers	2,826	2,861	2,913	2,772	2,829	2,743	2,791	2,624	2,663	2,652	2,779	2,904	2,838
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,317	1,306	1,339	1,309	1,310	1,285	1,380	1,246	1,280	1,282	1,310	1,325	1,381
Self-employed workers	1,671	1,686	1,700	1,608	1,671	1,627	1,530	1,490	1,511	1,513	1,548	1,655	1,595
Unpaid family workers	342	336	352	344	343	342	340	354	338	319	366	393	378
Nonagricultural industries:													
Wage and salary workers	78,117	78,250	78,423	78,440	78,498	78,766	78,957	79,205	79,520	79,869	80,306	80,429	80,814
Private households	1,389	1,433	1,384	1,400	1,377	1,448	1,384	1,391	1,317	1,313	1,320	1,305	1,388
Government	14,899	14,942	15,262	15,143	14,998	15,045	14,967	15,013	14,913	14,923	14,960	15,075	14,961
Other	61,829	61,875	61,777	61,897	62,123	62,273	62,606	62,801	63,290	63,633	64,026	64,049	64,465
Self-employed workers	5,642	5,640	5,661	5,701	5,632	5,771	5,798	5,853	5,854	5,919	5,954	6,050	5,997
Unpaid family workers	453	447	444	433	448	449	460	419	516	536	499	550	518
Persons at work¹													
Nonagricultural industries	79,331	79,257	78,991	79,796	79,469	79,940	80,369	79,832	80,837	81,330	81,005	81,771	81,618
Full-time schedules	64,858	65,261	64,687	64,965	64,955	65,385	65,846	65,700	66,144	66,659	66,436	67,219	67,126
Part time for economic reasons	3,150	3,136	3,178	3,376	3,448	3,545	3,454	3,320	3,438	3,276	3,174	3,290	3,368
Usually work full time	1,326	1,311	1,350	1,378	1,339	1,289	1,234	1,112	1,335	1,212	1,167	1,314	1,341
Usually work part time	1,824	1,825	1,828	1,998	2,109	2,256	2,220	2,208	2,103	2,064	2,007	1,976	2,027
Part time for noneconomic reasons	10,796	11,323	10,860	11,126	11,455	11,066	11,010	11,069	10,812	11,395	11,395	11,262	11,124

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

A-43. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

(Numbers in thousands)

Employment status	Not seasonally adjusted			Seasonally adjusted					
	June 1976	May 1977	June 1977	June 1976	Feb. 1977	Mar. 1977	Apr. 1977	May 1977	June 1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,677	6,865	6,819	6,677	6,854	6,857	6,861	6,865	6,819
Civilian labor force	6,363	6,479	6,532	6,333	6,512	6,486	6,501	6,508	6,500
Employed	5,836	6,011	6,046	5,796	6,059	6,045	6,021	6,019	6,004
Unemployed	527	468	486	537	453	441	474	489	496
Unemployment rate	8.3	7.2	7.4	8.5	7.0	6.8	7.3	7.5	7.6
20 to 24 years									
Civilian noninstitutional population ²	1,079	1,073	1,058	1,079	1,085	1,080	1,077	1,073	1,058
Civilian labor force	967	918	953	951	977	949	956	921	937
Employed	786	801	785	768	823	787	818	796	767
Unemployed	181	117	168	183	154	162	138	125	170
Unemployment rate	18.7	12.7	17.6	19.2	15.8	17.1	14.4	13.6	18.1
25 to 29 years									
Civilian noninstitutional population ²	3,301	3,012	3,062	3,301	3,109	3,077	3,044	3,012	3,062
Civilian labor force	3,150	2,858	2,936	3,138	2,945	2,906	2,893	2,872	2,923
Employed	2,913	2,639	2,729	2,900	2,748	2,713	2,671	2,647	2,715
Unemployed	237	219	207	238	194	193	222	225	208
Unemployment rate	7.5	7.7	7.1	7.6	6.7	6.6	7.7	7.8	7.1
30 to 34 years									
Civilian noninstitutional population ²	2,297	2,780	2,699	2,297	2,660	2,700	2,740	2,780	2,699
Civilian labor force	2,246	2,703	2,643	2,244	2,590	2,631	2,652	2,715	2,640
Employed	2,137	2,571	2,532	2,128	2,488	2,545	2,538	2,576	2,522
Unemployed	109	132	111	116	102	86	114	139	118
Unemployment rate	4.9	4.9	4.2	5.2	3.9	3.3	4.3	5.1	4.5
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	16,715	17,432	17,556	16,715	17,191	17,264	17,347	17,432	17,556
Civilian labor force	15,424	15,526	16,294	15,011	15,674	15,717	16,645	15,646	15,870
Employed	14,150	14,438	15,132	13,820	14,327	14,483	15,510	14,527	14,780
Unemployed	1,274	1,088	1,162	1,191	1,347	1,234	1,135	1,119	1,090
Unemployment rate	8.3	7.0	7.1	7.9	8.6	7.9	6.8	7.2	6.9
20 to 24 years									
Civilian noninstitutional population ²	7,910	8,104	8,133	7,910	8,036	8,056	8,080	8,104	8,133
Civilian labor force	7,061	6,736	7,327	6,650	6,956	6,932	6,850	6,831	6,909
Employed	6,247	6,055	6,614	5,946	6,151	6,211	6,161	6,135	6,293
Unemployed	814	681	713	704	805	721	689	696	616
Unemployment rate	11.5	10.1	9.7	10.6	11.6	10.4	10.1	10.2	8.9
25 to 29 years									
Civilian noninstitutional population ²	5,035	5,328	5,276	5,035	5,239	5,268	5,298	5,328	5,276
Civilian labor force	4,742	4,968	5,017	4,733	4,952	5,029	4,977	4,990	5,006
Employed	4,448	4,713	4,712	4,427	4,589	4,676	4,691	4,722	4,689
Unemployed	294	255	305	306	363	353	286	268	317
Unemployment rate	6.2	5.1	6.1	6.5	7.3	7.0	5.7	5.4	6.3
30 to 34 years									
Civilian noninstitutional population ²	3,770	4,000	4,147	3,770	3,916	3,940	3,969	4,000	4,147
Civilian labor force	3,621	3,822	3,950	3,628	3,766	3,756	3,818	3,825	3,955
Employed	3,455	3,670	3,806	3,447	3,587	3,596	3,658	3,670	3,798
Unemployed	166	152	144	181	179	160	160	155	157
Unemployment rate	4.6	4.0	3.6	5.0	4.8	4.3	4.2	4.1	4.0

¹ Vietnam-era veterans are those who served between August 5, 1964, and May 7, 1975.² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted

[Numbers in thousands]

Employment status	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total noninstitutional population ¹	150,500	151,141	151,809	152,440	153,056	153,820	154,477	155,115	155,717	156,368	156,990	157,582	158,223
Armed Forces ¹	2,228	2,219	2,212	2,196	2,185	2,180	2,159	2,144	2,141	2,144	2,147	2,136	2,130
Civilian noninstitutional population ¹ ...	148,272	148,923	149,596	150,244	150,872	151,640	152,319	152,971	153,576	154,224	154,843	155,446	156,094
Civilian labor force.....	90,697	91,274	91,661	91,865	92,531	93,026	93,103	93,644	94,544	95,261	95,711	96,067	97,186
Percent of civilian population.....	61.2	61.3	61.3	61.1	61.3	61.3	61.1	61.2	61.6	61.8	61.8	61.8	62.3
Employed.....	86,043	86,139	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370
Percent of total population.....	57.2	57.0	56.4	55.4	55.1	55.3	55.2	55.8	56.2	56.2	56.1	56.5	57.1
Agriculture.....	3,479	3,430	3,388	3,308	3,393	3,453	3,320	3,239	3,348	3,328	3,272	3,099	3,328
Nonagricultural industries.....	82,564	82,709	82,190	81,084	81,013	81,576	81,928	83,275	84,153	84,476	84,861	85,900	87,042
Unemployed.....	4,653	5,136	6,083	7,473	8,126	7,998	7,855	7,130	7,043	7,457	7,578	7,068	6,816
Unemployment rate.....	5.1	5.6	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0
Males, 20 years and over													
Total noninstitutional population ¹	63,800	64,073	64,372	64,642	64,904	65,238	65,543	65,827	66,090	66,385	66,711	67,023	67,321
Civilian noninstitutional population ¹ ...	61,998	62,285	62,599	62,911	63,181	63,510	63,828	64,139	64,400	64,690	65,014	65,338	65,635
Civilian labor force.....	50,218	50,356	50,612	50,552	50,826	51,097	51,038	51,012	51,401	51,741	52,019	51,998	52,289
Percent of civilian population.....	81.0	80.8	80.9	80.4	80.4	80.5	80.0	79.5	79.8	80.0	80.0	79.6	79.7
Employed.....	48,495	48,438	48,186	47,399	47,253	47,511	47,526	48,074	48,480	48,628	48,772	49,106	49,618
Percent of total population.....	76.0	75.6	74.9	73.3	72.8	72.8	72.5	73.0	73.4	73.3	73.1	73.3	73.7
Agriculture.....	2,494	2,496	2,462	2,431	2,425	2,451	2,381	2,331	2,414	2,388	2,297	2,216	2,342
Nonagricultural industries.....	46,001	45,942	45,724	44,968	44,829	45,061	45,145	45,743	46,066	46,240	46,475	46,891	47,277
Unemployed.....	1,723	1,918	2,426	3,153	3,573	3,586	3,512	2,938	2,921	3,114	3,247	2,892	2,671
Unemployment rate.....	3.4	3.8	4.8	6.2	7.0	7.0	6.9	5.8	5.7	6.0	6.2	5.6	5.1
Females, 20 years and over													
Total noninstitutional population ¹	70,292	70,593	70,913	71,226	71,531	71,904	72,214	72,535	72,839	73,169	73,468	73,746	74,079
Civilian noninstitutional population ¹ ...	70,244	70,545	70,856	71,165	71,465	71,831	72,140	72,456	72,754	73,080	73,378	73,653	73,984
Civilian labor force.....	31,713	32,131	32,159	32,522	32,891	33,105	33,314	33,746	34,097	34,530	34,743	35,006	35,588
Percent of civilian population.....	45.1	45.5	45.4	45.7	46.0	46.1	46.2	46.6	46.9	47.2	47.3	47.5	48.1
Employed.....	30,123	30,346	30,074	29,929	30,128	30,477	30,683	31,261	31,673	31,881	32,120	32,519	33,130
Percent of total population.....	42.9	43.0	42.4	42.0	42.1	42.4	42.5	43.1	43.5	43.6	43.7	44.1	44.7
Unemployed.....	1,590	1,786	2,085	2,593	2,763	2,628	2,631	2,485	2,424	2,649	2,624	2,486	2,458
Unemployment rate.....	5.0	5.6	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.7	7.6	7.1	6.9
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,407	16,471	16,524	16,572	16,621	16,679	16,720	16,754	16,788	16,815	16,812	16,813	16,823
Civilian noninstitutional population ¹ ...	16,030	16,093	16,141	16,168	16,226	16,298	16,351	16,376	16,422	16,454	16,451	16,454	16,475
Civilian labor force.....	8,766	8,787	8,890	8,791	8,814	8,824	8,751	8,886	9,046	8,990	8,949	9,063	9,309
Percent of civilian population.....	54.7	54.6	55.1	54.4	54.3	54.1	53.5	54.3	55.1	54.6	54.4	55.1	56.5
Employed.....	7,426	7,355	7,318	7,064	7,025	7,040	7,038	7,179	7,348	7,295	7,241	7,373	7,622
Percent of total population.....	45.3	44.7	44.3	42.6	42.3	42.2	42.1	42.8	43.8	43.4	43.1	43.9	45.3
Unemployed.....	1,340	1,432	1,572	1,727	1,789	1,784	1,712	1,706	1,698	1,694	1,708	1,690	1,687
Unemployment rate.....	15.3	16.3	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1
White													
Total noninstitutional population ¹	133,006	133,520	134,051	134,556	135,046	135,585	136,104	136,611	137,087	137,602	138,105	138,574	139,084
Civilian noninstitutional population ¹ ...	131,110	131,640	132,187	132,718	133,219	133,764	134,301	134,822	135,303	135,823	136,326	136,812	137,333
Civilian labor force.....	80,395	80,917	81,318	81,469	82,055	82,418	82,505	82,884	83,644	84,323	84,727	85,061	85,949
Percent of civilian population.....	61.3	61.5	61.5	61.4	61.6	61.6	61.4	61.5	61.8	62.1	62.2	62.2	62.6
Employed.....	76,664	76,796	76,439	75,394	75,402	75,925	76,115	77,166	77,993	78,314	78,620	79,373	80,555
Percent of total population.....	57.6	57.5	57.0	56.0	55.8	56.0	55.9	56.5	56.9	56.9	56.9	57.3	57.9
Unemployed.....	3,731	4,121	4,879	6,075	6,653	6,493	6,390	5,718	5,651	6,010	6,107	5,688	5,394
Unemployment rate.....	4.6	5.1	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3
Black and other													
Total noninstitutional population ¹	17,494	17,621	17,758	17,884	18,010	18,235	18,374	18,504	18,631	18,766	18,885	19,008	19,139
Civilian noninstitutional population ¹ ...	17,163	17,282	17,410	17,526	17,652	17,876	18,017	18,148	18,273	18,401	18,517	18,634	18,761
Civilian labor force.....	10,269	10,343	10,390	10,393	10,457	10,617	10,657	10,773	10,855	10,918	11,044	11,099	11,189
Percent of civilian population.....	59.8	59.8	59.7	59.3	59.2	59.4	59.1	59.4	59.4	59.3	59.6	59.6	59.6
Employed.....	9,344	9,336	9,179	9,000	8,973	9,121	9,179	9,360	9,454	9,485	9,562	9,678	9,758
Percent of total population.....	53.4	53.0	51.7	50.3	49.8	50.0	50.0	50.6	50.7	50.5	50.6	50.9	51.0
Unemployed.....	925	1,008	1,212	1,393	1,484	1,496	1,478	1,413	1,401	1,432	1,483	1,421	1,431
Unemployment rate.....	9.0	9.7	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-53 and A-60 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

[Numbers in thousands]

Full- and part-time employment status, sex, and age	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
FULL TIME													
Total, 16 years and over:													
Civilian labor force	77,598	77,989	78,438	78,564	79,021	79,289	79,652	80,025	80,657	81,053	81,710	81,917	82,758
Employed ¹	74,011	74,006	73,603	72,485	72,299	72,684	73,175	74,308	74,981	75,033	75,553	76,375	77,380
Unemployed	3,588	3,983	4,835	6,079	6,722	6,605	6,477	5,717	5,676	6,020	6,157	5,542	5,378
Unemployment rate	4.6	5.1	6.2	7.7	8.5	8.3	8.1	7.1	7.0	7.4	7.5	6.8	6.5
Males, 20 years and over:													
Civilian labor force	47,793	47,872	48,091	48,011	48,207	48,492	48,562	48,479	48,792	49,209	49,442	49,325	49,588
Employed ¹	46,224	46,124	45,848	45,064	44,880	45,118	45,262	45,774	46,110	46,291	46,409	46,675	47,147
Unemployed	1,569	1,749	2,243	2,946	3,327	3,374	3,299	2,705	2,682	2,918	3,033	2,650	2,441
Unemployment rate	3.3	3.7	4.7	6.1	6.9	7.0	6.8	5.6	5.5	5.9	6.1	5.4	4.9
Females, 20 years and over:													
Civilian labor force	24,835	25,193	25,315	25,732	25,887	25,961	26,330	26,636	26,901	27,031	27,401	27,616	28,040
Employed ¹	23,572	23,797	23,633	23,619	23,590	23,805	24,158	24,615	24,920	24,902	25,258	25,661	26,053
Unemployed	1,263	1,397	1,682	2,113	2,297	2,157	2,173	2,021	1,982	2,129	2,143	1,955	1,987
Unemployment rate	5.1	5.5	6.6	8.2	8.9	8.3	8.3	7.6	7.4	7.9	7.8	7.1	7.1
Both sexes, 16-19 years:													
Civilian labor force	4,970	4,924	5,031	4,821	4,926	4,836	4,760	4,911	4,964	4,813	4,867	4,975	5,130
Employed ¹	4,215	4,086	4,122	3,801	3,828	3,762	3,755	3,920	3,951	3,841	3,886	4,038	4,180
Unemployed	755	838	909	1,020	1,098	1,074	1,005	991	1,013	973	981	937	950
Unemployment rate	15.2	17.0	18.1	21.2	22.3	22.2	21.1	20.2	20.4	20.2	20.2	18.8	18.5
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,123	13,231	13,250	13,307	13,530	13,849	13,400	13,659	13,903	14,291	14,006	14,224	14,405
Employed ¹	12,039	12,083	12,006	11,924	12,117	12,453	12,062	12,254	12,518	12,855	12,578	12,702	12,940
Unemployed	1,085	1,148	1,245	1,382	1,413	1,396	1,338	1,405	1,386	1,435	1,428	1,522	1,465
Unemployment rate	8.3	8.7	9.4	10.4	10.4	10.1	10.4	10.3	10.0	10.0	10.2	10.7	10.2
Males, 20 years and over:													
Civilian labor force	2,417	2,485	2,524	2,535	2,602	2,641	2,495	2,543	2,597	2,547	2,585	2,696	2,683
Employed ¹	2,261	2,312	2,343	2,332	2,365	2,415	2,271	2,309	2,357	2,337	2,371	2,452	2,450
Unemployed	156	173	181	202	237	227	224	233	240	210	214	243	233
Unemployment rate	6.4	7.0	7.2	8.0	9.1	8.6	9.0	9.2	9.3	8.2	8.3	9.0	8.7
Females, 20 years and over:													
Civilian labor force	6,867	6,925	6,837	6,827	7,001	7,147	6,989	7,151	7,186	7,485	7,392	7,434	7,559
Employed ¹	6,523	6,545	6,438	6,357	6,516	6,682	6,523	6,699	6,725	6,974	6,857	6,913	7,064
Unemployed	344	381	399	471	485	465	465	452	461	511	485	521	495
Unemployment rate	5.0	5.5	5.8	6.9	6.9	6.5	6.7	6.3	6.4	6.8	6.6	7.0	6.5
Both sexes, 16-19 years:													
Civilian labor force	3,839	3,821	3,889	3,945	3,927	4,061	3,976	3,965	4,120	4,259	4,079	4,094	4,162
Employed ¹	3,254	3,227	3,225	3,235	3,236	3,356	3,267	3,246	3,436	3,544	3,350	3,336	3,425
Unemployed	585	594	664	709	691	704	708	720	684	715	729	758	737
Unemployment rate	15.2	15.5	17.1	18.0	17.6	17.3	17.8	18.1	16.6	16.8	17.9	18.5	17.7

¹ Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
WHITE													
Total, 16 years and over:													
Civilian labor force	80,395	80,917	81,318	81,469	82,055	82,418	82,505	82,884	83,644	84,323	84,727	85,061	85,949
Employed	76,664	76,796	76,439	75,394	75,402	75,925	76,115	77,166	77,993	78,314	78,620	79,373	80,555
Unemployed	3,731	4,121	4,879	6,075	6,653	6,493	6,390	5,718	5,651	6,010	6,107	5,688	5,394
Unemployment rate	4.6	5.1	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3
Males, 20 years and over:													
Civilian labor force	45,062	45,220	45,465	45,340	45,646	45,797	45,777	45,738	46,058	46,377	46,617	46,512	46,779
Employed	43,658	43,636	43,483	42,752	42,690	42,839	42,912	43,368	43,675	43,800	43,989	44,164	44,618
Unemployed	1,404	1,584	1,982	2,589	2,956	2,958	2,864	2,369	2,384	2,577	2,629	2,348	2,161
Unemployment rate	3.1	3.5	4.4	5.7	6.5	6.5	6.3	5.2	5.2	5.6	5.6	5.0	4.6
Females, 20 years and over:													
Civilian labor force	27,507	27,863	27,917	28,263	28,552	28,717	28,917	29,202	29,485	29,877	30,088	30,307	30,793
Employed	26,231	26,437	26,244	26,144	26,296	26,624	26,765	27,228	27,555	27,787	27,978	28,367	28,899
Unemployed	1,276	1,426	1,673	2,119	2,256	2,093	2,151	1,973	1,930	2,090	2,109	1,939	1,894
Unemployment rate	4.6	5.1	6.0	7.5	7.9	7.3	7.4	6.8	6.5	7.0	7.0	6.4	6.2
Both sexes, 16 to 19 years:													
Civilian labor force	7,826	7,834	7,936	7,866	7,857	7,905	7,812	7,944	8,101	8,069	8,022	8,243	8,377
Employed	6,775	6,723	6,712	6,499	6,416	6,462	6,437	6,569	6,763	6,726	6,653	6,842	7,038
Unemployed	1,051	1,111	1,224	1,368	1,441	1,442	1,375	1,375	1,338	1,343	1,369	1,401	1,339
Unemployment rate	13.4	14.2	15.4	17.4	18.3	18.2	17.6	17.3	16.5	16.6	17.1	17.0	16.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,269	10,343	10,390	10,393	10,457	10,617	10,657	10,773	10,855	10,918	11,044	11,099	11,189
Employed	9,344	9,336	9,179	9,000	8,973	9,121	9,179	9,360	9,454	9,485	9,562	9,678	9,758
Unemployed	925	1,008	1,212	1,393	1,484	1,496	1,478	1,413	1,401	1,432	1,483	1,421	1,431
Unemployment rate	9.0	9.7	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8
Males, 20 years and over:													
Civilian labor force	5,159	5,138	5,168	5,183	5,186	5,309	5,285	5,254	5,346	5,367	5,427	5,498	5,495
Employed	4,839	4,797	4,728	4,624	4,565	4,668	4,642	4,689	4,804	4,819	4,815	4,958	4,983
Unemployed	320	340	439	559	621	641	642	565	542	548	612	540	512
Unemployment rate	6.2	6.6	8.5	10.8	12.0	12.1	12.2	10.7	10.1	10.2	11.3	9.8	9.3
Females, 20 years and over:													
Civilian labor force	4,187	4,250	4,267	4,276	4,327	4,369	4,430	4,571	4,591	4,624	4,681	4,719	4,790
Employed	3,869	3,903	3,842	3,805	3,811	3,853	3,932	4,059	4,087	4,087	4,151	4,171	4,216
Unemployed	318	347	425	471	516	515	498	512	503	537	530	548	574
Unemployment rate	7.6	8.2	10.0	11.0	11.9	11.8	11.2	11.2	11.0	11.6	11.3	11.6	12.0
Both sexes, 16 to 19 years:													
Civilian labor force	923	956	956	934	944	939	943	948	919	927	936	882	904
Employed	635	635	608	572	597	600	605	612	563	579	595	549	559
Unemployed	287	320	348	362	347	340	338	336	356	348	341	333	345
Unemployment rate	31.1	33.5	36.4	38.8	36.7	36.2	35.9	35.4	38.8	37.5	36.4	37.8	38.2

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
CHARACTERISTICS													
Total (all civilian workers)	5.1	5.6	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0
Males, 20 years and over	3.4	3.8	4.8	6.2	7.0	7.0	6.9	5.8	5.7	6.0	6.2	5.6	5.1
Females, 20 years and over	5.0	5.6	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.7	7.6	7.1	6.9
Both sexes, 16-19 years	15.3	16.3	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1
White	4.6	5.1	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3
Black and other	9.0	9.7	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8
Household heads, total	3.0	3.3	4.1	5.4	6.0	5.9	5.8	5.0	4.9	5.3	5.3	4.8	4.4
Males	2.5	2.9	3.8	5.0	5.7	5.7	5.5	4.6	4.5	4.8	4.9	4.3	3.9
With relatives	2.3	2.7	3.4	4.7	5.4	5.2	5.0	4.1	4.0	4.3	4.4	3.8	3.5
Without relatives	5.2	4.9	7.1	8.5	8.9	9.3	9.9	8.5	8.7	8.6	8.7	8.0	7.1
Females	5.3	5.3	6.5	7.3	7.7	7.5	8.1	7.7	6.8	7.9	7.7	7.1	6.7
With relatives	6.6	6.7	8.1	9.4	9.9	10.2	10.4	9.9	9.2	10.6	10.3	9.3	9.0
Without relatives	4.2	4.0	5.0	5.3	5.6	5.1	6.0	5.5	4.6	5.4	5.3	5.0	4.7
Married men, spouse present	2.3	2.8	3.5	4.7	5.5	5.4	5.1	4.1	4.1	4.4	4.4	3.9	3.5
Full-time workers	4.6	5.1	6.2	7.7	8.5	8.3	8.1	7.1	7.0	7.4	7.5	6.8	6.5
Part-time workers	8.3	8.7	9.4	10.4	10.4	10.1	10.4	10.3	10.0	10.0	10.2	10.7	10.2
Unemployed 15 weeks and over ¹	1.0	1.0	1.3	2.0	2.8	3.1	3.1	2.7	2.2	2.4	2.6	2.2	1.8
Labor force time lost ²	5.6	6.2	7.2	8.9	9.4	9.1	9.0	8.2	8.0	8.3	8.5	7.9	7.5
OCCUPATION													
White-collar workers	3.1	3.4	3.7	4.5	5.0	4.7	4.8	4.6	4.6	4.7	4.6	4.6	4.3
Professional and technical	2.1	2.3	2.5	3.0	3.4	3.3	3.3	3.3	3.1	3.1	3.3	3.2	3.1
Managers and administrators, except farm	1.7	1.8	2.3	2.9	3.1	3.1	3.0	2.9	3.0	3.4	3.1	3.0	2.8
Sales workers	4.1	4.0	5.0	5.6	6.0	5.6	6.0	5.5	5.1	5.6	6.0	5.6	5.3
Clerical workers	4.3	4.8	5.0	6.2	6.9	6.6	6.6	6.3	6.5	6.6	6.2	6.3	5.8
Blue-collar workers	5.9	6.8	8.6	11.1	12.6	12.1	11.2	9.3	9.0	9.8	9.7	8.5	7.8
Craft and kindred workers	3.8	4.5	5.6	7.4	8.9	8.8	8.0	6.8	6.7	7.0	7.0	6.2	5.4
Operatives, except transport	7.1	8.3	10.9	14.4	16.0	14.9	13.3	10.4	10.4	11.3	11.3	9.3	9.2
Transport equipment operatives	4.9	4.9	6.2	7.5	8.4	9.2	9.2	7.9	6.7	8.1	8.2	7.2	6.1
Nonfarm laborers	9.3	10.6	12.0	14.8	16.4	15.9	15.7	13.8	13.2	14.2	13.8	13.0	12.0
Service workers	6.2	6.4	6.9	7.9	8.5	8.9	9.0	8.8	8.4	8.6	9.2	8.3	8.5
Farm workers	2.5	2.8	2.6	3.5	3.3	3.5	3.9	4.2	4.4	4.0	5.1	5.6	4.7
INDUSTRY													
Nonagricultural private wage and salary workers ³	5.2	5.8	7.0	8.8	9.7	9.3	9.0	7.9	7.6	8.1	8.1	7.4	7.0
Construction	9.7	10.9	13.6	16.8	20.1	19.1	17.5	15.8	15.3	16.4	14.9	14.8	12.5
Manufacturing	4.9	5.8	7.7	10.6	11.9	11.2	10.1	7.8	7.5	8.0	8.2	6.9	6.4
Durable goods	4.5	5.2	7.5	10.6	12.3	12.0	10.5	7.9	7.4	7.6	7.9	6.5	5.7
Nondurable goods	5.3	6.6	8.1	10.6	11.3	10.0	9.6	7.7	7.7	8.7	8.7	7.4	7.3
Transportation and public utilities	3.0	3.4	3.8	5.5	6.1	5.7	5.2	4.7	4.7	5.1	5.5	4.8	4.3
Wholesale and retail trade	6.2	6.5	7.3	8.3	8.8	8.8	9.1	8.6	8.3	8.8	8.7	8.5	8.0
Finance and service industries	4.3	4.7	5.2	6.3	6.7	6.5	6.9	6.5	6.3	6.5	6.8	6.3	6.2
Government workers	3.0	3.0	3.3	3.6	4.1	4.1	4.2	4.4	4.5	4.3	4.4	4.3	4.1
Agricultural wage and salary workers	7.1	7.5	7.8	10.1	10.1	10.2	11.0	11.0	11.6	11.1	12.9	13.1	11.6

¹ Unemployment as a percent of civilian labor force.

as percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by duration of unemployment, seasonally adjusted

[Numbers in thousands]

Weeks of unemployment	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Duration													
Less than 5 weeks	2,409	2,592	2,921	3,071	2,934	2,824	2,758	2,634	2,838	2,883	2,825	2,857	2,980
5 to 14 weeks	1,418	1,583	1,956	2,557	2,569	2,355	2,340	1,957	2,032	2,317	2,393	2,096	1,991
15 weeks and over	868	947	1,190	1,803	2,553	2,875	2,888	2,546	2,106	2,300	2,464	2,129	1,796
15 to 26 weeks	519	574	733	1,098	1,462	1,427	1,288	1,001	822	1,101	1,137	921	771
27 weeks and over	349	373	456	705	1,091	1,448	1,600	1,545	1,284	1,199	1,326	1,209	1,025
Average (mean) duration in weeks	9.7	9.7	9.9	11.3	13.9	15.5	16.4	16.4	15.9	15.5	15.5	14.7	14.5
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	51.3	50.6	48.1	41.3	36.4	35.1	34.5	36.9	40.7	38.4	36.8	40.3	44.0
5 to 14 weeks	30.2	30.9	32.2	34.4	31.9	29.2	29.3	27.4	29.1	30.9	31.2	29.6	29.4
15 weeks and over	18.5	18.5	19.6	24.3	31.7	35.7	36.2	35.7	30.2	30.7	32.1	30.1	26.5
15 to 26 weeks	11.1	11.2	12.1	14.8	18.1	17.7	16.1	14.0	11.8	14.7	14.8	13.0	11.4
27 weeks and over	7.4	7.3	7.5	9.5	13.5	18.0	20.0	21.6	18.4	16.0	17.3	17.1	15.1

A-49. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	5.1	5.6	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0
16 to 19 years	15.3	16.3	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1
16 to 17 years	17.6	18.3	19.9	21.2	21.2	22.0	21.0	20.9	21.3	21.2	21.2	21.0	20.3
18 to 19 years	13.5	14.9	16.0	18.5	19.5	18.9	18.5	18.1	17.0	17.1	17.6	17.0	16.5
20 to 24 years	8.3	9.3	10.6	13.1	14.0	13.8	13.7	12.2	11.6	11.7	12.6	11.6	10.7
25 years and over	3.2	3.6	4.5	5.7	6.4	6.2	6.1	5.3	5.2	5.8	5.6	5.1	4.9
25 to 54 years	3.4	3.7	4.7	6.0	6.8	6.5	6.3	5.4	5.4	6.0	5.9	5.3	5.2
55 years and over	2.6	3.1	3.4	4.4	4.9	4.8	5.0	4.6	4.5	4.8	4.5	4.4	3.9
Males, 16 years and over	4.4	4.9	5.9	7.4	8.2	8.2	7.9	6.9	6.9	7.1	7.4	6.6	6.2
16 to 19 years	14.8	15.8	17.4	19.7	20.8	20.4	19.4	19.4	19.3	18.7	19.5	18.2	17.5
16 to 17 years	17.8	18.5	20.0	21.3	21.9	22.4	20.6	21.1	21.7	21.2	21.8	20.3	19.8
18 to 19 years	12.4	13.9	15.3	18.5	19.9	19.0	18.6	18.3	17.5	16.9	17.7	16.7	15.8
20 to 24 years	7.8	8.9	10.5	13.5	14.8	15.0	14.3	12.3	11.4	11.8	12.8	11.5	10.4
25 years and over	2.7	3.0	3.8	5.0	5.7	5.7	5.6	4.6	4.7	5.1	5.1	4.5	4.7
25 to 54 years	2.8	3.0	4.0	5.2	6.0	6.0	5.8	4.7	4.7	5.2	5.3	4.5	4.3
55 years and over	2.4	2.9	3.1	4.2	4.6	4.6	4.8	4.5	4.5	4.5	4.2	4.4	3.6
Females, 16 years and over	6.2	6.8	7.8	9.2	9.6	9.2	9.2	8.6	8.3	8.9	8.7	8.4	8.2
16 to 19 years	15.8	16.9	18.0	19.5	19.6	20.0	19.7	19.0	18.2	19.0	18.6	19.1	18.8
16 to 17 years	17.3	17.9	19.8	21.2	20.4	21.5	21.5	20.5	20.8	21.2	20.4	21.9	21.0
18 to 19 years	14.7	16.1	16.7	18.4	19.1	18.8	18.4	18.0	16.4	17.4	17.4	17.3	17.3
20 to 24 years	8.9	9.9	10.6	12.6	13.0	12.3	12.9	12.1	11.7	11.4	12.4	11.7	11.0
25 years and over	4.2	4.6	5.6	6.9	7.4	7.0	6.8	6.3	6.1	6.8	6.5	6.0	6.0
25 to 54 years	4.4	4.8	5.9	7.4	8.0	7.4	7.2	6.6	6.5	7.1	6.9	6.4	6.4
55 years and over	3.1	3.3	4.1	4.8	5.3	5.0	5.4	4.8	4.6	5.4	4.9	4.4	4.5

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-50. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
NUMBER OF UNEMPLOYED													
Job losers	1,913	2,167	2,866	4,003	4,637	4,645	4,257	3,524	3,516	3,758	3,765	3,249	2,973
On layoff	590	716	1,065	1,586	1,894	1,789	1,500	979	995	1,185	1,077	886	777
Other job losers	1,323	1,451	1,801	2,418	2,743	2,856	2,757	2,546	2,521	2,573	2,688	2,363	2,196
Job leavers	730	762	788	770	828	805	848	822	876	962	875	901	915
Reentrants	1,391	1,523	1,626	1,809	1,925	1,842	1,895	1,885	1,809	1,911	1,982	1,989	1,961
New entrants	621	685	756	777	773	851	847	858	860	892	919	948	981
PERCENT DISTRIBUTION													
Job losers	41.1	42.2	47.5	54.4	56.8	57.0	54.3	49.7	49.8	50.0	49.9	45.8	43.5
On layoff	12.7	13.9	17.6	21.5	23.2	22.0	19.1	13.8	14.1	15.8	14.3	12.5	11.4
Other job losers	28.4	28.2	29.8	32.9	33.6	35.1	35.1	35.9	35.7	34.2	35.6	33.3	32.2
Job leavers	15.7	14.8	13.1	10.5	10.1	9.9	10.8	11.6	12.4	12.8	11.6	12.7	13.4
Reentrants	29.9	29.6	26.9	24.6	23.6	22.6	24.1	26.6	25.6	25.4	26.3	28.1	28.7
New entrants	13.3	13.3	12.5	10.6	9.5	10.5	10.8	12.1	12.2	11.9	12.2	13.4	14.4
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	2.1	2.4	3.1	4.4	5.0	5.0	4.6	3.8	3.7	3.9	3.9	3.4	3.1
Job leavers .....	.8	.8	.9	.8	.9	.9	.9	.9	.9	1.0	.9	.9	.9
Reentrants	1.5	1.7	1.8	2.0	2.1	2.0	2.0	2.0	1.9	2.0	2.1	2.1	2.0
New entrants .....	.7	.8	.8	.8	.8	.9	.9	.9	.9	.9	1.0	1.0	1.0

A-51. Employed persons by sex and age, seasonally adjusted

[Numbers in thousands]

Sex and age	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total, 16 years and over	86,043	86,139	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370
16 to 19 years	7,426	7,355	7,318	7,064	7,025	7,040	7,038	7,179	7,348	7,295	7,241	7,373	7,622
16 to 17 years	3,079	3,085	3,043	2,959	2,891	2,878	2,891	2,916	2,935	2,960	2,886	2,965	3,064
18 to 19 years	4,337	4,269	4,273	4,117	4,128	4,186	4,147	4,261	4,398	4,350	4,356	4,420	4,544
20 to 24 years	11,917	11,909	11,903	11,617	11,573	11,696	11,665	12,033	12,328	12,360	12,372	12,646	12,818
25 years and over	66,705	66,854	66,359	65,725	65,811	66,281	66,540	67,321	67,826	68,123	68,517	69,025	69,947
25 to 54 years	52,922	53,183	52,813	52,203	52,267	52,817	53,111	53,873	54,389	54,645	54,873	55,512	56,200
55 years and over	13,749	13,680	13,557	13,535	13,516	13,484	13,443	13,468	13,404	13,494	13,648	13,544	13,716
Males, 16 years and over	52,599	52,474	52,188	51,219	51,041	51,309	51,323	51,936	52,406	52,550	52,673	53,078	53,761
16 to 19 years	4,104	4,036	4,002	3,820	3,787	3,798	3,797	3,863	3,926	3,922	3,901	3,972	4,143
16 to 17 years	1,730	1,721	1,698	1,633	1,601	1,587	1,585	1,581	1,592	1,627	1,596	1,606	1,696
18 to 19 years	2,364	2,321	2,302	2,198	2,182	2,229	2,206	2,277	2,323	2,307	2,302	2,374	2,434
20 to 24 years	6,649	6,593	6,586	6,364	6,286	6,341	6,366	6,612	6,761	6,757	6,833	6,971	6,985
25 years and over	41,850	41,824	41,617	41,032	40,974	41,156	41,175	41,464	41,725	41,842	41,956	42,150	42,649
25 to 54 years	33,114	33,138	32,956	32,471	32,462	32,661	32,803	33,137	33,355	33,399	33,504	33,767	34,096
55 years and over	8,725	8,681	8,674	8,561	8,502	8,489	8,390	8,329	8,360	8,436	8,474	8,409	8,532
Females, 16 years and over	33,445	33,665	33,389	33,172	33,365	33,719	33,924	34,578	35,094	35,254	35,460	35,920	36,609
16 to 19 years	3,322	3,319	3,316	3,244	3,237	3,242	3,241	3,317	3,422	3,373	3,341	3,401	3,479
16 to 17 years	1,349	1,364	1,345	1,326	1,291	1,291	1,306	1,335	1,343	1,333	1,290	1,359	1,368
18 to 19 years	1,973	1,948	1,971	1,919	1,946	1,957	1,941	1,984	2,075	2,043	2,054	2,045	2,110
20 to 24 years	5,268	5,316	5,317	5,252	5,287	5,354	5,299	5,422	5,568	5,603	5,539	5,675	5,833
25 years and over	24,854	25,030	24,742	24,693	24,837	25,125	25,366	25,857	26,100	26,281	26,561	26,875	27,297
25 to 54 years	19,807	20,045	19,857	19,732	19,806	20,156	20,307	20,736	21,034	21,246	21,369	21,745	22,103
55 years and over	5,024	4,998	4,883	4,974	5,014	4,995	5,053	5,139	5,044	5,058	5,175	5,135	5,184

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-52. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
Total employed	86,043	86,139	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370
Household heads	50,900	50,894	50,614	49,882	49,912	50,258	50,276	50,795	51,151	51,114	51,347	51,803	52,327
Married men, spouse present	39,042	38,844	38,584	37,892	37,860	37,933	37,832	38,032	38,181	38,155	37,961	38,216	38,542
Married women, spouse present	19,601	19,756	19,593	19,367	19,434	19,608	19,816	20,058	20,249	20,408	20,455	20,743	20,956
Occupation													
White-collar workers	41,770	41,827	41,873	41,884	42,181	42,435	42,412	43,096	43,590	43,752	44,384	44,489	44,805
Professional and technical	12,356	12,461	12,335	12,511	12,713	12,870	12,909	13,138	13,222	13,448	13,523	13,430	13,571
Managers and administrators, except farm	9,082	8,818	8,830	8,777	8,849	8,948	8,989	9,169	9,274	9,327	9,497	9,553	9,468
Sales workers	5,382	5,418	5,433	5,447	5,508	5,500	5,387	5,344	5,488	5,500	5,654	5,668	5,711
Clerical workers	14,950	15,130	15,276	15,149	15,112	15,117	15,128	15,446	15,606	15,477	15,710	15,818	16,055
Blue-collar workers	29,910	29,808	29,261	28,021	27,776	27,869	28,167	28,789	29,105	28,919	29,024	29,859	30,349
Craft and kindred workers	11,527	11,510	11,351	10,905	10,902	10,974	11,098	11,218	11,239	11,318	11,336	11,668	11,894
Operatives, except transport	10,762	10,667	10,270	9,699	9,530	9,544	9,770	10,119	10,213	9,989	10,029	10,422	10,434
Transport equipment operatives	3,288	3,334	3,246	3,248	3,209	3,221	3,199	3,213	3,320	3,272	3,279	3,431	3,528
Nonfarm laborers	4,334	4,297	4,394	4,169	4,135	4,130	4,100	4,239	4,334	4,340	4,380	4,338	4,493
Service workers	11,338	11,467	11,500	11,616	11,545	11,658	11,807	11,853	12,007	12,203	11,959	12,054	12,441
Farm workers	3,068	2,962	2,941	2,880	2,955	3,001	2,874	2,790	2,861	2,849	2,788	2,646	2,840
Major industry and class of worker													
Agriculture:													
Wage and salary workers	1,319	1,317	1,348	1,230	1,252	1,340	1,275	1,310	1,323	1,318	1,325	1,269	1,339
Self-employed workers	1,746	1,729	1,675	1,720	1,737	1,719	1,685	1,611	1,659	1,665	1,609	1,505	1,599
Unpaid family workers	409	375	363	374	395	398	356	319	354	344	342	337	379
Nonagricultural industries:													
Wage and salary workers	76,395	76,509	76,060	74,996	74,929	75,488	75,763	77,073	78,003	78,371	78,740	79,531	80,516
Private households	1,414	1,379	1,305	1,340	1,386	1,338	1,327	1,277	1,343	1,406	1,403	1,340	1,338
Government	14,032	14,033	14,156	14,341	14,475	14,651	14,645	14,857	14,854	15,116	15,003	14,950	14,999
Other	60,949	61,098	60,599	59,314	59,068	59,499	59,791	60,940	61,806	61,850	62,334	63,241	64,180
Self-employed workers	5,674	5,702	5,676	5,546	5,609	5,624	5,722	5,683	5,673	5,667	5,734	5,875	6,000
Unpaid family workers	490	479	485	494	460	458	502	480	460	441	452	490	522
Persons at work¹													
Nonagricultural industries:													
Full-time schedules	64,202	64,452	63,421	62,093	61,968	62,009	63,164	64,367	64,529	64,971	65,395	66,168	66,927
Part-time for economic reasons	2,497	2,722	3,162	3,639	3,635	3,348	3,321	3,237	3,210	3,230	3,482	3,345	3,277
Usually work full time	1,170	1,275	1,605	1,874	1,704	1,499	1,403	1,283	1,357	1,346	1,287	1,220	1,274
Usually work part time	1,327	1,447	1,557	1,766	1,931	1,849	1,918	1,954	1,853	1,884	2,195	2,125	2,003
Part time for noneconomic reasons	10,362	10,584	10,500	10,445	10,626	10,740	10,574	10,731	10,901	11,147	11,048	11,154	11,260

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

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted

[Numbers in thousands]

Characteristic	1974			1975				1976				1977	
	II	III	IV	I	II	III	IV	I	II	III	IV	I	II
TOTAL													
Total not in labor force . . .	57,575	57,649	57,935	58,378	58,341	58,614	59,215	59,327	59,032	58,963	59,132	59,379	58,908
Do not want job now	53,245	52,988	53,333	52,885	53,414	53,575	54,050	53,831	53,938	54,715	53,991	53,792	53,190
Current activity:													
Going to school	5,850	6,072	6,139	6,146	6,344	6,404	6,387	6,360	6,249	6,879	6,338	6,101	6,137
Ill, disabled	4,741	4,824	4,875	4,944	4,816	4,671	4,739	4,710	4,675	4,875	4,603	4,739	4,482
Keeping house	32,053	31,804	31,594	31,171	31,494	31,272	31,387	30,970	31,055	30,688	30,338	30,555	30,237
Retired	7,386	7,403	7,528	7,660	7,657	7,822	8,277	8,304	8,470	8,785	8,828	8,717	9,012
Other	3,215	2,884	3,197	2,964	3,104	3,407	3,260	3,487	3,488	3,491	3,884	3,686	3,323
Want a job now	4,393	4,607	4,671	5,211	5,084	5,354	5,256	5,388	5,426	4,339	5,436	5,663	5,762
Reason not looking:													
School attendance	1,188	1,334	1,221	1,446	1,397	1,508	1,535	1,422	1,529	1,151	1,559	1,546	1,445
Ill health, disability	594	710	652	651	626	675	725	718	763	491	627	692	830
Home responsibilities	1,039	1,033	1,029	1,182	1,070	1,073	1,115	1,222	1,227	1,024	1,273	1,266	1,304
Think cannot get job	640	628	825	1,064	1,123	1,171	977	940	903	827	992	929	1,061
Job-market factors	437	423	570	868	809	957	803	649	617	568	762	644	726
Personal factors	203	205	255	196	314	214	174	291	286	259	230	285	335
Other reasons ¹	932	901	943	868	869	927	903	1,086	1,004	847	985	1,229	1,122
Males													
Total not in labor force . . .	14,892	15,097	15,128	15,590	15,594	15,707	16,177	16,443	16,274	16,280	16,304	16,637	16,492
Do not want job now	13,448	13,417	13,712	13,766	14,031	14,280	14,563	14,626	14,680	15,244	14,777	14,849	14,647
Want a job now	1,341	1,476	1,453	1,610	1,576	1,739	1,707	1,702	1,658	1,297	1,671	1,715	1,770
Reason not looking:													
School attendance	610	670	649	774	699	783	751	716	767	574	746	786	745
Ill health, disability	254	293	276	275	277	308	338	325	333	199	269	307	357
Think cannot get job	235	226	277	336	373	392	340	366	308	281	341	283	316
Other reasons ¹	242	286	250	226	227	257	277	294	249	243	315	339	352
Females													
Total not in labor force . . .	42,684	42,552	42,808	42,789	42,747	42,907	43,039	42,884	42,758	42,683	42,828	42,742	42,416
Do not want job now	39,797	39,571	39,621	39,119	39,383	39,295	39,487	39,205	39,257	39,471	39,215	38,943	38,543
Want a job now	3,052	3,131	3,217	3,601	3,508	3,615	3,549	3,686	3,768	3,042	3,765	3,948	3,992
Reason not looking:													
School attendance	578	664	572	673	698	726	784	706	762	577	813	760	699
Ill health, disability	340	417	376	376	348	366	387	393	430	292	358	385	473
Home responsibilities	1,039	1,033	1,029	1,182	1,070	1,073	1,115	1,222	1,227	1,024	1,273	1,266	1,304
Think cannot get job	405	402	548	728	749	780	637	574	595	546	651	647	745
Other reasons	690	615	692	642	642	670	626	792	755	604	670	890	770
White													
Total not in labor force . . .	50,715	50,723	50,869	51,249	51,165	51,346	51,797	51,939	51,659	51,500	51,599	51,751	51,384
Do not want job now	47,331	47,193	47,180	46,963	47,389	47,447	47,885	47,680	47,701	48,170	47,499	47,364	47,125
Want a job now	3,386	3,544	3,644	4,012	3,906	4,103	3,976	4,092	4,098	3,403	4,175	4,313	4,360
Reason not looking:													
School attendance	908	1,026	911	1,110	1,090	1,120	1,151	1,087	1,119	934	1,109	1,206	1,045
Ill health, disability	432	515	498	484	457	483	520	500	529	354	445	508	675
Home responsibilities	802	796	831	930	856	886	839	920	943	809	1,034	986	1,007
Think cannot get job	500	475	630	785	782	845	697	700	694	601	755	665	741
Other reasons	743	732	774	703	721	768	769	886	813	705	831	948	892
Black and other													
Total not in labor force . . .	6,894	6,939	7,020	7,133	7,195	7,259	7,360	7,375	7,418	7,483	7,473	7,535	7,572
Do not want job now	5,872	5,905	6,014	5,909	5,998	6,078	6,128	6,085	6,072	6,552	6,227	6,202	6,082
Want a job now	987	1,080	1,015	1,182	1,144	1,268	1,261	1,271	1,311	966	1,241	1,343	1,395
Reason not looking:													
School attendance	282	304	291	336	305	373	355	341	410	232	408	342	413
Ill health, disability	158	195	145	171	168	197	195	227	237	137	180	192	163
Home responsibilities	248	275	219	276	234	234	304	306	289	249	270	279	285
Think cannot get job	137	160	201	281	308	336	292	233	204	226	250	280	287
Other reasons	162	147	159	118	130	129	115	163	171	122	132	249	246

¹ Includes small number of men not looking for work because of home responsibilities.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-54. Job desire of persons not in labor force and reasons for not seeking work by age and sex

[In thousands]

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	
Total											
Total not in labor force	59,186	59,042	7,315	7,095	4,698	4,685	23,444	23,089	23,729	24,136	
Do not want a job now	53,377	52,807	5,385	5,116	3,701	3,631	21,076	20,482	23,215	23,581	
Current activity:											
Going to school	5,505	5,549	3,880	3,703	1,167	1,318	430	509	27	19	
Ill, disabled	4,736	4,539	41	46	112	134	2,318	2,247	2,266	2,114	
Keeping house	31,189	30,359	609	592	2,022	1,814	16,565	15,928	11,992	12,024	
Retired	8,531	9,082	--	--	--	3	142	150	8,388	8,930	
Other	3,417	3,278	855	775	401	362	1,620	1,648	542	494	
Want a job now	5,809	6,198	1,930	1,980	997	1,055	2,368	2,606	514	554	
Reason not looking:											
School attendance	2,083	2,092	1,495	1,479	412	411	177	196	--	7	
Ill health, disability	709	766	36	34	59	43	471	510	142	178	
Home responsibilities	1,160	1,234	88	105	238	249	771	840	62	39	
Think cannot get job	904	1,039	155	145	119	166	454	516	175	211	
Job-market factors	648	759	119	109	82	130	372	433	77	85	
Personal factors	257	280	36	35	38	35	85	81	98	127	
Other reasons ¹	953	1,067	156	217	169	186	495	544	135	119	
Males											
Total not in labor force	16,186	16,399	3,182	3,049	1,294	1,338	3,036	3,079	8,674	8,934	
Do not want a job now	14,194	14,287	2,264	2,119	927	949	2,570	2,565	8,432	8,654	
Current activity:											
Going to school	2,719	2,669	1,830	1,728	625	700	259	239	5	2	
Ill, disabled	2,670	2,554	20	20	50	67	1,347	1,292	1,254	1,176	
Keeping house	218	260	11	24	12	--	53	59	142	178	
Retired	6,734	7,044	--	--	--	3	127	138	6,606	6,902	
Other	1,853	1,760	404	347	239	179	785	837	427	396	
Want a job now	1,992	2,112	918	929	367	389	466	514	242	280	
Reason not looking:											
School attendance	1,088	1,094	747	750	251	234	90	110	--	--	
Ill health, disability	319	342	21	11	30	23	187	216	80	92	
Think cannot get job	326	316	87	53	36	56	109	90	95	117	
Other reasons ¹	259	360	63	115	50	76	80	98	67	71	
Females											
Total not in labor force	43,000	42,643	4,133	4,046	3,404	3,347	20,408	20,009	15,055	15,202	
Do not want a job now	39,183	38,519	3,122	2,995	2,776	2,682	18,505	17,912	14,781	14,928	
Current activity:											
Going to school	2,786	2,879	2,050	1,974	543	617	171	270	22	17	
Ill, disabled	2,066	1,985	22	26	62	67	971	953	1,011	938	
Keeping house	30,970	30,099	598	568	2,010	1,814	16,513	15,869	11,850	11,847	
Retired	1,797	2,038	--	--	--	--	15	10	1,782	2,028	
Other	1,564	1,518	452	427	162	184	835	810	116	98	
Want a job now	3,817	4,085	1,011	1,051	628	665	1,903	2,096	274	275	
Reason not looking:											
School attendance	995	998	748	729	160	177	88	86	--	7	
Ill health, disability	390	424	15	23	28	20	283	296	63	86	
Home responsibilities	1,160	1,234	88	105	238	249	771	840	62	39	
Think cannot get job	578	723	68	92	84	109	346	427	80	95	
Other reasons ¹	694	706	92	102	118	110	415	447	69	48	

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-55. Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex

[In thousands]

Reasons for not seeking work	Total		Age in years						Males		Females	
			16-24		25-59		60 and over					
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
WHITE												
Total not in labor force	51,751	51,455	9,652	9,331	20,584	20,228	21,515	21,895	13,786	13,940	37,965	37,515
Do not want a job now	47,364	46,780	7,463	7,154	18,827	18,227	21,071	21,404	12,289	12,291	35,075	34,489
Current activity:												
Going to school	4,436	4,363	4,048	3,952	362	398	25	15	2,218	2,104	2,218	2,259
Ill, disabled	3,872	3,681	133	138	1,857	1,796	1,882	1,749	2,193	2,104	1,679	1,577
Keeping house	28,422	27,703	2,253	2,120	15,112	14,513	11,057	11,067	190	220	28,232	27,483
Retired	7,758	8,264	--	--	133	147	7,625	8,117	6,149	6,415	1,609	1,849
Other	2,877	2,767	1,027	939	1,366	1,372	482	458	1,539	1,448	1,338	1,319
Want a job now	4,387	4,675	2,189	2,177	1,757	2,001	444	491	1,497	1,649	2,890	3,026
Reason not looking:												
School attendance	1,590	1,579	1,464	1,429	127	141	--	7	834	825	756	754
Ill health, disability	473	602	54	69	302	388	117	144	230	289	243	313
Home responsibilities ¹	854	934	219	205	591	694	44	35	--	--	854	934
Think cannot get job	676	716	180	200	338	327	157	189	231	244	445	472
Other reasons	794	844	272	274	399	451	126	116	202	291	592	553
BLACK AND OTHER												
Total not in labor force	7,434	7,588	2,361	2,449	2,857	2,860	2,214	2,280	2,400	2,459	5,034	5,129
Do not want a job now	6,013	6,066	1,625	1,593	2,247	2,255	2,142	2,217	1,906	1,997	4,107	4,069
Current activity:												
Going to school	1,071	1,185	998	1,073	68	112	2	4	503	565	568	620
Ill, disabled	864	857	19	41	462	449	383	366	477	450	387	407
Keeping house	2,767	2,655	378	283	1,456	1,414	935	958	29	40	2,738	2,615
Retired	774	815	--	--	10	2	764	813	585	626	189	189
Other	540	514	228	200	252	276	59	36	314	315	226	199
Want a job now	1,421	1,522	736	856	610	605	72	63	494	462	927	1,060
Reason not looking:												
School attendance	492	513	442	458	51	53	--	--	253	269	239	244
Ill health, disability	236	164	41	9	168	122	26	34	89	52	147	112
Home responsibilities ¹	306	300	108	150	179	147	19	5	--	--	306	300
Think cannot get job	229	322	94	111	117	190	17	22	96	72	133	250
Other reasons	158	223	51	128	95	93	10	2	56	69	102	154

¹ Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

A-56. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

[In thousands]

2nd Quarter 1977

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	155	19	2	15	119	142	13
Lacks education or training	64	14	17	31	2	42	22
Other personal handicap	61	2	16	35	6	42	19
Job-market factors:							
Could not find job	465	58	92	272	42	263	202
Thinks no job available	294	51	38	161	43	227	66
Males							
Personal factors:							
Employers think too young or old	84	8	--	4	72	75	9
Lacks education or training	11	4	3	2	2	7	4
Other personal handicap	22	--	6	13	2	17	4
Job-market factors:							
Could not find job	137	27	39	51	21	88	49
Thinks no job available	63	15	8	19	20	57	6
Females							
Personal factors:							
Employers think too young or old	71	11	2	11	47	67	4
Lacks education or training	53	10	14	29	--	35	18
Other personal handicap	39	2	10	23	4	25	15
Job-market factors:							
Could not find job	328	32	54	221	21	175	153
Thinks no job available	231	36	30	142	23	170	60

HOUSEHOLD DATA QUARTERLY AVERAGES

A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex

[Numbers in thousands]

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
Total, not in labor force	59,185	59,042	12,013	11,780	23,444	23,088	23,729	24,174	51,751	51,455	7,434	7,588
Never worked	10,172	9,844	5,203	5,016	2,330	2,298	2,639	2,529	8,345	7,893	1,826	1,951
Last worked over 5 years ago	28,286	28,388	354	297	12,092	11,607	15,840	16,483	25,358	25,416	2,928	2,972
Last worked 1 to 5 years ago	11,444	11,250	2,095	1,980	5,517	5,469	3,834	3,800	10,027	9,865	1,418	1,384
Left job during previous 12 months	9,283	9,521	4,362	4,484	3,505	3,713	1,415	1,324	8,021	8,280	1,263	1,241
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	38.2	40.0	51.8	51.0	35.1	39.3	4.3	5.0	39.3	40.5	31.8	36.8
Ill health, disability	9.5	8.3	2.4	2.4	15.6	13.0	16.1	15.2	8.4	8.4	16.3	8.1
Retirement, old age	8.9	8.1	--	--	2.8	2.5	51.1	51.6	9.7	8.8	3.6	4.0
Economic reasons	21.0	20.3	18.8	19.0	24.3	23.0	19.6	17.0	20.2	19.4	26.4	26.1
End of seasonal job	7.8	8.4	8.0	9.2	8.0	7.6	6.9	8.0	7.5	7.8	9.7	12.6
Slack work	6.1	6.2	4.1	5.0	8.6	8.4	6.6	3.8	5.9	5.8	7.8	8.8
End of temporary job	7.0	5.7	6.8	4.8	7.7	7.0	6.1	5.2	6.7	5.9	8.9	4.7
All other reasons	22.4	23.2	26.9	27.6	22.3	22.2	8.9	11.2	22.5	22.9	21.9	25.0
Males, not in labor force	16,186	16,399	4,476	4,387	3,035	3,079	8,674	8,934	13,786	13,940	2,400	2,459
Never worked	2,323	2,140	2,022	1,909	229	190	72	42	1,749	1,541	574	599
Last worked over 5 years ago	6,677	7,002	41	22	1,061	1,143	5,574	5,836	5,857	6,075	820	927
Last worked 1 to 5 years ago	3,774	3,814	509	481	1,069	1,037	2,195	2,294	3,268	3,382	506	431
Left job during previous 12 months	3,412	3,443	1,902	1,974	676	707	832	760	2,912	2,941	500	502
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	29.1	31.3	46.3	47.2	14.2	18.4	1.9	2.0	29.5	32.0	27.2	27.4
Ill health, disability	12.2	11.9	2.7	2.5	33.5	29.7	16.9	20.0	11.1	12.1	19.0	10.7
Retirement, old age	15.7	14.6	--	--	7.0	9.5	58.9	57.6	17.5	15.8	5.4	7.8
Economic reasons	19.0	18.1	20.0	19.9	19.4	17.8	16.2	13.6	17.8	17.0	26.2	24.3
End of seasonal job	7.4	9.1	9.3	11.4	2.8	4.0	6.7	7.8	7.1	8.5	9.6	12.3
Slack work	6.3	5.5	4.0	4.9	12.7	9.3	6.3	3.6	5.8	5.2	9.2	7.6
End of temporary job	5.3	3.5	6.6	3.6	3.9	4.5	3.2	2.2	4.9	3.3	7.4	4.4
All other reasons	23.9	24.0	31.0	30.4	25.9	24.7	6.0	6.8	24.2	23.1	22.2	29.8
Females, not in labor force	43,000	42,643	7,537	7,394	20,408	20,009	15,055	15,241	37,965	37,515	5,034	5,129
Never worked	7,848	7,704	3,181	3,109	2,101	2,110	2,567	2,487	6,596	6,352	1,252	1,352
Last worked over 5 years ago	21,609	21,386	312	274	11,031	10,463	10,643	10,648	19,501	19,341	2,108	2,045
Last worked 1 to 5 years ago	7,671	7,436	1,586	1,500	4,447	4,431	1,639	1,505	6,759	6,483	912	953
Left job during previous 12 months	5,872	6,078	2,459	2,509	2,828	3,005	584	563	5,109	5,339	763	739
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.5	45.0	56.0	54.0	40.1	44.2	7.7	9.1	44.8	45.2	34.8	43.2
Ill health, disability	7.9	6.3	2.3	2.4	11.4	9.1	14.9	8.7	6.9	6.3	14.6	6.2
Retirement, old age	4.8	4.5	--	--	1.8	.9	40.0	43.5	5.2	4.9	2.4	1.5
Economic reasons	22.2	21.5	17.9	18.2	25.4	24.3	24.4	21.8	21.5	20.7	26.5	27.3
End of seasonal job	8.1	8.0	6.9	7.5	9.3	8.4	7.0	8.5	7.8	7.3	9.8	12.9
Slack work	6.1	6.5	4.1	5.1	7.6	8.2	7.0	4.1	6.0	6.1	6.8	9.6
End of temporary job	8.0	7.0	6.9	5.7	8.5	7.6	10.3	9.2	7.8	7.3	9.8	4.9
All other reasons	21.6	22.7	23.7	25.5	21.4	21.6	13.0	16.9	21.5	22.9	21.8	21.8

A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex

[In thousands]

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
Total	50,686	49,946	7,286	6,780	20,170	19,550	23,231	23,615	44,944	44,301	5,742	5,645
Do not intend to seek work	8,499	9,057	4,727	4,999	3,274	3,536	498	522	6,807	7,154	1,692	1,904
Intend to seek work in the next 12 months	1,789	1,799	1,704	1,690	85	99	--	11	1,347	1,251	443	550
Never worked	1,082	1,153	52	66	914	955	117	132	919	935	162	218
Last worked over 5 years ago	1,958	2,009	683	769	1,058	1,055	2.7	185	1,536	1,537	423	472
Last worked 1 to 5 years ago	3,670	4,096	2,289	2,474	1,216	1,430	165	195	3,005	3,431	665	665
Worked during previous 12 months												
Males	13,287	13,382	2,409	2,220	2,451	2,482	8,427	8,679	11,511	11,539	1,776	1,843
Do not intend to seek work	2,899	3,017	2,068	2,166	583	596	248	255	2,275	2,401	624	616
Intend to seek work in the next 12 months	757	711	742	702	15	8	--	--	563	495	194	217
Never worked	119	129	10	4	64	80	46	44	86	94	33	35
Last worked over 5 years ago	549	529	236	258	214	176	100	95	431	427	118	102
Last worked 1 to 5 years ago	1,474	1,648	1,080	1,201	292	331	103	115	1,195	1,385	279	263
Worked during previous 12 months												
Females	37,399	36,564	4,877	4,560	17,717	17,067	14,804	14,935	33,433	32,762	3,966	3,802
Do not intend to seek work	5,601	6,040	2,659	2,833	2,691	2,940	250	267	4,532	4,753	1,068	1,288
Intend to seek work in the next 12 months	1,033	1,088	963	988	71	90	--	11	784	756	249	333
Never worked	962	1,024	41	62	851	873	71	88	833	841	129	183
Last worked over 5 years ago	1,409	1,480	447	511	845	880	117	89	1,105	1,110	305	370
Last worked 1 to 5 years ago	2,196	2,448	1,208	1,272	924	1,096	62	79	1,810	2,046	386	402
Worked during previous 12 months												

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A-59. Employment status of the civilian noninstitutional population and the white, black, and Spanish origin components by sex and age

[Numbers in thousands]

Employment status	Total		White		Black ¹		Spanish origin ²	
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
TOTAL								
Civilian noninstitutional population	153,576	156,094	135,303	137,333	15,909	16,264	6,696	7,042
Civilian labor force	94,390	97,051	83,552	85,878	9,364	9,653	4,040	4,308
Percent of population	61.5	62.2	61.8	62.5	58.9	59.4	60.3	61.2
Employment	87,440	90,327	78,004	80,580	8,085	8,370	3,590	3,881
Agriculture	3,489	3,480	3,217	3,221	224	218	197	232
Nonagricultural industries	83,951	86,848	74,787	77,359	7,861	8,152	3,393	3,654
Unemployment	6,950	6,724	5,548	5,298	1,279	1,283	450	422
Unemployment rate	7.4	6.9	6.6	6.2	13.7	13.3	11.1	9.8
Not in labor force	59,186	59,042	51,751	51,455	6,545	6,611	2,656	2,734
Males, 20 years and over								
Civilian noninstitutional population	64,400	65,635	57,348	58,385	6,073	6,233	2,689	2,866
Civilian labor force	51,396	52,285	46,046	46,786	4,575	4,698	2,247	2,410
Percent of population	79.8	79.7	80.3	80.1	75.3	75.4	83.6	84.1
Employment	48,499	49,636	43,691	44,648	4,084	4,248	2,057	2,227
Agriculture	2,478	2,406	2,270	2,220	173	157	143	152
Nonagricultural industries	46,021	47,230	41,422	42,428	3,911	4,091	1,914	2,075
Unemployment	2,897	2,649	2,355	2,138	491	450	190	184
Unemployment rate	5.6	5.1	5.1	4.6	10.7	9.6	8.5	7.6
Not in labor force	13,004	13,350	11,302	11,599	1,499	1,535	441	455
Females, 20 years and over								
Civilian noninstitutional population	72,754	73,984	64,006	64,965	7,575	7,810	3,139	3,233
Civilian labor force	33,887	35,386	29,327	30,631	3,969	4,148	1,393	1,450
Percent of population	46.6	47.8	45.8	47.2	52.4	53.1	44.4	44.8
Employment	31,578	33,045	27,494	28,831	3,539	3,664	1,233	1,312
Agriculture	535	614	494	569	34	36	32	52
Nonagricultural industries	31,044	32,431	27,000	28,263	3,505	3,627	1,201	1,259
Unemployment	2,308	2,342	1,832	1,799	430	485	160	138
Unemployment rate	6.8	6.6	6.2	5.9	10.8	11.7	11.5	9.5
Not in labor force	38,868	38,597	34,679	34,334	3,606	3,662	1,746	1,783
Both sexes, 16-19 years								
Civilian noninstitutional population	16,422	16,475	13,950	13,983	2,261	2,221	868	943
Civilian labor force	9,107	9,380	8,180	8,461	820	807	400	447
Percent of population	55.5	56.9	58.6	60.5	36.3	36.3	46.1	47.4
Employment	7,363	7,646	6,819	7,100	462	459	300	348
Agriculture	476	459	454	432	18	25	22	28
Nonagricultural industries	6,886	7,187	6,365	6,668	444	434	279	320
Unemployment	1,744	1,734	1,361	1,361	358	348	99	100
Unemployment rate	19.2	18.5	16.6	16.1	43.7	43.1	24.9	22.3
Not in labor force	7,315	7,095	5,770	5,521	1,441	1,415	469	496

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

means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

² Data on persons of Spanish origin are tabulated separately, without regard to race, which

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A-60. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted		Seasonally adjusted								
			1975			1976				1977	
	II 1976	II 1977	II	III	IV	I	II	III	IV	I	II
VETERANS¹											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	6,668	6,848	6,423	6,488	6,584	6,640	6,668	6,710	6,797	6,853	6,848
Civilian labor force	6,301	6,494	6,030	6,106	6,186	6,223	6,312	6,335	6,427	6,495	6,503
Employed	5,820	6,006	5,457	5,522	5,575	5,746	5,832	5,808	5,880	6,033	6,017
Unemployed	481	488	573	585	610	478	480	527	547	462	486
Unemployment rate	7.6	7.5	9.5	9.6	9.9	7.7	7.6	8.3	8.5	7.1	7.5
20 to 24 years											
Civilian noninstitutional population ²	1,088	1,069	1,187	1,146	1,128	1,101	1,088	1,071	1,083	1,084	1,069
Civilian labor force	946	933	1,042	1,003	967	926	951	931	957	963	938
Employed	792	793	822	812	756	765	793	758	789	804	794
Unemployed	154	140	220	191	211	161	158	173	168	159	144
Unemployment rate	16.3	15.0	21.1	19.0	21.8	17.4	16.6	18.6	17.5	16.5	15.4
25 to 29 years											
Civilian noninstitutional population ²	3,328	3,039	3,486	3,471	3,463	3,421	3,328	3,250	3,186	3,109	3,039
Civilian labor force	3,158	2,896	3,285	3,286	3,292	3,240	3,160	3,063	3,017	2,941	2,896
Employed	2,934	2,673	3,041	3,009	3,002	3,015	2,940	2,840	2,763	2,732	2,678
Unemployed	224	223	245	277	290	225	220	223	254	209	218
Unemployment rate	7.1	7.7	7.4	8.4	8.8	6.9	7.0	7.3	8.4	7.1	7.5
30 to 34 years											
Civilian noninstitutional population ²	2,252	2,740	1,750	1,871	1,993	2,118	2,252	2,389	2,528	2,660	2,740
Civilian labor force	2,197	2,665	1,703	1,817	1,927	2,057	2,201	2,341	2,453	2,590	2,669
Employed	2,094	2,540	1,594	1,701	1,818	1,965	2,099	2,210	2,328	2,497	2,545
Unemployed	103	125	109	116	109	92	103	131	125	94	124
Unemployment rate	4.7	4.7	6.4	6.4	5.7	4.5	4.7	5.6	5.1	3.6	4.6
NONVETERANS											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	16,640	17,445	15,767	16,006	16,200	16,419	16,640	16,849	16,999	17,191	17,445
Civilian labor force	15,026	15,746	14,190	14,395	14,520	14,747	15,000	15,180	15,474	15,617	16,054
Employed	13,814	14,612	12,748	12,911	13,110	13,499	13,811	13,884	14,066	14,336	14,939
Unemployed	1,212	1,134	1,442	1,484	1,410	1,248	1,189	1,296	1,408	1,281	1,115
Unemployment rate	8.1	7.2	10.2	10.3	9.7	8.5	7.9	8.5	9.1	8.2	6.9
20 to 24 years											
Civilian noninstitutional population ²	7,885	8,106	7,526	7,639	7,723	7,819	7,885	7,951	7,982	8,037	8,106
Civilian labor force	6,733	6,904	6,343	6,433	6,465	6,621	6,693	6,716	6,881	6,931	6,863
Employed	5,983	6,209	5,470	5,518	5,613	5,856	5,975	5,985	6,045	6,179	6,196
Unemployed	750	695	873	915	852	765	718	731	835	752	667
Unemployment rate	11.1	10.1	13.8	14.2	13.2	11.6	10.7	10.9	12.1	10.8	9.7
25 to 29 years											
Civilian noninstitutional population ²	4,972	5,301	4,368	4,493	4,626	4,775	4,972	5,120	5,173	5,240	5,301
Civilian labor force	4,669	4,982	4,133	4,243	4,355	4,487	4,678	4,843	4,882	4,943	4,991
Employed	4,385	4,701	3,785	3,882	4,030	4,191	4,385	4,465	4,512	4,580	4,701
Unemployed	284	281	348	361	326	296	293	378	370	363	290
Unemployment rate	6.1	5.6	8.4	8.5	7.5	6.6	6.3	7.8	7.6	7.3	5.8
30 to 34 years											
Civilian noninstitutional population ²	3,783	4,038	3,874	3,874	3,851	3,825	3,783	3,778	3,844	3,914	4,038
Civilian labor force	3,624	3,860	3,715	3,720	3,700	3,638	3,630	3,621	3,711	3,743	3,866
Employed	3,446	3,702	3,493	3,512	3,468	3,452	3,452	3,434	3,509	3,577	3,709
Unemployed	178	158	222	208	232	187	178	187	202	165	157
Unemployment rate	4.9	4.1	6.0	5.6	6.3	5.1	4.9	5.2	5.4	4.4	4.1

¹ Vietnam-era veterans are those who served between August 5, 1964, and May 7, 1975.

² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-61. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years by age and race

(Numbers in thousands)

Employment status	Veterans ¹						Nonveterans					
	White			Black and other			White			Black and other		
	II 1976	I 1977	II 1977	II 1976	I 1977	II 1977	II 1976	I 1977	II 1977	II 1976	I 1977	II 1977
Total, 20 to 34 years:												
Civilian noninstitutional population	5,987	6,147	6,160	681	706	688	14,482	14,960	15,163	2,158	2,231	2,282
Civilian labor force	5,695	5,864	5,877	606	630	617	13,184	13,522	13,820	1,842	1,874	1,926
Employed	5,309	5,379	5,486	511	531	520	12,212	12,332	12,941	1,602	1,574	1,671
Unemployed	386	485	391	95	99	97	972	1,190	879	240	300	255
Unemployment rate	6.8	8.3	6.7	15.7	15.7	15.7	7.4	8.8	6.4	13.0	16.0	13.2
20 to 24 years												
Civilian noninstitutional population	925	921	887	163	163	182	6,895	7,023	7,100	990	1,014	1,006
Civilian labor force	816	834	786	130	133	147	5,941	5,938	6,133	792	791	771
Employed	698	669	690	94	99	103	5,338	5,269	5,590	645	613	619
Unemployed	118	165	96	36	34	44	603	669	543	147	178	152
Unemployment rate	14.5	19.8	12.2	27.7	25.6	29.9	10.1	11.3	8.9	18.6	22.5	19.7
25 to 29 years												
Civilian noninstitutional population	3,013	2,812	2,757	315	297	282	4,335	4,560	4,600	637	680	701
Civilian labor force	2,875	2,683	2,638	283	266	258	4,104	4,324	4,352	565	599	630
Employed	2,683	2,467	2,450	251	221	223	2,877	3,972	4,132	508	514	569
Unemployed	192	216	188	32	45	35	227	352	220	57	85	61
Unemployment rate	6.7	8.1	7.1	11.3	16.9	13.6	5.5	8.1	5.1	10.1	14.2	9.7
30 to 34 years												
Civilian noninstitutional population	2,049	2,414	2,516	203	246	224	3,252	3,377	3,463	531	537	575
Civilian labor force	2,004	2,347	2,453	193	231	212	3,139	3,260	3,335	485	484	525
Employed	1,928	2,243	2,346	166	211	194	2,997	3,091	3,219	449	447	483
Unemployed	76	104	107	27	20	18	142	169	116	36	37	42
Unemployment rate	3.8	4.4	4.4	14.0	8.7	8.5	4.5	5.2	3.5	7.4	7.6	8.0

¹ See footnote 1, table A-60.

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-62. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
Total												
Civilian noninstitutional population	104,876	106,097	45,143	45,206	59,733	60,891	48,701	49,996	4,863	4,756	43,838	45,240
Civilian labor force	65,582	66,837	27,252	27,338	38,330	39,499	28,808	30,215	3,069	2,976	25,739	27,239
Percent of population	62.5	63.0	60.4	60.5	64.2	64.9	59.2	60.4	63.1	62.6	58.7	60.2
Employed	60,505	62,069	24,810	25,040	35,695	37,029	26,935	28,258	3,006	2,912	23,929	25,346
Unemployed	5,077	4,768	2,442	2,297	2,635	2,471	1,873	1,956	63	65	1,810	1,891
Unemployment rate	7.7	7.1	9.0	8.4	6.9	6.3	6.5	6.5	2.1	2.2	7.0	6.9
Not in labor force	39,294	39,261	17,891	17,868	21,403	21,393	19,892	19,782	1,795	1,780	18,097	18,002
Males, 20 years and over												
Civilian noninstitutional population	43,846	44,501	18,521	18,609	25,325	25,892	20,555	21,134	2,196	2,171	18,359	18,963
Civilian labor force	35,488	35,960	14,415	14,445	21,073	21,515	15,909	16,325	1,872	1,798	14,037	14,527
Percent of population	80.9	80.8	77.8	77.6	83.2	83.1	77.4	77.2	85.2	82.8	76.5	76.6
Employed	33,314	34,039	13,294	13,454	20,020	20,585	15,185	15,597	1,854	1,783	13,331	13,814
Unemployed	2,174	1,921	1,121	991	1,053	930	723	728	18	15	705	713
Unemployment rate	6.1	5.3	7.8	6.9	5.0	4.3	4.5	4.5	.9	.8	5.0	4.9
Not in labor force	8,358	8,541	4,106	4,165	4,252	4,376	4,646	4,809	324	373	4,322	4,436
Females, 20 years and over												
Civilian noninstitutional population	49,859	50,553	22,148	22,146	27,711	28,407	22,895	23,431	2,075	2,037	20,820	21,394
Civilian labor force	23,867	24,606	10,556	10,625	13,311	13,981	10,019	10,780	850	839	9,169	9,941
Percent of population	47.9	48.7	47.7	48.0	48.0	49.2	43.8	46.0	41.0	41.2	44.0	46.5
Employed	22,234	22,953	9,788	9,862	12,446	13,391	9,345	10,091	828	808	8,517	9,283
Unemployed	1,633	1,653	767	763	866	890	675	688	21	32	654	656
Unemployment rate	6.8	6.7	7.3	7.2	6.5	6.4	6.7	6.4	2.5	3.8	7.1	6.6
Not in labor force	25,992	25,947	11,592	11,521	14,399	14,426	12,876	12,651	1,225	1,198	11,651	11,453
Both sexes, 16-19 years												
Civilian noninstitutional population	11,171	11,043	4,474	4,451	6,697	6,592	5,251	5,432	593	548	4,658	4,884
Civilian labor force	6,226	6,270	2,282	2,268	3,944	4,002	2,880	3,110	347	339	2,533	2,771
Percent of population	55.7	56.8	51.0	51.0	58.9	60.7	54.9	57.3	58.5	61.9	54.4	56.7
Employed	4,957	5,076	1,729	1,724	3,228	3,352	2,405	2,570	323	321	2,082	2,249
Unemployed	1,269	1,194	552	544	717	650	475	540	24	18	451	522
Unemployment rate	20.4	19.0	24.2	24.0	18.2	16.2	16.5	17.4	6.9	5.3	17.8	18.8
Not in labor force	4,944	4,773	2,192	2,184	2,752	2,589	2,371	2,321	246	209	2,125	2,112
White												
Civilian noninstitutional population	90,830	91,760	34,820	34,769	56,010	56,991	44,473	45,572	4,565	4,469	39,908	41,103
Civilian labor force	57,107	58,220	21,214	21,258	35,893	36,962	26,445	27,658	2,908	2,821	23,537	24,837
Percent of population	62.9	63.4	60.9	61.1	64.1	64.9	59.5	60.7	63.7	63.1	59.0	60.4
Employed	53,136	54,580	19,591	19,806	33,545	34,774	24,868	26,000	2,850	2,764	22,018	23,236
Unemployed	3,971	3,640	1,623	1,452	2,348	2,188	1,576	1,658	57	57	1,519	1,601
Unemployment rate	7.0	6.3	7.7	6.8	6.5	5.9	6.0	6.0	2.0	2.0	6.5	6.4
Not in labor force	33,723	33,540	13,606	13,510	20,117	20,030	18,028	17,914	1,657	1,648	16,371	16,266
Black and other												
Civilian noninstitutional population	14,045	14,337	10,323	10,437	3,722	3,900	4,228	4,424	299	287	3,929	4,137
Civilian labor force	8,475	8,617	6,039	6,079	2,436	2,538	2,363	2,557	161	156	2,202	2,401
Percent of population	60.3	60.1	58.5	58.2	65.4	65.1	55.9	57.8	53.9	54.3	56.0	58.0
Employed	7,370	7,489	5,220	5,233	2,150	2,256	2,067	2,258	155	148	1,912	2,110
Unemployed	1,105	1,127	818	845	287	282	297	298	6	8	291	290
Unemployment rate	13.0	13.1	13.5	13.9	11.8	11.1	12.5	11.7	3.5	5.0	13.2	12.1
Not in labor force	5,571	5,721	4,284	4,358	1,287	1,363	1,864	1,867	138	131	1,726	1,736

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-63. Employment status of the population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
Total												
Civilian noninstitutional population	29,107	28,937	124,469	127,156	11,755	11,480	93,120	94,617	17,352	17,457	31,349	32,539
Civilian labor force	15,774	15,923	78,616	81,128	6,132	6,019	59,449	60,818	9,641	9,904	19,167	20,310
Percent of population ...	54.2	55.0	63.2	63.8	52.2	52.4	63.8	64.3	55.6	56.7	61.1	62.4
Employed	14,316	14,506	73,124	75,821	5,302	5,251	55,203	56,818	9,014	9,255	17,921	19,004
Unemployed	1,457	1,417	5,492	5,307	830	768	4,247	4,000	627	649	1,246	1,307
Unemployment rate	9.2	8.9	7.0	6.5	13.5	12.8	7.1	6.6	6.5	6.6	6.5	6.4
Not in labor force	13,333	13,014	45,853	46,028	5,623	5,461	33,671	33,800	7,710	7,553	12,182	12,229
White												
Civilian noninstitutional population	20,528	20,442	114,775	116,891	6,112	5,987	84,718	85,773	14,416	14,455	30,057	31,117
Civilian labor force	11,368	11,519	72,184	74,359	3,268	3,255	53,839	54,965	8,100	8,263	18,345	19,395
Percent of population ...	55.4	56.3	62.9	63.6	53.5	54.4	63.6	64.1	56.2	57.2	61.0	62.3
Employed	10,593	10,754	67,411	69,826	2,932	2,945	50,203	51,634	7,660	7,808	17,208	18,192
Unemployed	775	765	4,773	4,533	336	310	3,636	3,330	440	455	1,137	1,203
Unemployment rate	6.8	6.6	6.6	6.1	10.3	9.5	6.8	6.1	5.4	5.5	6.2	6.2
Not in labor force	9,160	8,923	42,591	42,531	2,844	2,731	30,879	30,809	6,316	6,192	11,712	11,723
Black and other												
Civilian noninstitutional population	8,579	8,495	9,694	10,266	5,643	5,493	8,402	8,844	2,935	3,002	1,292	1,422
Civilian labor force	4,406	4,404	6,432	6,769	2,864	2,764	5,610	5,853	1,541	1,641	822	916
Percent of population ...	51.4	51.8	66.4	65.9	50.8	50.3	66.8	66.2	52.5	54.7	63.6	64.4
Employed	3,724	3,752	5,713	5,995	2,370	2,306	4,999	5,183	1,354	1,446	713	812
Unemployed	682	652	720	773	494	458	611	670	188	194	109	104
Unemployment rate	15.5	14.8	11.2	11.4	17.2	16.6	10.9	11.4	12.2	11.8	13.2	11.3
Not in labor force	4,173	4,091	3,262	3,497	2,779	2,729	2,792	2,991	1,394	1,361	470	506

A-64. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977	II 1976	II 1977
Total												
Both sexes, 16 years and over	9.2	8.9	7.0	6.5	13.5	12.8	7.1	6.6	6.5	6.6	6.5	6.4
Males, 20 years and over	7.1	6.7	5.4	4.8	11.7	10.8	5.6	4.8	4.3	4.3	4.7	4.6
Females, 20 years and over	8.1	8.3	6.6	6.3	10.2	10.5	6.5	6.3	6.6	6.9	6.8	6.1
Both sexes, 16-19 years	25.5	24.1	17.9	17.4	36.3	34.2	18.7	17.6	18.7	18.4	15.4	16.9
White												
Both sexes, 16 years and over	6.8	6.6	6.6	6.1	10.3	9.5	6.8	6.1	5.4	5.5	6.2	6.2
Males, 20 years and over	5.5	5.2	5.1	4.5	9.4	9.0	5.3	4.5	3.9	3.7	4.5	4.4
Females, 20 years and over	6.3	6.1	6.2	5.8	8.6	7.7	6.2	5.8	5.4	5.4	6.5	5.9
Both sexes, 16-19 years	16.5	17.5	16.7	15.9	22.2	20.1	17.4	15.7	14.3	16.6	14.7	16.3
Black and other												
Both sexes, 16 years and over	15.5	14.8	11.2	11.4	17.2	16.6	10.9	11.4	12.2	11.8	13.2	11.3
Males, 20 years and over	11.9	11.1	9.0	8.1	14.8	13.1	8.9	8.1	6.7	7.8	9.4	8.0
Females, 20 years and over	11.8	13.2	9.5	10.3	11.8	13.2	9.0	10.2	12.0	13.2	13.1	10.7
Both sexes, 16-19 years	46.9	41.7	36.0	39.6	50.2	49.9	36.7	41.4	40.4	27.9	32.6	30.7

**ESTABLISHMENT DATA
HISTORICAL EMPLOYMENT**

B-1. Employees on nonagricultural payrolls, by industry division 1919 to date

[In thousands]

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,951	23,693	606	3,306	19,781	44,258	4,311	14,099	3,611	10,488	3,381	10,622	11,845	2,737	9,109
1969.....	70,442	24,311	619	3,525	20,167	46,130	4,435	14,704	3,733	10,971	3,562	11,228	12,202	2,758	9,444
1970.....	70,920	23,507	623	3,536	19,349	47,412	4,504	15,040	3,816	11,225	3,687	11,621	12,561	2,731	9,830
1971.....	71,222	22,820	609	3,639	18,572	48,401	4,457	15,352	3,823	11,529	3,802	11,903	12,887	2,696	10,192
1972.....	73,714	23,546	625	3,831	19,090	50,167	4,517	15,975	3,943	12,032	3,943	12,392	13,340	2,684	10,656
1973.....	76,896	24,727	644	4,015	20,068	52,169	4,644	16,674	4,107	12,568	4,091	13,021	13,739	2,663	11,075
1974.....	78,413	24,697	694	3,957	20,046	53,715	4,696	17,017	4,223	12,794	4,208	13,617	14,177	2,724	11,453
1975.....	77,051	22,603	745	3,512	18,347	54,448	4,498	17,000	4,177	12,824	4,223	14,006	14,720	2,748	11,973
1976.....	79,443	23,332	783	3,594	18,956	56,111	4,509	17,694	4,263	13,431	4,316	14,644	14,948	2,733	12,215
June.....	80,142	23,662	795	3,750	19,117	56,480	4,531	17,757	4,280	13,477	4,344	14,815	15,033	2,758	12,275
July.....	79,242	23,446	804	3,281	18,821	55,796	4,540	17,723	4,297	13,426	4,368	14,825	14,340	2,775	11,565
Aug.....	79,555	23,806	766	3,869	19,171	55,749	4,528	17,754	4,302	13,452	4,368	14,869	14,230	2,754	11,476
Sept.....	80,277	24,027	804	3,815	19,408	56,250	4,560	17,870	4,300	13,570	4,347	14,813	14,660	2,717	11,943
Oct.....	80,572	23,804	804	3,815	19,185	56,768	4,538	17,922	4,322	13,600	4,355	14,849	15,104	2,711	12,393
Nov.....	80,943	23,781	807	3,742	19,232	57,162	4,546	18,122	4,321	13,801	4,368	14,858	15,268	2,720	12,548
Dec.....	81,099	23,480	805	3,547	19,128	57,619	4,553	18,559	4,326	14,233	4,385	14,861	15,261	2,725	12,536
1977:															
Jan.....	79,473	23,005	806	3,198	19,001	56,468	4,499	17,791	4,297	13,494	4,379	14,740	15,059	2,697	12,362
Feb.....	79,734	23,063	807	3,251	19,005	56,671	4,494	17,653	4,291	13,362	4,391	14,887	15,246	2,705	12,541
Mar.....	80,547	23,461	827	3,451	19,183	57,086	4,522	17,799	4,310	13,489	4,422	15,028	15,315	2,714	12,601
Apr.....	81,332	23,846	838	3,681	19,327	57,486	4,538	18,026	4,332	13,694	4,450	15,182	15,290	2,716	12,574
May ^p	82,029	24,171	843	3,859	19,469	57,858	4,576	18,167	4,351	13,816	4,477	15,296	15,342	2,728	12,614
June ^p	82,868	24,660	874	4,069	19,717	58,208	4,624	18,332	4,407	13,925	4,538	15,495	15,219	2,759	12,460

p = preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P
-	TOTAL	79,424	80,142	81,332	82,029	82,868	-	-	-	-	-
-	PRIVATE SECTOR	64,277	65,109	66,042	66,687	67,649	52,887	53,637	54,222	54,795	55,597
-	MINING	775	795	838	843	874	587	604	632	634	661
10	METAL MINING	91.4	94.0	96.9	96.7	-	70.4	72.7	74.8	74.7	-
101	Iron ores	25.7	26.3	25.5	26.1	-	20.8	21.4	20.5	21.0	-
102	Copper ores	34.8	35.2	36.5	36.6	-	26.4	26.8	28.1	28.1	-
11,12	COAL MINING	215.4	219.6	233.3	230.5	-	184.5	188.3	192.4	189.0	-
12	Bituminous coal and lignite mining	211.5	215.7	229.3	226.5	-	181.1	184.9	189.0	185.4	-
13	OIL AND GAS EXTRACTION	350.7	361.2	390.2	394.6	-	239.5	248.0	271.4	274.1	-
131,2	Crude petroleum and natural gas fields	162.6	168.1	170.1	171.9	-	82.4	86.2	84.5	85.4	-
138	Oil and gas field services	188.1	193.1	220.1	222.7	-	157.1	161.8	186.9	188.7	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	117.0	119.8	117.6	121.4	-	92.8	95.2	93.0	96.5	-
142	Crushed and broken stone	41.1	42.1	40.8	42.8	-	33.7	34.7	33.7	35.7	-
144	Sand and gravel	35.6	37.0	36.3	37.9	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,598	3,750	3,681	3,859	4,069	2,851	2,989	2,912	3,075	3,263
15	GENERAL BUILDING CONTRACTORS	1,064.7	1,117.3	1,101.9	1,152.6	-	829.3	876.1	861.0	911.0	-
16	HEAVY CONSTRUCTION CONTRACTORS	738.9	793.0	728.0	802.9	-	608.6	658.7	586.9	653.7	-
161	Highway and street construction	324.2	349.6	309.2	356.7	-	277.3	302.2	254.0	299.7	-
162	Heavy construction, nec	414.7	443.4	418.8	446.2	-	331.3	356.5	332.9	354.0	-
17	SPECIAL TRADE CONTRACTORS	1,794.6	1,840.1	1,850.9	1,903.7	-	1,413.1	1,454.0	1,463.7	1,510.3	-
171	Plumbing, heating, air conditioning	420.7	428.2	436.5	444.7	-	316.6	322.0	328.2	335.1	-
172	Painting, paper hanging, decorating	128.7	136.6	138.1	144.3	-	109.8	116.9	114.6	120.1	-
173	Electrical work	323.9	325.9	319.4	324.4	-	252.2	255.6	248.4	252.7	-
174	Masonry, stonework, and plastering	192.7	198.2	214.8	222.8	-	165.6	172.0	186.7	194.8	-
176	Roofing and sheet metal work	125.7	126.8	132.0	136.8	-	100.2	101.6	105.7	110.1	-
-	MANUFACTURING	18,872	19,117	19,327	19,469	19,717	13,571	13,774	13,893	14,023	14,234
19,24,25,32-39	DURABLE GOODS	11,034	11,162	11,348	11,446	11,591	7,890	7,994	8,118	8,211	8,334
20-23,26-31	NONDURABLE GOODS	7,838	7,955	7,979	8,023	8,126	5,681	5,780	5,775	5,812	5,900
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	157.9	157.5	155.5	156.0	154.6	71.3	71.1	70.8	71.2	71.2
192	Ammunition, except for small arms	102.3	101.6	99.9	100.0	98.1	35.7	35.3	35.5	35.8	35.1
1925	Complete guided missiles	85.0	84.2	82.0	81.9	-	23.4	22.8	22.5	22.6	-
1929	Ammunition, exc. for small arms, nec	17.3	17.4	17.9	18.1	-	12.3	12.5	13.0	13.2	-
24	LUMBER AND WOOD PRODUCTS	600.1	622.8	626.1	637.8	661.0	502.5	523.7	532.0	543.2	566.6
241	Logging camps and logging contractors	72.8	78.1	69.3	72.4	77.7	-	-	-	-	-
242	Sawmills and planing mills	206.9	214.5	214.2	216.5	221.9	183.1	190.2	190.7	192.8	198.6
2421	Sawmills and planing mills, general	175.8	182.5	182.0	183.9	-	155.4	161.7	162.1	163.8	-
243	Millwork, plywood and related products	201.7	209.0	218.3	223.2	233.1	167.3	173.6	181.8	186.4	195.7
2431	Millwork	90.5	94.1	99.3	100.6	-	74.3	77.6	81.1	82.4	-
2432	Veneer and plywood	73.4	75.0	76.3	76.8	-	65.3	66.8	68.3	68.6	-
244	Wooden containers	22.8	23.1	21.7	21.8	22.5	20.0	20.5	19.1	19.3	20.0
2441,2	Wooden boxes, shooks, and crates	18.3	18.6	17.4	17.6	-	16.1	16.4	15.4	15.7	-
249	Miscellaneous wood products	95.9	98.1	102.6	103.9	105.8	77.1	79.1	84.4	85.8	87.8

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
DURABLE GOODS—Continued											
25	FURNITURE AND FIXTURES	490.9	493.8	501.0	503.8	512.1	403.5	405.7	411.7	414.6	422.1
251	Household furniture	355.6	355.5	363.6	365.7	370.3	301.4	300.8	307.6	309.6	313.5
2511	Wood household furniture	181.8	182.3	184.1	186.8	-	159.5	159.5	160.9	163.5	-
2512	Upholstered household furniture	102.3	103.9	105.3	105.2	-	84.7	86.3	86.7	86.7	-
2515	Mattresses and bedsprings	33.6	33.7	32.7	33.0	-	25.7	25.8	25.2	25.5	-
252	Office furniture	37.4	38.0	41.0	41.5	-	29.5	30.0	33.3	33.9	-
254	Partitions and fixtures	52.0	53.6	52.8	53.1	-	38.7	40.3	39.3	39.3	-
253,9	Other furniture and fixtures	45.9	46.7	43.6	43.5	44.4	33.9	34.6	31.5	31.8	32.6
32	STONE, CLAY, AND GLASS PRODUCTS	628.0	640.8	643.6	653.5	668.3	500.6	512.1	512.2	521.7	535.2
321	Flat glass	16.5	16.8	15.8	16.2	-	13.2	13.6	12.7	13.0	-
322	Glass and glassware, pressed or blown	132.0	134.9	136.6	136.5	138.0	114.2	116.6	118.6	119.2	120.9
3221	Glass containers	77.2	79.2	78.8	78.5	-	68.1	69.7	70.1	70.6	-
3229	Pressed and blown glass, nec	54.8	55.7	57.8	58.0	-	46.1	46.9	48.5	48.6	-
324	Cement, hydraulic	29.9	30.7	29.5	29.6	30.4	23.7	24.4	23.3	23.3	24.1
325	Structural clay products	47.8	49.3	49.6	50.8	52.2	38.6	39.8	39.7	40.9	42.4
3251	Brick and structural clay tile	21.3	22.1	22.2	23.0	-	17.8	18.5	18.4	19.1	-
326	Pottery and related products	44.1	43.7	40.3	40.3	-	37.3	37.1	33.6	33.7	-
327	Concrete, gypsum, and plaster products	190.3	194.9	195.6	202.2	209.5	147.4	151.8	152.0	157.4	163.6
328,9	Other stone and nonmetallic mineral products	131.8	134.2	136.7	138.2	140.4	99.3	101.2	103.5	105.0	106.7
3291	Abrasive products	24.1	24.5	23.8	23.9	-	17.1	17.5	16.7	17.1	-
33	PRIMARY METAL INDUSTRIES	1,194.5	1,215.1	1,205.4	1,218.4	1,233.8	939.0	956.9	943.5	955.1	969.3
331	Blast furnace and basic steel products	547.1	557.9	549.9	557.1	(*)	428.9	438.5	429.1	435.7	(*)
3312	Blast furnaces and steel mills	474.6	483.9	477.1	483.9	-	373.5	381.8	373.9	380.0	-
332	Iron and steel foundries	216.1	221.8	217.1	220.2	224.3	177.9	182.7	177.6	180.1	184.0
3321	Gray iron foundries	137.3	142.2	141.5	142.3	-	115.1	119.3	117.7	118.2	-
3322	Malleable iron foundries	21.1	20.7	19.0	20.5	-	17.2	16.6	15.3	16.7	-
3323	Steel foundries	57.7	58.9	56.6	57.4	-	45.6	46.8	44.6	45.2	-
333,4	Nonferrous metals	84.4	85.2	85.1	84.5	85.8	64.4	65.2	64.3	63.8	64.9
3334	Primary aluminum	32.5	33.0	34.0	34.4	-	26.2	26.6	27.4	27.7	-
335	Nonferrous rolling and drawing	195.6	197.4	199.6	201.4	202.1	145.4	146.9	147.7	149.3	150.8
3351	Copper rolling and drawing	35.8	36.3	36.7	37.1	-	27.3	27.9	28.2	28.5	-
3352	Aluminum rolling and drawing	60.5	61.7	63.5	64.4	-	44.0	44.9	45.6	46.5	-
3357	Nonferrous wire drawing and insulating ..	79.6	79.4	79.5	79.7	-	59.8	59.7	59.9	60.1	-
336	Nonferrous foundries	78.5	80.1	81.5	82.4	83.7	64.8	66.1	67.6	68.4	69.3
3361	Aluminum castings	44.1	45.1	45.6	46.0	-	37.1	37.9	38.5	38.9	-
3362,9	Other nonferrous castings	34.4	35.0	35.9	36.4	-	27.7	28.2	29.1	29.5	-
339	Miscellaneous primary metal products	72.8	72.7	72.2	72.8	74.2	57.6	57.5	57.2	57.8	58.9
3391	Iron and steel forgings	47.5	47.3	46.0	46.1	-	37.8	37.7	36.7	36.8	-
34	FABRICATED METAL PRODUCTS	1,385.1	1,400.9	1,423.4	1,439.6	1,460.0	1,045.4	1,058.0	1,076.5	1,091.4	1,108.5
341	Metal cans	63.6	64.9	60.6	61.8	62.5	55.0	56.2	51.6	52.6	53.4
342	Cutlery, hand tools, and hardware	166.1	168.3	173.3	174.5	176.7	128.8	130.1	135.1	136.3	138.0
3421,3,5	Cutlery and hand tools, including saws ..	70.2	70.8	70.0	70.5	-	53.6	54.0	53.9	54.5	-
3429	Hardware, nec	95.9	97.5	103.3	104.0	-	75.2	76.1	81.2	81.8	-
343	Plumbing and heating, except electric	69.1	69.9	73.8	74.4	75.0	50.7	51.5	55.1	55.3	55.5
3431,2	Sanitary ware and plumbers' brass goods ..	32.0	32.1	33.3	33.8	-	24.3	24.5	25.8	26.1	-
3433	Heating equipment, except electric	37.1	37.8	40.5	40.6	-	26.4	27.0	29.3	29.2	-
344	Fabricated structural metal products	444.6	450.5	454.9	461.4	470.2	307.6	313.2	316.6	322.6	330.0
3441	Fabricated structural steel	96.4	97.4	94.1	94.1	-	67.5	68.7	66.1	66.1	-
3442	Metal doors, sash, and trim	49.6	72.8	74.5	77.3	-	37.3	54.1	55.5	58.0	-
3443	Fabricated plate work (boiler shops)	137.6	137.1	135.6	137.3	-	89.3	89.0	88.3	89.2	-
3444	Sheet metal work	84.7	86.8	91.5	92.9	-	60.8	62.6	66.9	67.9	-
3446,9	Architectural and miscellaneous metal work	55.4	56.4	58.2	59.8	-	37.9	38.8	39.8	41.4	-
345	Screw machine products, bolts, etc	97.5	99.1	104.2	104.7	105.6	75.4	76.7	82.2	82.3	83.2
3451	Screw machine products	45.0	45.8	50.3	50.4	-	36.8	37.5	41.3	41.4	-
3452	Bolts, nuts, rivets, and washers	52.5	53.3	53.9	54.3	-	38.6	39.2	40.9	40.9	-
346	Metal stampings	229.6	230.2	232.2	236.1	238.9	187.2	187.4	189.2	193.0	195.4
347	Metal services, nec	90.7	91.6	94.1	95.4	96.5	74.3	74.7	76.9	78.2	79.2
348	Miscellaneous fabricated wire products	59.5	60.2	60.4	59.9	60.3	47.3	47.8	46.8	46.5	46.6
349	Miscellaneous fabricated metal products ..	164.4	166.2	169.9	171.4	174.3	119.1	120.4	123.0	124.6	127.2
3494,8	Valves, pipe, and pipe fittings	108.8	109.7	111.4	112.8	-	74.8	75.3	76.5	77.7	-

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May P 1977 P	June P 1977 P	May 1976	June 1976	Apr. 1977	May P 1977 P	June P 1977 P
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2,063.7	2,081.8	2,152.1	2,162.6	2,186.2	1,336.6	1,345.5	1,392.6	1,404.7	1,421.8
351	Engines and turbines	112.4	112.7	114.6	111.8	(*)	72.9	72.7	74.0	71.8	(*)
3511	Steam engines and turbines	42.9	43.3	42.5	42.4	—	22.9	22.9	22.3	22.2	—
3519	Internal combustion engines, nec.	69.5	69.4	72.1	69.4	—	50.0	49.8	51.7	49.6	—
352	Farm machinery	149.8	149.2	147.6	147.8	—	106.1	105.3	103.3	103.6	—
353	Construction and related machinery	336.5	338.6	340.3	344.8	349.6	216.9	217.8	219.4	224.8	228.6
3531,2	Construction and mining machinery	180.6	181.5	176.5	179.3	—	116.5	116.7	113.4	116.8	—
3533	Oil field machinery	68.4	69.0	70.1	70.6	—	47.7	48.1	49.2	50.1	—
3535,6	Conveyors, hoists, cranes, monorails	46.1	47.0	49.2	49.5	—	28.1	28.6	28.8	29.2	—
3537	Industrial trucks and tractors	29.2	28.9	32.8	33.4	—	18.4	18.2	21.7	22.2	—
354	Metal working machinery	305.8	307.9	325.1	326.9	(*)	222.7	223.7	239.1	240.3	(*)
3541	Machine tools, metal cutting types	58.7	59.3	61.7	61.6	—	38.1	38.3	40.1	40.0	—
3544	Special dies, tools, jigs, and fixtures	120.7	121.1	131.7	132.7	—	96.9	97.2	106.2	106.8	—
3545	Machine tool accessories	53.6	53.4	56.6	57.4	—	38.2	37.6	40.4	41.0	—
3542,8	Miscellaneous metal working machinery	72.8	74.1	75.1	75.2	—	49.5	50.6	52.4	52.5	—
355	Special industry machinery	175.9	176.1	176.3	176.9	178.9	112.1	112.1	112.1	112.1	113.4
3551	Food products machinery	41.0	40.9	41.6	41.5	—	26.6	26.6	26.6	26.1	—
3552	Textile machinery	31.3	31.4	30.2	30.1	—	22.3	22.3	21.7	21.8	—
3555	Printing trades machinery	25.0	24.4	26.2	26.2	—	15.1	14.4	15.4	15.4	—
356	General industrial machinery	283.5	285.9	295.1	295.8	299.1	185.9	186.3	192.5	193.1	195.4
3561	Pumps and compressors	81.2	81.4	84.1	84.7	—	48.9	48.4	50.5	51.3	—
3562	Ball and roller bearings	53.9	53.6	56.9	57.0	—	41.0	40.5	42.1	42.2	—
3564	Blowers and fans	33.8	34.4	34.8	34.4	—	21.4	21.9	22.4	21.9	—
3566	Power transmission equipment	46.3	48.3	47.3	47.7	—	32.5	34.1	33.1	33.5	—
357	Office and computing machines	286.8	291.4	312.9	315.8	317.4	114.6	116.5	127.6	130.8	131.8
3573	Electronic computing equipment	215.1	218.8	238.6	241.0	—	71.9	73.4	84.9	87.2	—
358	Service industry machines	162.6	166.5	173.1	172.5	173.8	113.5	116.6	120.7	121.0	121.4
3585	Refrigeration machinery	113.7	116.3	122.6	121.8	—	81.3	83.2	87.3	87.3	—
359	Miscellaneous machinery, except electrical ..	250.4	253.5	267.1	270.3	274.0	191.9	194.5	203.9	207.2	211.1
36	ELECTRICAL EQUIPMENT AND SUPPLIES	1,822.3	1,842.3	1,901.8	1,914.3	1,931.6	1,204.8	1,221.4	1,263.4	1,274.5	1,288.7
361	Electric test and distributing equipment	193.8	196.0	201.1	200.8	202.4	129.1	130.9	136.3	136.6	138.7
3611	Electric measuring instruments	70.0	71.2	74.6	74.2	—	41.7	42.3	45.5	45.3	—
3612	Transformers	50.2	50.6	50.3	49.8	—	36.0	36.4	36.8	36.7	—
3613	Switchgear and switchboard apparatus ..	73.6	74.2	76.2	76.8	—	51.4	52.2	54.0	54.6	—
362	Electrical industrial apparatus	211.5	215.5	222.0	224.3	226.1	150.8	153.8	159.0	160.7	162.2
3621	Motors and generators	105.8	107.7	107.8	109.0	—	79.7	80.8	81.1	82.3	—
3622	Industrial controls	65.5	66.9	70.7	71.1	—	42.6	43.8	46.6	46.6	—
363	Household appliances	167.1	169.9	176.1	179.3	180.6	130.4	132.8	139.0	141.7	142.8
3632	Household refrigerators and freezers	38.3	39.0	38.0	39.1	—	29.5	30.2	29.5	30.6	—
3633	Household laundry equipment	24.4	25.0	27.7	28.4	—	19.1	19.7	22.0	22.6	—
3634	Electric housewares and fans	48.2	49.0	52.3	52.7	—	38.0	38.5	41.6	41.9	—
364	Electric lighting and wiring equipment	195.0	196.5	205.8	206.0	206.7	150.4	152.0	157.7	157.8	158.4
3641	Electric lamps	36.7	37.2	37.6	37.5	—	32.7	33.1	33.5	33.4	—
3642	Lighting fixtures	63.9	63.9	66.3	66.2	—	49.3	49.4	50.9	50.6	—
3643,4	Wiring devices	94.4	95.4	101.9	102.3	—	68.4	69.5	73.3	73.8	—
365	Radio and TV receiving equipment	129.6	130.5	129.9	132.5	(*)	93.9	95.0	92.7	95.6	—
366	Communication equipment	418.1	419.5	430.3	431.5	(*)	206.9	208.4	214.3	216.1	—
3661	Telephone and telegraph apparatus	130.8	131.4	141.8	142.9	—	84.1	85.1	94.5	95.8	—
3662	Radio and TV communication equipment	287.3	288.1	288.5	288.6	—	122.8	123.3	119.8	120.3	—
367	Electronic components and accessories	366.6	372.4	384.6	387.0	392.7	235.2	239.8	246.2	247.3	251.9
3671-3	Electron tubes	41.4	41.6	42.2	42.8	—	27.2	27.3	26.9	27.2	—
3674,9	Other electronic components	325.2	330.8	342.4	344.2	—	208.0	212.5	219.3	220.1	—
369	Miscellaneous electrical equipment and supplies	140.6	142.0	152.0	152.9	154.8	108.1	108.7	118.2	118.7	120.3
3694	Engine electrical equipment	72.4	73.8	79.1	80.2	—	57.1	58.0	63.5	64.6	—
37	TRANSPORTATION EQUIPMENT	1,755.2	1,760.8	1,800.5	1,814.6	1,826.9	1,249.7	1,253.6	1,277.9	1,290.1	1,298.0
371	Motor vehicles and equipment	826.3	866.5	879.8	892.9	(*)	673.6	677.4	685.8	696.8	(*)
3711	Motor vehicles	357.7	357.3	364.1	368.9	—	267.1	267.5	273.2	277.0	—
3712	Passenger car bodies	48.5	48.3	47.6	47.8	—	38.2	38.2	36.7	36.8	—
3713	Truck and bus bodies	39.2	39.5	40.7	41.5	—	29.8	30.1	31.4	32.2	—
3714	Motor vehicle parts and accessories	395.6	399.5	402.1	409.0	—	322.6	325.1	324.6	330.7	—
3715	Truck trailers	21.3	21.9	25.3	25.7	—	15.9	16.5	19.9	20.1	—
372	Aircraft and parts	485.3	483.0	484.8	483.2	487.1	251.4	249.4	247.9	246.3	248.4
3721	Aircraft	261.5	260.3	260.4	259.7	—	125.0	124.3	122.9	122.7	—
3722	Aircraft engines and engine parts	132.1	131.6	133.2	131.5	—	71.2	70.7	69.9	68.1	—
3723,9	Other aircraft parts and equipment	91.7	91.1	91.2	92.0	—	55.2	54.4	55.1	55.5	—
373	Ship and boat building and repairing	215.0	215.7	227.6	227.7	226.1	172.3	171.9	180.0	180.5	179.2
3731	Ship building and repairing	167.3	168.1	175.4	175.3	—	132.9	132.5	136.8	137.1	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

(In thousands)

SIC Code	Industry	All employees					Production workers ¹					
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	
	DURABLE GOODS—Continued											
	TRANSPORTATION EQUIPMENT—Continued											
3732	Boat building and repairing	47.7	47.6	52.2	52.4	—	39.4	39.4	43.2	43.4	—	
374	Railroad equipment	42.3	41.2	45.9	47.1	—	30.7	29.7	33.8	34.8	—	
375,9	Other transportation equipment	150.3	154.4	162.4	163.7	—	121.7	125.2	130.4	131.7	—	
38	INSTRUMENTS AND RELATED PRODUCTS	510.6	515.3	522.2	526.1	531.6	311.1	315.1	319.3	322.6	327.3	
381	Engineering and scientific instruments	59.1	59.1	58.9	58.8	—	28.9	28.7	27.6	27.7	—	
382	Mechanical measuring and control devices	117.9	119.0	119.4	121.7	124.0	75.4	76.5	77.2	79.6	81.7	
3821	Mechanical measuring devices	76.1	76.4	80.2	80.1	—	45.3	45.6	49.3	49.3	—	
3822	Automatic temperature controls	41.8	42.6	39.2	41.6	—	30.1	30.9	27.9	30.3	—	
383,5	Optical and ophthalmic goods	64.0	64.8	68.3	69.1	70.2	43.6	44.1	45.8	46.5	47.2	
385	Ophthalmic goods	42.1	42.6	44.2	44.7	—	30.9	31.3	31.9	32.3	—	
384	Medical instruments and supplies	109.0	109.8	115.0	115.9	117.2	73.4	73.6	78.3	78.6	79.8	
386	Photographic equipment and supplies	129.4	131.4	130.1	130.3	(*)	64.8	67.1	66.6	66.7	(*)	
387	Watches, clocks, and watchcases	31.2	31.2	30.5	30.3	—	25.0	25.1	23.8	23.5	—	
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	425.6	430.8	416.5	419.3	424.5	325.9	330.8	317.9	321.7	325.6	
391	Jewelry, silverware, and plated ware	54.6	54.4	54.7	54.8	55.2	40.5	40.4	39.7	40.1	40.6	
394	Toys and sporting goods	121.3	125.4	117.8	120.3	—	93.5	97.3	90.6	93.2	—	
3941-3	Games, toys, dolls, and play vehicles	64.5	68.8	59.4	62.3	—	47.7	51.6	43.6	46.7	—	
3949	Sporting and athletic goods, nec	56.8	56.6	58.4	58.0	—	45.8	45.7	47.0	46.5	—	
395	Pens, pencils, office, and art supplies	34.7	34.7	33.5	33.7	—	24.3	24.4	24.0	24.3	—	
396	Costume jewelry and notions	55.3	55.0	50.7	50.7	—	45.3	44.9	40.7	40.9	—	
393,9	Other manufacturing industries	159.7	161.3	159.8	159.8	161.9	122.3	123.8	122.9	123.2	124.7	
393	Musical instruments and parts	25.1	24.6	23.7	23.7	—	20.9	20.5	19.3	19.4	—	
	NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	1,652.0	1,707.4	1,664.5	1,671.6	1,701.5	1,108.4	1,157.1	1,114.9	1,122.0	1,145.9	
201	Meat products	345.2	353.3	355.0	357.5	(*)	282.3	290.1	291.6	294.3	(*)	
2011	Meat packing plants	167.2	170.1	169.9	169.9	—	134.1	136.4	135.8	135.9	—	
2013	Sausages and other prepared meats	65.5	66.5	67.3	67.9	—	46.0	47.3	48.4	49.3	—	
2015	Poultry dressing plants	112.5	116.7	117.8	119.7	—	102.2	106.4	107.4	109.1	—	
202	Dairy products	195.3	199.2	191.7	193.8	197.2	102.1	105.1	99.9	101.3	104.2	
2024	Ice cream and frozen desserts	24.3	25.5	22.4	23.2	—	13.3	14.2	12.1	12.6	—	
2026	Fluid milk	124.3	125.8	123.4	124.4	—	53.9	54.8	52.7	53.3	—	
203	Canned, cured, and frozen foods	265.6	290.1	257.5	254.5	—	216.3	239.4	207.0	205.6	—	
2031,6	Canned, cured, and frozen sea foods	44.8	47.5	43.8	42.5	—	38.9	41.6	37.9	37.1	—	
2032,3	Canned food, except sea foods	110.8	127.6	107.9	110.1	—	85.7	101.9	82.0	85.0	—	
2037	Frozen fruits and vegetables	66.2	66.3	65.7	63.2	—	57.8	57.8	56.7	54.6	—	
204	Grain mill products	142.3	143.4	145.9	145.5	147.0	99.0	99.9	100.5	100.9	102.5	
2041	Flour and other grain mill products	25.7	26.2	28.3	28.2	—	18.1	18.4	19.2	19.2	—	
2042	Prepared feeds for animals and fowls	74.4	75.1	73.3	72.8	—	48.9	49.7	48.2	48.1	—	
205	Bakery products	240.5	244.1	238.4	239.6	(*)	137.7	140.9	137.4	138.3	(*)	
2051	Bread, cake, and related products	200.0	202.6	198.4	200.6	—	105.9	108.1	105.3	107.1	—	
2052	Cookies and crackers	40.5	41.5	40.0	39.0	—	31.8	32.8	32.1	31.2	—	
206	Sugar	30.7	30.4	26.1	26.8	—	22.2	21.8	19.0	19.7	—	
207	Confectionery and related products	73.6	75.2	76.0	74.9	75.6	55.6	57.1	57.8	56.8	57.8	
2071	Confectionery products	54.4	55.1	54.5	53.5	—	42.2	42.9	42.7	41.8	—	
208	Beverages	216.3	230.0	227.5	231.5	238.2	100.8	111.6	107.5	109.9	114.0	
2082	Malt liquors	41.2	49.1	50.1	51.9	—	27.3	35.3	35.7	37.2	—	
2086	Bottled and canned soft drinks	131.9	136.5	132.8	135.8	—	48.7	50.6	47.6	49.0	—	
209	Miscellaneous foods and kindred products	142.5	141.7	146.4	147.5	149.0	92.4	91.2	94.2	95.2	96.2	
21	TOBACCO MANUFACTURES	67.7	67.7	66.8	63.2	63.0	55.0	54.8	53.2	49.4	49.4	
211	Cigarettes	45.9	45.8	44.7	42.5	—	37.6	37.4	35.7	33.4	—	
212	Cigars	10.4	10.3	9.4	9.3	—	9.1	9.0	8.1	8.0	—	
22	TEXTILE MILL PRODUCTS	971.9	981.3	978.4	984.5	995.7	849.5	858.2	853.9	859.3	869.9	
221	Weaving mills, cotton	174.0	176.3	172.8	173.2	173.9	158.3	160.6	156.4	156.6	157.5	
222	Weaving mills, synthetics	122.5	123.9	121.0	121.1	121.8	109.5	110.7	108.5	108.8	109.3	
223	Weaving and finishing mills, wool	22.9	23.1	23.5	23.5	23.7	19.1	19.3	19.7	19.8	19.9	
224	Narrow fabric mills	27.3	27.7	26.1	26.0	26.0	23.8	24.2	22.8	22.7	22.6	
225	Knitting mills	262.6	266.8	266.7	269.9	274.9	226.3	230.6	229.7	232.6	237.5	
2251	Women's hosiery, except socks	38.1	38.5	37.9	37.9	—	33.5	33.9	33.5	33.6	—	
2252	Hosiery, nec	35.4	35.9	35.5	35.8	—	31.6	32.0	31.6	31.9	—	
2253	Knit outerwear mills	77.5	79.9	80.2	82.0	—	65.9	68.4	68.5	70.1	—	
2254	Knit underwear mills	40.0	40.7	40.7	41.3	—	35.0	35.7	35.2	35.7	—	

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹					
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	
	NONDURABLE GOODS—Continued											
	TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	83.0	83.9	81.6	82.0	83.3	70.7	71.4	69.3	69.6	70.9	
227	Floor covering mills	59.8	60.3	63.4	63.9	—	47.1	47.5	50.5	50.9	—	
228	Yarn and thread mills	155.3	155.8	156.0	157.2	159.4	142.2	142.7	142.8	143.8	146.0	
229	Miscellaneous textile goods	64.5	63.5	67.3	67.7	68.1	52.5	51.2	54.2	54.5	54.9	
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,318.8	1,331.0	1,286.2	1,294.4	1,311.5	1,136.4	1,148.2	1,103.4	1,111.3	1,126.8	
231	Men's and boys' suits and coats	89.8	90.8	87.5	88.2	89.6	79.0	79.9	76.8	77.7	79.1	
232	Men's and boys' furnishings	387.2	393.8	381.3	385.1	390.8	333.5	339.6	326.7	330.6	336.3	
2321	Men's and boys' shirts and nightwear	120.5	122.2	114.0	115.7	—	105.4	107.1	98.9	100.3	—	
2327	Men's and boys' separate trousers	87.2	88.1	86.4	86.8	—	76.4	77.1	75.7	76.3	—	
2328	Men's and boys' work clothing	94.1	94.7	96.6	97.3	—	78.1	78.6	79.3	80.0	—	
233	Women's and misses' outerwear	396.6	396.3	378.0	375.7	378.7	347.4	347.6	329.4	327.1	329.9	
2331	Women's and misses' blouses and waists	50.3	50.7	48.6	48.8	—	44.4	44.8	42.6	42.7	—	
2335	Women's and misses' dresses	172.9	170.2	170.0	164.8	—	154.4	152.0	151.1	146.3	—	
2337	Women's and misses' suits and coats	57.1	60.6	47.7	50.4	—	48.5	52.0	39.0	41.5	—	
2339	Women's and misses' outerwear, nec	116.3	114.8	111.7	111.7	—	100.1	98.8	96.7	96.6	—	
234	Women's and children's undergarments	102.2	103.3	100.6	101.3	102.0	87.0	87.8	85.6	85.9	86.4	
2341	Women's and children's underwear	77.1	78.3	76.9	77.4	—	67.0	67.9	66.7	66.8	—	
2342	Corsets and allied garments	25.1	25.0	23.7	23.9	—	20.0	19.9	18.9	19.1	—	
235	Hats, caps, and millinery	15.9	16.1	16.5	16.4	—	13.8	14.0	14.5	14.5	—	
236	Children's outerwear	80.0	81.5	75.6	77.3	79.0	68.9	70.5	64.5	66.3	67.7	
2361	Children's dresses and blouses	32.0	32.3	30.5	31.3	—	28.8	29.2	27.4	28.3	—	
237,8	Fur goods and miscellaneous apparel	67.8	69.1	67.7	68.5	—	58.7	59.9	58.1	58.6	—	
239	Miscellaneous fabricated textile products	179.3	180.1	179.0	181.9	184.5	148.1	148.9	147.8	150.6	152.5	
2391,2	Housefurnishings	75.5	76.3	75.3	75.7	—	63.2	64.0	62.9	63.3	—	
26	PAPER AND ALLIED PRODUCTS	672.3	684.7	689.4	695.9	709.4	509.8	522.3	517.6	523.8	536.6	
261,2,6	Paper and pulp mills	198.2	202.1	200.9	202.5	207.7	151.6	155.9	153.6	155.2	159.1	
263	Paperboard mills	68.8	70.8	70.9	71.1	72.2	54.9	56.4	55.6	55.8	56.7	
264	Miscellaneous converted paper products	196.0	198.9	205.6	207.6	210.9	140.7	143.3	144.8	146.7	150.9	
2643	Bags, except textile bags	42.7	42.7	44.5	44.8	—	34.2	34.0	35.5	35.7	—	
265	Paperboard containers and boxes	209.3	212.9	212.0	214.7	218.6	162.6	166.7	163.6	166.1	169.9	
2651,2	Folding and setup paperboard boxes	59.2	60.1	59.3	59.5	—	47.7	49.2	47.6	47.7	—	
2653	Corrugated and solid fiber boxes	101.1	103.1	103.5	104.9	—	74.8	76.6	75.8	77.1	—	
2654	Sanitary food containers	30.8	31.4	31.7	32.6	—	25.5	26.2	26.1	27.0	—	
27	PRINTING AND PUBLISHING	1,076.1	1,077.8	1,100.5	1,104.2	1,109.5	629.0	629.6	638.8	640.2	641.7	
271	Newspapers	380.2	383.2	389.1	390.7	394.2	166.3	167.2	165.9	166.2	166.6	
272	Periodicals	69.3	68.6	71.3	71.3	—	18.5	18.2	20.1	20.1	—	
273	Books	89.4	88.1	91.3	91.2	—	48.7	47.2	49.1	48.9	—	
275	Commercial printing	358.1	356.9	364.7	365.4	365.8	269.0	268.3	273.5	273.6	273.1	
2751	Commercial printing, except lithographic	202.0	203.8	204.8	204.9	—	154.0	155.9	155.4	155.5	—	
2752	Commercial printing, lithographic	145.7	143.1	149.1	149.9	—	107.1	104.8	109.6	109.7	—	
278	Blankbooks and bookbinding	50.2	51.1	51.0	51.5	52.3	40.8	41.9	41.5	42.0	42.5	
274,6,7,9	Other publishing and printing ind	128.9	129.9	133.1	134.1	135.5	85.7	86.8	88.7	89.4	90.9	
28	CHEMICALS AND ALLIED PRODUCTS	1,028.0	1,036.2	1,053.2	1,056.8	1,066.2	587.6	591.5	605.7	608.4	616.3	
281	Industrial chemicals	333.0	337.1	342.5	343.7	347.8	178.7	181.1	184.6	185.5	188.4	
2812	Alkalies and chlorine	21.5	21.7	20.6	20.7	—	15.7	16.0	15.1	15.1	—	
2818	Industrial organic chemicals, nec	138.4	139.9	140.9	141.6	—	60.6	61.6	64.9	65.3	—	
2819	Industrial inorganic chemicals, nec	108.1	108.6	113.7	114.3	—	60.8	60.6	62.0	62.5	—	
282	Plastics materials and synthetics	205.0	205.0	205.3	206.8	(*)	137.1	136.4	138.4	139.6	(*)	
2821	Plastics materials and resins	86.9	88.5	89.1	89.8	—	54.5	55.6	56.0	56.4	—	
2823,4	Synthetic fibers	106.7	105.0	102.6	103.4	—	74.6	72.7	72.0	72.8	—	
283	Drugs	166.8	169.8	173.6	173.7	175.4	83.1	84.8	87.9	87.6	89.9	
2834	Pharmaceutical preparations	132.9	135.2	138.6	138.8	—	64.1	65.2	67.9	67.6	—	
284	Soap, cleaners, and toilet goods	116.4	118.4	122.2	122.4	124.3	67.4	68.9	72.2	72.6	74.5	
2841	Soap and other detergents	35.0	35.2	39.9	40.0	—	22.5	22.5	26.0	26.1	—	
2844	Toilet preparations	48.5	49.7	48.6	48.6	—	27.8	28.9	28.6	28.7	—	
285	Paints and allied products	66.8	68.0	69.4	70.2	72.0	36.0	37.2	36.7	37.4	38.8	
287	Agricultural chemicals	59.4	56.6	60.8	60.4	57.4	37.6	34.8	39.0	38.3	35.4	
2871,2	Fertilizers, complete and mixing only	36.3	33.7	37.1	37.0	—	25.7	23.2	26.1	25.8	—	
286,9	Other chemical products	80.6	81.3	79.4	79.6	81.1	47.7	48.3	46.9	47.4	48.5	
2882	Explosives	15.0	15.2	13.8	13.8	—	9.6	9.7	9.1	9.2	—	
29	PETROLEUM AND COAL PRODUCTS	202.8	205.7	206.4	209.8	213.6	131.9	133.9	134.5	137.8	142.4	
291	Petroleum refining	156.1	158.3	158.5	160.4	162.8	97.4	98.8	99.1	101.2	104.6	
295,9	Other petroleum and coal products	46.7	47.4	47.9	49.4	50.8	34.5	35.1	35.4	36.6	37.8	

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	568.7	580.0	667.7	673.6	682.8	430.5	439.5	524.5	529.3	537.4
301	Tires and inner tubes	58.2	60.1	122.3	123.1	125.0	27.3	28.4	90.9	91.6	93.3
302,3,6	Other rubber products	159.5	162.6	172.3	173.3	173.9	124.1	126.4	135.4	136.2	136.6
302	Rubber footwear	20.2	20.3	21.1	21.8	—	16.7	16.6	18.3	18.8	—
307	Miscellaneous plastics products	351.0	357.3	373.1	377.2	383.9	279.1	284.7	298.2	301.5	307.5
31	LEATHER AND LEATHER PRODUCTS	280.0	282.7	266.3	268.8	272.3	242.4	245.0	228.1	230.6	233.7
311	Leather tanning and finishing	25.2	25.0	23.5	23.6	24.2	21.9	21.7	20.1	20.2	20.6
314	Footwear, except rubber	176.8	177.4	165.4	167.6	168.8	155.3	155.9	144.2	146.6	147.8
312,3,5,7,9	Other leather products	78.0	80.3	77.4	77.6	79.3	65.2	67.4	63.8	63.8	65.3
316	Luggage	18.4	19.0	18.5	18.8	—	14.6	15.3	14.8	14.8	—
317	Handbags and personal leather goods	35.2	36.4	34.4	34.1	—	29.7	30.8	28.2	28.0	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,494	4,531	4,538	4,576	4,624	3,847	3,882	3,862	3,896	3,942
40	RAILROAD TRANSPORTATION	526.6	531.8	531.0	537.9	—	—	—	—	—	—
4011	Class I railroads ²	488.1	494.4	493.7	499.9	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	274.8	265.7	266.7	271.3	—	—	—	—	—	—
411	Local and suburban transportation	68.0	68.1	68.5	67.9	—	62.5	62.8	63.7	62.9	—
412	Taxicabs	78.0	77.2	74.2	72.8	—	—	—	—	—	—
413	Intercity highway transportation	38.4	40.4	38.4	39.4	—	34.4	36.7	34.8	35.8	—
42	TRUCKING AND WAREHOUSING	1,077.0	1,106.1	1,108.0	1,116.1	—	957.7	987.7	980.0	986.9	—
421,3	Trucking and trucking terminals	993.8	1,021.6	1,017.0	1,025.8	—	887.0	915.9	902.4	910.1	—
422	Public warehousing	83.2	84.5	91.0	90.3	—	70.7	71.8	77.6	76.8	—
45	TRANSPORTATION BY AIR	367.0	369.8	375.6	377.0	—	—	—	—	—	—
451,2	Air transportation	332.6	335.2	339.9	341.4	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	16.4	17.0	16.4	16.5	—	12.1	12.6	12.0	12.0	—
44,47	OTHER TRANSPORTATION AND SERVICES	348.4	354.3	346.5	354.5	—	—	—	—	—	—
44	WATER TRANSPORTATION	201.7	206.3	192.5	198.7	—	—	—	—	—	—
47	TRANSPORTATION SERVICES	146.7	148.0	154.0	155.8	—	—	—	—	—	—
48	COMMUNICATION	1,149.6	1,143.3	1,156.5	1,162.6	—	883.8	875.9	885.2	890.1	—
481	Telephone communication	943.8	936.1	942.5	947.8	—	716.7	708.3	711.9	716.4	—
482	Telegraph communication ³	17.2	17.1	17.9	18.1	—	12.6	12.6	14.9	15.0	—
483	Radio and television broadcasting	154.9	156.3	160.5	160.9	—	124.3	125.7	127.6	127.6	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	734.3	742.7	737.5	740.4	—	613.4	618.1	608.9	611.4	—
491	Electric companies and systems	316.8	317.2	316.1	317.5	—	262.0	261.7	259.0	260.4	—
492	Gas companies and systems	158.6	161.9	155.8	156.6	—	130.6	133.9	128.0	129.1	—
493	Combination companies and systems	192.7	196.0	194.4	194.5	—	164.3	164.5	160.8	160.3	—
494,7	Water, steam, and sanitary systems	66.2	67.6	71.2	71.8	—	56.5	58.0	61.1	61.6	—
—	WHOLESALE AND RETAIL TRADE	17,606	17,757	18,026	18,167	18,332	15,564	15,705	15,900	16,030	16,158
50	WHOLESALE TRADE	4,228	4,280	4,332	4,351	4,407	3,496	3,544	3,578	3,595	3,638
501	Motor vehicles and automotive equipment	379.6	384.2	389.5	393.1	—	309.8	314.2	318.4	321.8	—
502	Drugs, chemicals, and allied products	240.2	242.2	243.6	244.1	—	190.9	193.3	193.1	193.5	—
503	Dry goods and apparel	156.5	157.4	159.3	158.7	—	121.9	122.9	122.6	122.0	—
504	Groceries and related products	605.3	623.6	613.5	613.3	—	526.7	543.6	528.6	531.4	—
506	Electrical goods	317.3	318.6	323.1	325.8	—	267.9	269.2	274.6	274.6	—
507	Hardware; plumbing and heating equipment	183.9	186.7	191.9	192.5	—	152.9	154.7	159.1	159.4	—
508	Machinery, equipment, and supplies	883.2	890.3	918.7	925.2	—	727.5	734.2	759.0	765.0	—
509	Miscellaneous wholesalers	1,355.7	1,368.7	1,382.2	1,389.6	—	1,111.7	1,123.1	1,132.5	1,140.1	—
52-59	RETAIL TRADE	13,378	13,477	13,694	13,816	13,925	12,068	12,161	12,322	12,435	12,520
53	Retail General Merchandise	2,445.5	2,452.1	2,449.5	2,467.5	—	2,243.5	2,252.7	2,252.0	2,270.8	—
531	Department stores	1,653.3	1,660.6	1,672.9	1,687.0	—	1,526.6	1,534.0	1,550.9	1,565.3	—
532	Mail order houses	110.9	108.8	105.8	105.2	—	103.1	101.4	100.3	99.7	—
533	Variety stores	304.3	302.1	302.5	306.5	—	284.4	282.5	281.4	285.2	—
54	FOOD STORES	2,052.1	2,053.8	2,087.8	2,092.9	—	1,900.9	1,901.6	1,928.5	19,33.6	—
541-3	Grocery, meat, and vegetable stores	1,868.6	1,869.2	1,894.2	1,899.6	—	1,730.8	1,731.0	1,749.2	1,754.7	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May 1977 ^D	June 1977 ^D	May 1976	June 1976	Apr. 1977	May 1977 ^D	June 1977 ^D
—	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	794.1	790.1	808.8	808.9	—	695.0	691.1	699.3	699.4	—
561	Men's and boys' clothing and furnishings	137.9	139.0	139.6	139.8	—	120.0	120.9	120.6	120.7	—
562	Women's ready-to-wear stores	296.8	293.8	292.4	292.9	—	261.6	259.3	253.8	254.5	—
565	Family clothing stores	124.8	124.0	125.1	127.1	—	113.6	112.5	111.6	113.4	—
566	Shoe stores	162.1	161.1	176.6	174.0	—	135.8	134.9	148.0	145.0	—
57	FURNITURE AND HOME FURNISHINGS										
	STORES	526.3	530.9	540.5	542.7	—	444.7	449.1	453.9	456.1	—
571	Furniture and home furnishings	319.9	323.7	323.1	324.4	—	272.5	276.1	273.3	274.7	—
58	EATING AND DRINKING PLACES	3,665.7	3,728.6	3,828.0	3,893.5	—	3,422.1	3,482.2	3,573.6	3,632.1	—
52,55,59	OTHER RETAIL TRADE	3,893.8	3,921.2	3,979.7	4,010.6	—	3,361.3	3,384.1	3,414.9	3,443.1	—
52	Building materials and farm equipment	629.9	644.2	639.7	651.8	—	538.1	551.7	544.4	556.5	—
55	Automotive dealers and service stations	1,741.2	1,757.6	1,765.4	1,775.2	—	—	—	—	—	—
551,2	Motor vehicle dealers	781.6	789.4	805.5	808.3	—	652.3	660.0	670.6	672.7	—
553,9	Other automotive and accessory dealers	332.8	340.4	339.2	345.0	—	280.8	288.4	286.0	292.5	—
554	Gasoline service stations	626.8	627.8	620.7	621.9	—	—	—	—	—	—
59	Miscellaneous retail stores	1,522.7	1,519.4	1,574.6	1,583.6	—	—	—	—	—	—
591	Drug stores and proprietary stores	473.1	476.3	476.0	482.3	—	421.9	425.2	422.7	426.6	—
594	Book and stationery stores	79.8	78.6	82.8	82.2	—	67.9	66.0	70.2	69.7	—
596	Farm and garden supply stores	143.4	141.2	151.4	151.0	—	—	—	—	—	—
598	Fuel and ice dealers	97.2	95.7	98.6	96.1	—	81.9	80.8	83.3	80.8	—
—	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,278	4,344	4,450	4,477	4,538	3,260	3,323	3,385	3,408	3,461
60	Banking	1,289.7	1,303.8	1,323.1	1,328.1	—	1,015.8	1,028.9	1,032.1	1,034.9	—
61	Credit agencies other than banks	457.2	462.2	488.7	492.5	—	350.1	355.2	376.6	379.2	—
612	Savings and loan associations	182.4	185.8	200.7	203.3	—	146.5	149.8	160.2	161.8	—
614	Personal credit institutions	193.4	193.7	202.1	202.8	—	—	—	—	—	—
62	Security, commodity brokers and services	176.9	176.9	182.4	181.1	—	144.0	144.1	148.8	148.3	—
63	Insurance carriers	1,106.5	1,114.0	1,138.1	1,141.3	—	745.7	752.7	771.7	773.7	—
631	Life insurance	514.9	519.0	517.9	518.0	—	295.2	298.6	294.2	294.0	—
632	Accident and health insurance	121.2	121.7	123.8	123.7	—	99.9	100.1	101.6	101.5	—
633	Fire, marine, and casualty insurance	410.1	412.5	430.1	432.6	—	301.0	303.9	321.1	322.8	—
64	Insurance agents, brokers, and service	340.6	340.5	358.7	360.0	—	—	—	—	—	—
65	Real estate	791.1	829.1	844.7	859.3	—	—	—	—	—	—
655	Subdividers and developers	120.4	124.3	116.8	123.2	—	—	—	—	—	—
656	Operative builders	55.4	57.6	63.3	64.4	—	—	—	—	—	—
66,67	Other finance, insurance, and real estate	116.2	117.4	114.5	114.8	—	—	—	—	—	—
—	SERVICES	14,654	14,815	15,182	15,296	15,495	13,207	13,360	13,638	13,729	13,878
70	Hotels and other lodging places	1,046.9	1,104.0	1,050.8	1,063.3	—	—	—	—	—	—
701	Hotels, tourist courts, and motels	880.1	917.6	848.7	862.2	—	815.2	852.9	784.3	795.9	—
72	Personal services	828.5	830.2	805.4	808.7	—	—	—	—	—	—
721	Laundries and dry cleaning plants	352.2	356.6	347.4	349.1	—	315.3	319.0	310.6	312.7	—
722	Photographic studios	43.0	43.0	38.9	39.3	—	37.6	37.4	34.7	35.1	—
73	Miscellaneous business services	2,088.4	2,126.0	2,206.0	2,223.4	—	—	—	—	—	—
731	Advertising	124.2	125.5	132.8	132.6	—	—	—	—	—	—
732	Credit reporting and collection	81.1	81.9	86.1	86.7	—	—	—	—	—	—
734	Services to buildings	410.4	412.3	423.8	426.1	—	—	—	—	—	—
76	Miscellaneous repair services	216.8	217.9	226.8	228.4	—	—	—	—	—	—
78	Motion pictures	202.8	211.6	198.0	200.9	—	—	—	—	—	—
781	Motion picture filming and distributing	60.9	64.6	59.1	60.8	—	44.3	48.5	48.3	50.1	—
782,3	Motion picture theaters and services	141.9	147.0	138.9	140.1	—	—	—	—	—	—
80	Medical and other health services	4,404.8	4,461.2	4,648.3	4,676.5	—	—	—	—	—	—
806	Hospitals	2,372.6	2,399.3	2,466.0	2,474.9	—	2,166.4	2,192.5	2,244.8	2,245.3	—
81	Legal services	357.8	378.1	391.4	394.6	—	—	—	—	—	—
82	Educational services	1,306.0	1,189.6	1,364.0	1,338.8	—	—	—	—	—	—
821	Elementary and secondary schools	423.3	408.9	443.0	444.9	—	—	—	—	—	—
822	Colleges and universities	709.7	612.8	731.0	703.6	—	—	—	—	—	—
89	Miscellaneous services	888.2	901.1	952.9	952.9	—	—	—	—	—	—
891	Engineering and architectural services	404.8	412.0	433.2	439.8	—	—	—	—	—	—
892	Nonprofit research agencies	148.0	151.8	160.6	162.2	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		May 1976	June 1976	Apr. 1977	May 1977 ^p	June 1977 ^p	May 1976	June 1976	Apr. 1977	May 1977 ^p	June 1977 ^p
—	GOVERNMENT	15,147	15,033	15,290	15,342	15,219	—	—	—	—	—
91	FEDERAL GOVERNMENT⁵	2,735	2,758	2,716	2,728	2,759	—	—	—	—	—
	Executive	2,686.0	2,707.8	2,664.0	2,675.8	—	—	—	—	—	
	Department of Defense	930.2	936.7	917.4	920.0	—	—	—	—	—	
	Postal Service	670.6	672.8	650.7	652.9	—	—	—	—	—	
	Other agencies	1,085.2	1,098.3	1,095.9	1,102.9	—	—	—	—	—	
	Legislative	38.1	39.3	39.4	39.8	—	—	—	—	—	
	Judicial	11.1	11.1	12.3	12.3	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,412	12,275	12,574	12,614	12,460	—	—	—	—	
92	State government	3,257.4	3,168.4	3,385.9	3,364.5	—	—	—	—	—	
	State education	1,402.4	1,273.7	1,473.6	1,446.3	—	—	—	—	—	
	Other State government	1,855.0	1,894.7	1,912.3	1,918.2	—	—	—	—	—	
93	Local government	9,154.7	9,106.3	9,187.8	9,249.7	—	—	—	—	—	
	Local education	5,215.1	5,037.9	5,300.6	5,335.3	—	—	—	—	—	
	Other local government	3,939.6	4,068.4	3,887.2	3,914.4	—	—	—	—	—	

¹ Data relate to production and related 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.

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

* Not available.

^p preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED EMPLOYMENT

B-4. Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

(1967 = 100)

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920.....	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1925.....	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926.....	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927.....	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928.....	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929.....	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930.....	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931.....	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932.....	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933.....	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934.....	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935.....	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936.....	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937.....	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938.....	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939.....	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940.....	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941.....	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942.....	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943.....	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944.....	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945.....	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946.....	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947.....	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948.....	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949.....	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950.....	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951.....	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952.....	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953.....	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954.....	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955.....	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956.....	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957.....	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958.....	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959.....	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960.....	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961.....	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962.....	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963.....	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964.....	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965.....	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966.....	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968.....	103.2	101.8	98.9	103.1	101.7	103.9	101.2	103.6	102.4	104.0	104.8	105.2	103.9	100.7	105.0
1969.....	107.0	104.5	101.0	109.9	103.7	108.3	104.1	108.1	105.9	108.8	110.4	111.2	107.1	101.4	108.8
1970.....	107.7	101.0	101.6	110.2	99.5	111.3	105.7	110.5	108.3	111.3	114.3	115.1	110.2	100.4	113.3
1971.....	108.1	98.1	99.3	113.4	95.5	113.6	104.6	112.8	108.5	114.4	117.9	117.9	113.1	99.2	117.4
1972.....	111.9	101.2	102.0	119.4	98.2	117.8	106.0	117.4	111.9	119.4	122.3	122.7	117.0	98.7	122.8
1973.....	116.8	106.3	105.1	125.2	103.2	122.5	109.0	122.5	116.5	124.7	126.9	128.9	120.5	97.9	127.6
1974.....	119.1	106.1	113.2	123.3	103.1	126.1	110.2	125.1	119.8	126.9	130.5	134.8	124.4	100.2	132.0
1975.....	117.0	97.1	121.5	109.5	94.3	127.8	105.6	124.9	118.5	127.2	130.9	138.7	129.1	101.1	138.0
1976.....	120.6	100.3	127.7	112.0	97.5	131.7	105.8	130.0	120.9	133.2	133.8	145.0	131.1	100.5	140.7
June ..	120.5	100.4	127.4	112.0	97.6	131.5	105.2	129.8	120.7	133.0	133.4	144.3	131.2	100.3	140.9
July ..	120.7	100.3	129.0	112.5	97.4	131.9	105.8	130.4	121.2	133.6	133.7	144.8	131.1	100.1	140.9
Aug. ..	120.9	100.2	122.7	111.6	97.6	132.2	105.6	130.6	121.2	133.8	133.7	145.6	131.4	100.5	141.1
Sept. ..	121.4	100.8	130.2	111.1	98.2	132.6	106.3	131.1	121.5	134.5	134.5	146.1	131.2	100.3	140.8
Oct.	121.2	100.2	130.5	111.7	97.4	132.7	105.7	131.0	121.8	134.2	135.2	146.4	131.5	100.4	141.2
Nov.	121.6	100.9	131.3	112.8	98.0	132.9	106.1	130.9	121.7	134.1	135.8	147.3	131.9	100.6	141.7
Dec.	122.0	101.0	131.8	112.4	98.2	133.5	106.9	131.5	122.1	134.8	136.5	147.9	132.0	100.0	142.0
1977:															
Jan.	122.3	101.4	133.3	111.0	98.8	133.8	106.8	132.2	122.6	135.5	137.1	148.6	131.7	100.1	141.6
Feb.	122.7	101.9	134.3	113.6	98.9	134.1	106.9	132.8	123.0	136.2	137.4	149.2	131.6	100.1	141.5
Mar.	123.6	103.2	137.4	117.2	99.8	134.8	107.2	133.7	123.5	137.2	138.1	150.0	131.9	100.2	141.8
Apr.	124.0	104.1	138.2	119.8	100.4	134.9	107.4	133.8	124.0	137.2	138.4	150.3	132.0	100.0	142.0
May ^p ..	124.4	104.5	137.7	120.5	100.8	135.3	107.6	134.0	124.3	137.3	138.9	150.6	132.6	100.1	142.8
June ^p ..	124.6	104.6	140.1	121.5	100.7	135.5	107.3	134.0	124.3	137.4	139.3	151.3	132.8	100.4	143.0

p = preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

B-5. Employees on nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May p	June p
TOTAL	79,368	79,513	79,618	79,918	79,819	80,106	80,344	80,561	80,824	81,395	81,686	81,921	82,056
GOODS-PRODUCING	23,357	23,344	23,310	23,463	23,323	23,489	23,508	23,589	23,701	24,005	24,217	24,310	24,332
MINING	781	791	752	798	800	805	808	817	823	842	847	844	859
CONTRACT CONSTRUCTION	3,592	3,608	3,579	3,565	3,582	3,619	3,605	3,561	3,645	3,759	3,842	3,867	3,898
MANUFACTURING	18,948	18,945	18,979	19,100	18,941	19,065	19,095	19,211	19,233	19,404	19,528	19,599	19,575
DURABLE GOODS	11,059	11,034	11,083	11,146	11,018	11,128	11,158	11,236	11,230	11,370	11,423	11,473	11,483
Ordnance and accessories	158	156	157	156	155	156	156	156	156	156	156	157	158
Lumber and wood products	601	605	605	613	613	621	626	625	626	633	639	638	638
Furniture and fixtures	493	490	486	495	491	491	493	494	497	503	507	509	511
Stone, clay, and glass products	628	631	628	630	630	636	629	631	620	641	651	652	655
Primary metal industries	1,200	1,206	1,215	1,216	1,194	1,186	1,182	1,183	1,178	1,199	1,208	1,217	1,218
Fabricated metal products	1,390	1,387	1,394	1,404	1,387	1,396	1,404	1,413	1,416	1,432	1,433	1,447	1,448
Machinery, except electrical	2,069	2,084	2,090	2,115	2,078	2,106	2,107	2,125	2,134	2,142	2,150	2,167	2,173
Electrical equipment and supplies	1,837	1,815	1,843	1,848	1,849	1,860	1,863	1,874	1,888	1,906	1,919	1,930	1,926
Transportation equipment	1,743	1,728	1,737	1,737	1,695	1,749	1,766	1,790	1,766	1,808	1,808	1,806	1,809
Instruments and related products	513	512	510	512	511	514	517	521	524	526	526	527	529
Miscellaneous manufacturing	427	420	418	420	415	413	415	424	425	424	425	422	421
NONDURABLE GOODS	7,925	7,911	7,896	7,954	7,923	7,937	7,937	7,975	8,003	8,034	8,105	8,126	8,092
Food and kindred products	1,718	1,719	1,715	1,711	1,706	1,711	1,710	1,721	1,727	1,734	1,743	1,732	1,712
Tobacco manufactures	75	80	78	76	76	75	75	74	73	68	73	71	70
Textile mill products	973	970	969	971	961	960	957	958	964	973	981	989	987
Apparel and other textile products	1,320	1,299	1,292	1,281	1,273	1,276	1,271	1,278	1,280	1,283	1,291	1,297	1,301
Paper and allied products	678	680	679	681	677	680	680	684	688	688	697	703	702
Printing and publishing	1,077	1,082	1,082	1,086	1,087	1,089	1,089	1,090	1,095	1,097	1,102	1,108	1,108
Chemicals and allied products	1,029	1,037	1,040	1,035	1,032	1,038	1,041	1,044	1,050	1,051	1,060	1,063	1,059
Petroleum and coal products	202	201	202	202	202	203	204	205	205	207	211	210	209
Rubber and plastics products, nec	577	572	572	643	645	642	647	656	656	666	680	685	679
Leather and leather products	276	271	267	268	264	263	263	265	265	267	267	268	265
SERVICE-PRODUCING	56,011	56,169	56,308	56,455	56,496	56,617	56,836	56,972	57,123	57,390	57,469	57,611	57,724
TRANSPORTATION AND PUBLIC UTILITIES	4,482	4,508	4,501	4,528	4,506	4,519	4,553	4,549	4,553	4,568	4,575	4,585	4,574
WHOLESALE AND RETAIL TRADE ..	17,664	17,737	17,764	17,839	17,824	17,808	17,898	17,981	18,067	18,189	18,203	18,226	18,237
WHOLESALE TRADE	4,254	4,271	4,272	4,283	4,292	4,291	4,304	4,323	4,334	4,354	4,371	4,382	4,381
RETAIL TRADE	13,410	13,466	13,492	13,556	13,532	13,517	13,594	13,658	13,733	13,835	13,832	13,844	13,856
FINANCE, INSURANCE, AND REAL ESTATE	4,301	4,312	4,312	4,338	4,359	4,381	4,403	4,423	4,431	4,453	4,463	4,481	4,493
SERVICES	14,610	14,664	14,751	14,798	14,819	14,873	14,936	15,010	15,068	15,149	15,182	15,205	15,281
Hotels and other lodging places	1,044	1,060	1,061	1,068	1,069	1,071	1,090	1,099	1,084	1,090	1,092	1,073	-
Personal services	822	823	823	817	814	809	808	808	807	809	809	805	-
Medical and other health services	4,439	4,417	4,476	4,505	4,519	4,648	4,577	4,584	4,603	4,629	4,658	4,681	-
Educational services	1,248	1,248	1,252	1,266	1,283	1,277	1,271	1,269	1,282	1,288	1,290	1,286	-
GOVERNMENT	14,954	14,948	14,980	14,952	14,988	15,036	15,046	15,009	15,004	15,031	15,046	15,114	15,139
FEDERAL	2,728	2,723	2,732	2,728	2,730	2,734	2,720	2,721	2,721	2,725	2,719	2,723	2,729
STATE AND LOCAL	12,226	12,225	12,248	12,224	12,258	12,302	12,326	12,288	12,283	12,306	12,327	12,391	12,410

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

**B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL	53,007	53,104	53,151	53,474	53,309	53,498	53,672	53,813	54,965	54,534	54,771	54,920	54,934
GOODS-PRODUCING	17,101	17,085	17,029	17,180	17,032	17,172	17,158	17,190	17,287	17,568	17,771	17,867	17,871
MINING	592	599	561	605	605	612	613	609	617	637	640	635	647
CONTRACT CONSTRUCTION	2,844	2,868	2,841	2,826	2,852	2,885	2,854	2,780	2,860	2,973	3,065	3,084	3,105
MANUFACTURING	13,665	13,618	13,627	13,749	13,575	13,675	13,691	13,801	13,810	13,958	14,066	14,148	14,119
DURABLE GOODS	7,905	7,878	7,911	7,975	7,833	7,929	7,955	8,026	8,011	8,128	8,177	8,239	8,240
Ordnance and accessories	72	71	71	70	69	69	70	70	70	69	72	73	72
Lumber and wood products	504	507	507	515	515	522	528	529	531	538	543	544	545
Furniture and fixtures	405	401	398	408	403	403	406	403	408	413	418	420	421
Stone, clay, and glass products	501	503	499	503	501	506	500	501	488	510	519	521	523
Primary metal industries	943	952	956	959	934	926	923	923	917	938	944	954	955
Fabricated metal products	1,049	1,045	1,051	1,062	1,044	1,051	1,059	1,069	1,071	1,083	1,085	1,098	1,099
Machinery, except electrical	1,336	1,347	1,350	1,370	1,329	1,357	1,358	1,373	1,378	1,384	1,387	1,410	1,412
Electrical equipment and supplies	1,218	1,199	1,222	1,224	1,224	1,232	1,231	1,237	1,250	1,265	1,277	1,289	1,285
Transportation equipment	1,236	1,219	1,228	1,230	1,186	1,236	1,251	1,278	1,251	1,281	1,284	1,281	1,280
Instruments and related products	313	314	311	312	311	312	315	318	320	321	322	324	325
Miscellaneous manufacturing	328	320	318	322	317	315	314	325	327	326	326	325	323
NONDURABLE GOODS	5,760	5,740	5,716	5,772	5,742	5,746	5,736	5,775	5,799	5,830	5,889	5,909	5,879
Food and kindred products	1,172	1,177	1,168	1,164	1,159	1,161	1,156	1,169	1,175	1,183	1,190	1,181	1,161
Tobacco manufactures	62	67	65	63	63	63	62	60	60	56	60	56	56
Textile mill products	850	847	845	848	838	835	833	835	840	848	856	864	861
Apparel and other textile products	1,138	1,115	1,109	1,100	1,091	1,093	1,089	1,096	1,098	1,100	1,108	1,114	1,117
Paper and allied products	517	516	514	515	512	515	514	517	517	517	524	530	531
Printing and publishing	630	630	629	632	632	632	631	631	635	635	639	643	642
Chemicals and allied products	587	591	595	589	588	590	590	594	601	602	608	613	612
Petroleum and coal products	130	130	130	130	131	132	132	133	132	135	138	138	138
Rubber and plastics products, nec	436	433	432	504	502	501	505	513	514	525	537	540	534
Leather and leather products	238	234	229	229	226	224	224	227	227	229	229	230	227
SERVICE-PRODUCING	35,906	36,019	36,122	36,294	36,277	36,326	36,514	36,623	36,778	36,966	37,000	37,053	37,063
TRANSPORTATION AND PUBLIC UTILITIES	3,840	3,859	3,854	3,877	3,856	3,861	3,900	3,882	3,878	3,890	3,897	3,908	3,899
WHOLESALE AND RETAIL TRADE ..	15,623	15,668	15,700	15,771	15,761	15,734	15,792	15,876	15,974	16,071	16,077	16,100	16,074
WHOLESALE TRADE	3,523	3,532	3,534	3,547	3,554	3,553	3,562	3,572	3,584	3,602	3,618	3,628	3,616
RETAIL TRADE	12,100	12,136	12,166	12,224	12,207	12,181	12,230	12,304	12,390	12,469	12,459	12,472	12,458
FINANCE, INSURANCE, AND REAL ESTATE	3,280	3,288	3,289	3,309	3,325	3,345	3,364	3,374	3,382	3,396	3,402	3,411	3,417
SERVICES	13,163	13,204	13,279	13,337	13,335	13,386	13,458	13,491	13,544	13,609	13,624	13,634	13,673

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, 1974 to date

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	14.0	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	75.0p
December	68.3	75.9	76.7	75.3p
1977				
January	71.5	76.7	88.4	
February	61.6	84.6	87.2p	
March	79.7	86.0	84.0p	
April	79.1	82.6p		
May	65.4p	73.8p		
June	51.7p			
July				
August				
September				
October				
November				
December				

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

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	May 1976	Apr. 1977	May 1977P	May 1976	Apr. 1977	May 1977P	May 1976	Apr. 1977	May 1977P	May 1976	Apr. 1977	May 1977P
1 ALABAMA	1,199.0	1,244.7	1,249.8	13.9	15.1	15.0	68.9	69.4	71.7	336.2	351.7	350.8
2 Birmingham	319.6	327.3	326.4	8.4	8.7	8.6	19.8	20.2	20.9	66.4	67.1	65.4
3 Huntsville	104.7	104.9	105.5	(1)	(1)	(1)	3.7	3.5	3.6	29.1	30.6	30.6
4 Mobile	133.6	134.1	134.3	(1)	(1)	(1)	11.3	10.4	10.5	26.3	26.6	26.3
5 Montgomery	89.1	89.9	90.2	(1)	(1)	(1)	6.2	5.6	5.8	13.7	14.2	14.2
6 Tuscaloosa	45.6	48.5	48.5	.7	.8	.8	3.1	3.1	3.2	9.3	10.5	10.5
7 ALASKA	176.5	154.1	153.9	3.6	5.0	4.9	33.0	18.9	18.8	10.5	10.2	9.7
8 ARIZONA	761.2	786.9	787.1	24.0	25.4	25.4	41.5	45.8	46.8	105.1	109.8	110.4
9 Phoenix	450.3	470.4	470.9	.5	.5	.5	23.6	27.0	27.7	76.7	81.1	81.5
10 Tucson	148.4	152.4	151.6	7.3	8.2	8.2	9.2	9.5	9.7	12.3	12.9	13.0
11 ARKANSAS	661.4	686.6	693.3	4.7	5.0	5.1	34.1	35.2	36.5	195.5	206.5	208.4
12 Fayetteville-Springdale	52.4	55.1	55.2	(1)	(1)	(1)	2.6	2.9	3.0	15.5	16.6	16.7
13 Fort Smith	59.9	62.4	62.9	.5	.5	.5	2.4	2.5	2.6	21.9	23.1	23.4
14 Little Rock-North Little Rock	156.6	162.1	162.8	(1)	(1)	(1)	7.9	9.4	9.5	28.8	30.0	30.2
15 Pine Bluff	26.4	27.1	26.9	(1)	(1)	(1)	1.2	1.1	1.1	5.7	5.8	5.9
16 CALIFORNIA	8,091.0	8,382.4	8,467.1	34.4	35.5	35.7	312.5	345.0	360.9	1,634.7	1,667.9	1,680.7
17 Anaheim-Santa Ana-Garden Grove	598.2	633.6	638.4	1.9	1.9	2.0	27.7	36.4	37.9	159.8	164.3	164.8
18 Bakersfield	106.9	109.7	110.5	8.5	8.7	8.8	4.3	4.6	4.6	8.5	8.8	8.9
19 Fresno	154.7	158.6	161.3	.7	.7	.7	7.7	7.9	8.5	20.5	20.9	21.6
20 Los Angeles-Long Beach	3,087.5	3,201.1	3,217.6	11.1	11.5	11.4	95.6	98.2	101.3	789.0	812.4	819.8
21 Modesto	71.0	76.5	76.0	.1	.1	.1	4.3	4.5	4.8	15.1	16.9	15.9
22 Oxnard-Simi Valley-Ventura	117.6	118.9	119.7	2.0	2.1	2.1	4.7	4.6	4.7	17.7	17.8	17.9
23 Riverside-San Bernardino-Ontario	345.5	352.6	354.9	2.3	2.3	2.3	13.4	13.1	13.9	53.7	53.1	53.6
24 Sacramento	329.8	343.5	346.4	.3	.3	.3	14.5	14.2	15.3	22.7	23.3	23.5
25 Salinas-Seaside-Monterey	75.9	77.4	78.8	.6	.6	.6	2.6	2.9	2.9	8.3	9.7	9.8
26 San Diego	493.3	509.4	513.9	.8	.8	.8	26.4	28.5	29.2	72.4	72.6	72.8
27 San Francisco-Oakland	1,356.6	1,376.3	1,384.6	2.2	2.3	2.3	58.0	58.0	59.6	184.7	182.1	184.2
28 San Jose	489.0	503.1	508.3	.1	.1	.1	17.0	17.5	18.0	159.7	162.7	164.8
29 Santa Barbara-Santa Maria-Lompoc	101.4	104.8	105.0	1.0	1.0	1.0	3.4	3.5	3.5	13.6	14.3	14.4
30 Santa Rosa	68.9	70.3	71.5	.4	.4	.4	3.6	3.7	3.9	9.8	9.8	9.8
31 Stockton	103.2	103.7	106.5	.1	.1	.1	3.7	3.7	4.0	18.2	17.9	18.8
32 Vallejo-Fairfield-Napa	84.6	86.6	86.8	.2	.2	.2	3.2	2.7	2.9	8.6	8.3	7.9
33 COLORADO ²	981.2	988.9	996.2	19.4	21.3	21.8	55.5	54.2	56.6	138.0	141.2	142.1
34 Denver-Boulder ²	621.5	627.2	630.8	7.9	8.8	8.9	36.4	36.5	38.3	93.4	96.6	96.8
35 CONNECTICUT	1,241.7	1,247.1	1,257.3	(3)	(3)	(3)	41.3	37.2	40.8	396.0	397.6	399.1
36 Bridgeport	146.3	145.3	146.0	(3)	(3)	(3)	3.9	3.6	3.8	57.3	58.7	59.0
37 Hartford	342.8	342.9	345.7	(3)	(3)	(3)	11.0	8.5	9.6	84.5	82.5	83.0
38 New Britain	53.0	55.3	55.9	(3)	(3)	(3)	1.8	1.8	2.0	24.5	26.1	26.4
39 New Haven-West Haven	174.0	171.7	172.8	(3)	(3)	(3)	5.6	4.6	4.9	43.7	42.9	43.0
40 Stamford	91.3	91.1	92.8	(3)	(3)	(3)	3.2	3.1	3.3	28.3	27.7	27.7
41 Waterbury	78.4	81.9	82.9	(3)	(3)	(3)	2.5	1.8	2.1	30.3	33.2	33.4
42 DELAWARE	235.9	234.6	236.0	(1)	(1)	(1)	14.5	13.9	14.2	68.4	67.4	68.1
43 Wilmington	206.3	205.7	206.9	(1)	(1)	(1)	12.3	12.5	12.6	64.7	63.4	63.8
44 DISTRICT OF COLUMBIA	575.1	575.2	577.3	(1)	(1)	(1)	17.4	17.5	17.8	15.6	15.5	15.4
45 Washington SMSA	1,364.7	1,373.2	1,383.7	(1)	(1)	(1)	71.7	70.5	72.9	49.1	49.3	49.8
46 FLORIDA	2,776.6	2,907.0	2,878.9	9.2	9.3	9.5	159.9	175.1	177.4	346.1	354.5	356.7
47 Fort Lauderdale-Hollywood	238.8	247.4	243.6	(1)	(1)	(1)	15.7	17.4	17.6	25.5	26.8	27.3
48 Jacksonville	258.2	259.8	260.9	(1)	(1)	(1)	14.5	14.8	14.9	29.8	28.7	29.3
49 Miami	585.7	593.5	589.7	(1)	(1)	(1)	22.9	22.8	23.3	84.9	86.0	86.7
50 Orlando	213.1	216.6	215.2	(1)	(1)	(1)	11.4	11.7	11.7	25.7	26.1	26.0
51 Pensacola	87.8	89.8	91.2	(1)	(1)	(1)	6.5	6.8	6.9	13.8	13.6	13.9
52 Tampa-St. Petersburg	423.3	428.7	424.8	(1)	(1)	(1)	28.0	27.2	26.8	58.1	57.9	58.4
53 West Palm Beach-Boca Raton	143.2	151.7	149.1	(1)	(1)	(1)	9.5	9.7	9.7	17.4	19.2	19.4
54 GEORGIA	1,840.5	1,911.3	1,917.3	6.9	7.2	7.2	84.1	94.9	97.7	477.4	487.8	490.4
55 Atlanta ⁴	767.6	791.2	792.4	(1)	(1)	(1)	31.9	33.1	33.6	124.8	128.2	128.4
56 Augusta ⁴	105.8	108.6	109.6	(1)	(1)	(1)	6.1	7.3	7.7	34.1	35.0	35.4
57 Columbus	75.3	75.2	75.8	(1)	(1)	(1)	4.5	4.0	4.1	19.9	20.3	20.6
58 Macon	92.8	93.8	93.9	(1)	(1)	(1)	5.1	6.1	6.1	16.4	16.3	16.5
59 Savannah ⁴	75.6	79.0	79.1	(1)	(1)	(1)	4.8	5.0	5.1	15.8	16.1	16.0
60 HAWAII ²	342.4	347.6	347.9	(1)	(1)	(1)	23.9	22.3	22.4	24.1	23.7	24.2
61 Honolulu ²	288.0	292.4	292.8	(1)	(1)	(1)	20.3	18.9	19.1	17.5	17.4	18.0

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	
61.7	65.4	65.7	243.3	252.8	253.6	51.9	53.9	54.2	173.1	180.8	181.8	250.0	255.6	257.0	1
23.6	24.6	24.7	76.7	78.7	78.8	20.3	20.8	20.9	55.4	56.9	56.9	49.0	50.3	50.2	2
2.2	2.3	2.4	19.7	19.8	20.0	2.8	2.8	2.8	15.2	15.2	15.4	32.0	30.7	30.7	3
10.7	10.2	10.2	32.3	32.8	32.9	6.0	6.2	6.3	26.1	26.1	26.3	21.4	21.8	21.8	4
4.1	4.2	4.2	20.6	20.7	20.8	5.1	5.2	5.3	16.2	16.8	16.7	23.2	23.2	23.2	5
1.8	1.8	1.8	8.5	9.1	9.0	1.5	1.5	1.6	4.7	5.1	4.8	16.0	16.6	16.8	6
16.1	14.7	15.8	28.6	26.4	26.1	6.9	7.3	7.4	29.7	25.4	25.1	48.1	46.2	46.1	7
39.3	40.1	40.1	184.6	188.5	188.7	42.4	43.7	43.9	143.5	148.4	147.3	180.8	185.2	184.5	8
23.5	24.1	24.2	119.0	122.9	123.0	32.6	33.7	33.9	86.3	90.7	89.7	88.1	90.4	90.4	9
7.6	7.6	7.5	33.7	33.6	33.5	5.9	5.9	6.0	29.9	30.8	30.4	42.5	43.9	43.3	10
37.4	38.2	38.5	141.3	146.5	148.0	27.7	29.5	29.7	94.0	97.5	98.1	126.7	128.2	129.0	11
3.1	2.9	2.9	12.0	12.9	12.9	1.9	1.9	1.9	7.0	7.4	7.5	10.3	10.5	10.4	12
3.2	3.3	3.2	12.9	13.4	13.5	2.1	2.2	2.2	9.7	10.3	10.3	7.2	7.1	7.2	13
11.1	11.1	11.1	36.6	37.2	37.5	11.2	12.0	12.0	27.9	28.5	28.5	33.1	33.9	34.0	14
3.3	3.4	3.4	5.4	5.4	5.4	1.1	1.2	1.2	4.0	4.0	4.0	5.7	6.2	5.9	15
460.4	471.2	476.2	1,860.3	1,913.7	1,948.5	467.6	487.1	489.6	1,604.2	1,679.1	1,691.1	1,716.9	1,782.9	1,784.4	16
18.7	19.5	19.6	145.5	154.0	155.6	32.6	35.2	35.5	114.0	119.9	120.0	98.0	102.4	103.0	17
6.5	6.8	6.9	27.1	27.2	27.7	3.9	3.9	3.9	17.4	18.2	18.2	30.7	31.5	31.5	18
8.7	8.7	8.9	40.0	41.2	42.1	7.8	8.0	8.2	28.2	29.1	29.3	41.1	42.1	42.0	19
171.6	176.2	177.3	706.9	737.7	743.7	187.7	194.9	195.7	638.7	672.4	673.1	486.9	497.8	495.3	20
3.2	3.3	3.3	16.8	18.7	18.8	2.0	2.1	2.1	13.1	13.4	13.5	16.4	17.5	17.5	21
4.5	4.7	4.7	28.0	28.0	28.5	4.5	4.5	4.5	20.0	20.7	20.7	36.2	36.5	36.6	22
18.9	19.5	19.7	82.5	84.1	84.7	13.3	13.7	13.7	70.7	73.3	73.3	90.7	93.5	93.7	23
17.0	17.5	17.7	73.9	78.4	78.8	14.8	15.8	16.0	56.2	59.4	59.4	130.4	134.6	135.4	24
4.4	4.3	4.5	19.5	19.3	20.1	3.3	3.3	3.3	15.2	15.1	15.3	22.0	22.2	22.3	25
22.7	23.6	23.9	113.7	118.4	119.1	26.1	27.5	27.8	99.9	104.5	105.4	131.3	133.5	134.9	26
119.5	119.3	119.7	302.4	309.3	311.4	115.6	117.2	117.2	276.3	283.2	284.7	297.9	305.0	305.5	27
18.0	18.6	18.6	96.7	100.1	101.3	19.9	20.7	20.8	101.6	105.3	106.5	76.9	78.1	78.2	28
3.4	3.4	3.4	23.7	25.3	25.3	4.4	4.4	4.4	24.2	24.9	24.9	27.7	28.0	28.1	29
3.4	3.3	3.4	16.6	17.4	17.7	3.7	3.7	3.9	13.0	13.1	13.3	18.4	18.9	19.1	30
7.5	7.0	7.2	23.8	24.0	24.9	4.1	4.1	4.1	19.3	19.9	20.2	26.5	27.0	27.2	31
4.0	4.1	4.1	15.8	15.9	16.2	2.6	2.7	2.7	14.9	15.6	15.8	35.3	37.1	37.0	32
59.8	61.6	62.0	233.4	234.9	236.4	58.7	60.6	60.9	193.9	194.8	196.0	227.5	220.3	220.4	33
40.0	41.2	41.6	155.1	155.0	155.4	44.0	45.0	45.1	126.4	125.6	126.3	118.3	118.4	118.2	34
54.0	52.9	53.5	255.0	257.5	260.9	87.0	88.9	89.4	230.4	235.1	237.7	177.9	177.9	175.8	35
5.5	5.5	5.5	29.7	29.1	29.2	6.0	5.9	5.9	26.2	24.8	25.0	17.6	17.7	17.7	36
12.6	12.8	12.9	71.7	73.8	74.3	49.9	51.3	51.5	61.2	63.2	63.6	50.9	50.9	50.8	37
1.3	1.3	1.3	9.1	9.3	9.4	1.5	1.6	1.6	8.1	8.4	8.5	6.7	6.8	6.8	38
14.0	13.7	13.8	36.6	36.5	37.0	9.6	9.7	9.7	40.9	40.6	41.1	23.7	23.8	23.5	39
3.2	3.1	3.2	20.5	20.7	21.0	6.0	6.0	6.1	20.3	20.1	20.9	9.9	10.6	10.6	40
2.9	2.9	3.0	14.6	14.9	15.1	2.7	2.8	2.9	14.6	15.3	15.6	10.8	10.9	10.8	41
12.0	12.1	12.0	51.7	51.1	51.2	10.9	11.0	11.0	38.7	38.0	38.5	39.7	41.1	41.0	42
10.5	10.6	10.6	42.5	42.1	42.4	10.0	10.0	10.0	33.6	33.1	33.7	32.7	34.0	33.8	43
29.0	29.0	29.1	64.9	65.9	66.1	33.3	32.5	32.5	146.9	149.1	149.2	268.0	265.7	267.2	44
65.1	65.4	65.5	262.9	266.8	269.1	78.4	78.3	79.1	319.3	325.2	327.0	518.2	517.7	520.3	45
180.1	187.8	187.0	719.9	761.3	745.2	187.7	190.8	191.3	615.9	648.5	631.3	557.8	579.7	580.5	46
13.8	13.4	13.5	69.5	70.1	67.4	18.8	20.9	21.0	56.9	59.7	57.4	38.6	39.1	39.4	47
21.2	21.2	21.2	68.4	69.9	70.0	26.5	26.4	26.5	47.4	48.2	48.3	50.4	50.6	50.7	48
57.9	58.5	58.8	149.9	150.7	149.0	43.0	44.3	43.9	143.1	146.8	144.1	84.0	84.5	83.9	49
11.6	11.7	11.7	59.1	60.2	59.7	13.9	14.2	14.2	55.2	56.6	55.7	36.2	36.1	36.2	50
4.2	4.4	4.5	19.9	21.0	21.4	3.5	3.6	3.6	15.4	16.0	16.5	24.5	24.4	24.4	51
26.3	26.9	26.7	120.0	121.0	119.1	29.2	29.7	29.5	91.3	95.2	93.0	70.4	70.8	71.3	52
6.7	6.7	6.7	38.6	40.3	39.5	10.7	11.3	11.3	35.3	38.3	36.3	25.0	26.2	26.2	53
115.6	120.4	120.3	415.5	432.3	433.4	98.2	100.0	100.1	275.3	292.5	292.9	367.5	376.1	375.1	54
68.7	69.8	70.0	214.2	221.6	222.0	56.5	57.4	57.4	143.2	147.1	147.1	128.3	133.9	134.0	55
4.0	4.1	4.1	18.2	18.3	18.3	3.7	3.7	3.7	13.1	13.6	13.7	26.7	26.7	26.7	56
2.9	3.0	3.0	15.6	15.3	15.5	4.5	4.6	4.7	9.9	10.1	10.2	17.9	17.9	17.8	57
4.2	4.2	4.2	17.2	16.3	16.3	5.4	5.3	5.4	14.5	15.6	15.4	30.1	30.0	30.0	58
8.1	8.6	8.6	17.3	18.2	18.2	3.7	3.7	3.8	12.4	13.1	13.0	13.7	14.3	14.4	59
25.6	25.7	25.9	86.0	87.0	86.8	23.5	24.4	24.4	73.4	76.7	77.0	85.9	87.8	87.2	60
21.5	21.7	21.8	73.3	74.1	74.0	21.2	22.0	22.0	60.5	63.1	63.3	73.7	75.2	74.6	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
1 IDAHO	288.4	300.6	304.8	3.2	3.5	3.1	16.5	17.4	19.1	50.7	52.6	52.3
2 Boise City	65.6	68.4	69.1	(1)	(1)	(1)	5.1	5.1	5.3	6.6	6.8	6.9
3 ILLINOIS	4,483.1	4,533.3	4,565.0	26.7	27.0	27.2	175.3	164.1	176.4	1,189.4	1,213.7	1,217.1
4 Bloomington—Normal	45.7	47.8	48.0	(3)	(3)	(3)	1.2	1.1	1.3	6.5	7.4	7.5
5 Champaign—Urbana—Rantoul	67.2	67.4	66.9	(3)	(3)	(3)	2.9	2.8	3.0	6.2	6.2	6.2
6 Chicago—Gary	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
7 Chicago SMSA ¹	2,998.5	3,048.8	3,084.3	4.4	4.3	4.3	108.0	103.8	109.6	799.4	819.9	828.2
8 Davenport—Rock Island—Moline	151.5	153.4	153.6	(3)	(3)	(3)	5.7	5.4	5.5	48.0	50.2	49.9
9 Decatur	51.3	54.0	53.0	(3)	(3)	(3)	3.4	3.4	3.6	17.7	19.2	18.2
10 Peoria	145.5	143.5	144.6	(3)	(3)	(3)	8.5	8.3	8.7	50.8	49.5	49.2
11 Rockford	111.0	114.2	114.4	(3)	(3)	(3)	3.3	3.2	3.6	49.3	51.9	51.2
12 Springfield	78.3	77.1	79.1	(3)	(3)	(3)	3.9	4.2	4.4	8.2	6.6	8.3
13 INDIANA	2,013.6	2,044.6	2,062.4	8.8	7.8	8.1	81.8	77.3	82.5	682.6	697.0	702.1
14 Evansville	112.7	112.3	113.8	2.4	2.3	2.4	5.3	4.8	5.1	36.5	36.4	36.9
15 Fort Wayne	155.8	158.7	160.7	(1)	(1)	(1)	6.6	6.1	6.4	54.8	57.6	58.3
16 Gary—Hammond—East Chicago ²	236.0	237.5	241.9	(1)	(1)	(1)	12.7	12.8	13.5	97.6	99.1	101.1
17 Indianapolis	464.4	471.7	475.5	(1)	(1)	(1)	17.2	16.6	17.6	120.3	122.2	122.9
18 Muncie	47.7	49.3	49.4	(1)	(1)	(1)	1.6	1.8	1.8	15.0	15.0	15.0
19 South Bend	101.0	103.4	103.4	(1)	(1)	(1)	4.0	4.1	4.2	29.9	32.4	31.9
20 Terre Haute	56.8	57.5	57.2	1.1	1.1	1.1	2.1	1.8	2.1	15.4	15.0	15.3
21 IOWA ²	1,021.6	1,033.2	1,036.5	2.8	2.8	3.0	46.6	44.9	41.8	231.4	237.9	238.2
22 Cedar Rapids ²	75.1	75.4	75.8	(1)	(1)	(1)	3.2	2.9	2.9	27.3	27.7	27.6
23 Des Moines ²	155.5	158.8	156.1	(1)	(1)	(1)	7.0	6.7	3.8	21.9	23.9	22.9
24 Dubuque ²	40.1	40.7	40.9	(1)	(1)	(1)	1.2	1.0	1.1	16.2	16.4	16.3
25 Sioux City ²	50.1	48.7	47.5	(1)	(1)	(1)	3.0	3.8	2.2	12.7	10.4	10.6
26 Waterloo—Cedar Falls ²	57.9	59.1	59.3	(1)	(1)	(1)	2.1	2.1	2.0	20.3	21.1	21.1
27 KANSAS	830.6	851.8	857.5	10.5	11.1	11.1	42.0	42.7	44.6	162.9	167.0	167.2
28 Topeka	75.5	79.0	79.4	.2	.2	.2	3.2	3.3	3.4	7.9	11.4	11.4
29 Wichita	171.9	175.0	176.1	1.7	1.7	1.8	9.1	10.0	10.5	51.9	52.3	52.2
30 KENTUCKY	1,113.2	1,129.6	1,137.7	46.9	46.9	47.0	56.4	58.9	60.5	273.9	276.8	278.0
31 Lexington—Fayette	126.9	135.1	134.2	(1)	(1)	(1)	6.9	6.7	7.1	28.8	29.9	28.6
32 Louisville	358.4	363.6	367.4	(1)	(1)	(1)	16.0	15.5	16.4	105.5	105.6	106.6
33 LOUISIANA	1,288.5	1,308.3	1,312.9	61.8	63.8	63.9	102.8	116.1	116.0	191.1	192.1	195.0
34 Baton Rouge	170.7	173.7	173.5	1.0	1.0	1.0	22.3	23.5	22.9	52.0	24.6	24.7
35 Lake Charles	51.1	50.2	52.0	1.6	1.6	1.6	4.8	4.9	5.3	10.7	9.4	11.1
36 Monroe	43.9	43.2	43.6	.4	.4	.4	3.3	3.4	3.5	7.3	7.3	7.3
37 New Orleans	434.5	436.8	438.2	14.3	14.8	14.9	27.1	26.4	26.9	52.6	52.2	52.5
38 Shreveport	126.1	130.1	130.6	4.6	4.8	5.0	7.0	7.6	7.7	25.4	26.7	26.9
39 MAINE	374.9	378.0	385.7	(1)	(1)	(1)	22.1	18.8	21.9	101.6	103.3	104.0
40 Lewiston—Auburn	31.6	32.9	33.2	(1)	(1)	(1)	1.2	1.1	1.2	12.0	12.6	12.7
41 Portland	80.8	82.0	83.1	(1)	(1)	(1)	4.1	3.6	4.1	16.1	15.7	15.6
42 MARYLAND	1,507.3	1,524.1	1,538.3	1.7	1.7	1.7	92.0	92.7	95.7	232.3	234.1	235.6
43 Baltimore	854.7	862.6	869.4	(1)	(1)	(1)	43.9	44.5	46.5	162.9	163.4	164.3
44 MASSACHUSETTS	2,313.9	2,349.7	2,362.9	(1)	(1)	(1)	74.4	68.1	71.4	594.6	606.2	609.5
45 Boston	1,267.7	1,267.5	1,273.3	(1)	(1)	(1)	42.6	38.3	40.2	255.0	257.9	258.5
46 Brockton	49.6	50.8	51.0	-	-	-	1.5	1.4	1.5	11.6	11.9	12.0
47 Fall River	51.3	51.8	52.1	(1)	(1)	(1)	1.5	1.4	1.4	20.9	20.6	20.6
48 Lawrence—Haverhill	96.0	95.8	96.8	(1)	(1)	(1)	2.6	2.3	2.5	37.4	36.6	37.1
49 Lowell	62.0	62.2	62.8	(1)	(1)	(1)	2.3	2.2	2.4	21.0	21.2	21.5
50 New Bedford	59.4	61.1	61.5	(1)	(1)	(1)	1.5	1.5	1.6	24.0	24.9	24.9
51 Springfield—Chicopee—Holyoke	210.9	215.3	217.2	(1)	(1)	(1)	5.4	4.9	5.3	61.4	62.9	64.5
52 Worcester	145.3	147.6	147.6	(1)	(1)	(1)	4.0	3.6	3.8	43.0	44.9	45.0
53 MICHIGAN	3,263.2	3,356.2	(*)	13.2	11.7	(*)	101.4	114.3	(*)	1,059.9	1,086.0	(*)
54 Ann Arbor	116.6	125.0	(*)	(1)	(1)	(*)	2.5	2.3	(*)	36.2	39.4	(*)
55 Battle Creek	63.7	63.3	(*)	(1)	(1)	(*)	1.5	1.2	(*)	23.4	22.4	(*)
56 Bay City	33.8	33.6	(*)	(1)	(1)	(*)	1.0	1.2	(*)	10.4	10.3	(*)
57 Detroit	1,625.5	1,655.3	(*)	1.2	1.2	(*)	47.1	54.9	(*)	545.6	559.1	(*)
58 Flint	179.0	187.3	(*)	(1)	(1)	(*)	4.0	5.5	(*)	76.6	81.3	(*)
59 Grand Rapids	228.8	234.8	(*)	(1)	(1)	(*)	9.0	8.8	(*)	76.5	80.9	(*)
60 Jackson	48.0	49.8	(*)	(1)	(1)	(*)	1.6	1.1	(*)	13.9	15.6	(*)
61 Kalamazoo—Portage	99.0	103.3	(*)	(1)	(1)	(*)	4.0	3.6	(*)	33.5	34.8	(*)
62 Lansing—East Lansing	172.5	177.2	(*)	(1)	(1)	(*)	4.9	4.4	(*)	37.3	40.6	(*)
63 Muskegon—Norton Shores—Musk. Hgts.	58.0	59.2	(*)	(1)	(1)	(*)	2.1	2.5	(*)	21.7	22.1	(*)

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	
17.1	17.9	18.2	72.5	76.8	77.6	15.1	16.5	16.6	48.3	50.1	51.1	65.0	65.8	66.8	1
3.9	4.2	4.3	17.8	18.3	18.5	5.1	5.5	5.5	11.2	12.0	12.0	15.9	16.5	16.6	2
273.6	275.5	277.6	1,033.2	1,041.7	1,050.3	255.9	260.9	262.3	802.3	818.3	823.7	726.8	732.1	730.5	3
3.0	3.0	3.0	10.3	10.9	10.9	6.4	6.7	6.7	7.2	7.2	7.2	11.2	11.5	11.5	4
2.5	2.5	2.6	14.3	15.0	14.4	2.0	2.0	2.0	9.3	9.6	9.6	30.0	29.2	29.1	5
(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	6
187.3	186.0	187.4	707.3	737.8	742.9	194.0	196.7	197.8	577.5	588.8	590.9	420.6	411.6	423.2	7
7.6	7.5	7.5	37.3	37.8	38.2	6.3	6.3	6.3	20.9	20.5	20.5	25.7	25.7	25.7	8
4.0	4.2	4.2	9.6	10.4	10.3	2.2	2.3	2.3	9.0	9.4	9.1	5.3	5.2	5.2	9
7.6	7.7	7.8	32.0	32.1	32.6	6.6	6.8	6.8	23.9	24.7	25.0	16.2	14.4	14.5	10
4.4	4.9	4.9	22.6	22.7	22.9	3.3	3.3	3.3	15.9	16.2	16.4	12.2	12.0	12.2	11
5.0	5.2	5.3	15.5	15.2	15.2	6.5	6.6	6.5	13.1	13.8	14.0	26.0	25.4	25.5	12
101.2	102.1	102.8	436.0	442.2	448.2	90.7	91.0	91.6	285.3	288.5	291.4	327.2	338.6	335.7	13
6.0	6.1	6.1	25.9	26.2	26.4	3.9	3.9	3.9	20.6	20.6	21.0	12.1	12.0	12.0	14
10.0	10.1	10.2	36.8	36.8	37.3	8.9	9.1	9.2	23.4	23.6	23.8	15.3	15.4	15.5	15
14.0	14.1	14.3	43.3	43.3	44.3	7.7	7.9	7.9	30.8	31.0	31.2	29.9	29.3	29.6	16
28.2	28.8	28.8	111.1	113.5	114.6	32.5	32.8	33.1	72.6	73.6	74.3	82.4	84.2	84.2	17
1.9	1.9	1.9	10.5	11.5	11.6	1.5	1.4	1.4	6.6	6.9	6.8	10.6	10.8	10.9	18
4.8	5.0	5.0	23.8	24.1	24.3	5.5	4.7	4.7	21.1	21.3	21.5	11.9	11.8	11.8	19
4.0	3.9	3.9	13.6	13.9	13.9	1.8	1.9	1.9	8.2	8.2	8.3	10.6	11.7	10.7	20
54.6	54.5	54.9	253.9	256.5	259.3	47.5	48.2	48.8	184.5	186.8	188.9	200.3	201.6	201.6	21
3.5	3.6	3.6	15.5	15.3	15.4	3.5	3.6	3.6	12.9	13.1	13.2	9.1	9.3	9.4	22
10.2	10.3	10.4	40.4	40.7	41.2	17.4	17.7	17.8	30.8	32.3	32.7	27.7	27.2	27.3	23
1.6	1.6	1.6	8.0	8.3	8.3	1.1	1.1	1.1	8.6	8.8	9.0	3.5	3.5	3.5	24
3.5	3.5	3.5	11.9	11.8	11.8	2.5	2.5	2.5	10.1	10.2	10.3	6.3	6.5	6.6	25
2.2	2.2	2.2	12.5	12.5	12.5	1.6	1.6	1.7	8.9	9.1	9.3	10.3	10.6	10.6	26
56.4	57.3	58.3	202.7	206.6	208.1	40.0	41.4	41.5	142.1	147.6	148.9	174.0	178.1	177.8	27
7.1	7.0	7.0	17.0	17.0	17.1	5.5	5.6	5.6	14.0	14.2	14.3	20.8	20.3	20.4	28
8.7	8.8	8.9	37.8	37.9	38.1	8.7	9.0	9.0	32.0	31.8	32.1	22.1	23.5	23.5	29
60.7	62.3	62.4	233.4	236.3	239.2	43.3	43.7	43.9	178.4	181.2	182.6	220.2	223.5	224.1	30
5.3	5.9	5.0	28.4	31.2	31.5	5.7	5.9	5.9	22.9	24.6	24.2	28.9	30.9	30.9	31
22.2	22.6	22.6	79.7	81.2	82.5	19.4	20.1	20.2	65.0	66.8	67.7	50.6	51.7	51.3	32
99.6	100.5	100.8	298.6	293.1	293.6	61.1	60.8	61.0	219.6	225.0	225.1	253.9	256.9	257.5	33
8.1	8.4	8.5	33.5	32.9	33.0	9.4	9.5	9.6	25.1	25.0	25.0	47.7	48.8	48.8	34
3.0	3.0	3.0	11.2	11.4	11.4	2.2	2.3	2.3	8.8	8.7	8.6	8.8	8.9	8.7	35
2.3	2.3	2.3	11.2	11.1	11.3	3.0	3.1	3.2	6.8	6.7	6.7	9.6	8.9	8.9	36
44.3	45.0	45.0	110.3	111.2	111.8	26.6	26.7	26.7	90.2	91.8	91.7	69.1	68.7	68.7	37
9.8	9.4	9.3	31.7	32.9	33.2	5.7	5.9	5.9	21.3	22.1	22.0	20.6	20.7	20.6	38
19.1	17.5	18.0	78.4	80.3	82.1	14.5	14.9	14.9	63.0	64.3	65.8	77.2	78.9	79.0	39
1.2	1.1	1.2	7.2	7.5	7.6	1.3	1.4	1.4	5.8	6.2	6.1	2.9	3.0	3.0	40
5.0	4.9	5.2	20.9	22.2	22.5	6.3	6.7	6.8	15.7	15.7	16.1	12.7	13.2	12.8	41
78.6	78.6	79.3	359.7	364.7	367.8	80.0	80.4	81.2	288.5	293.7	297.9	374.5	378.2	379.1	42
54.5	54.8	55.2	193.4	196.0	197.2	48.7	48.9	49.3	158.9	162.1	163.5	192.4	192.9	193.4	43
113.2	111.3	111.4	519.0	527.9	533.1	135.4	135.7	136.0	511.1	527.9	530.9	366.2	372.6	370.6	44
68.5	66.6	66.5	292.3	293.8	295.3	92.8	94.0	94.0	324.1	325.8	328.0	192.4	191.1	190.5	45
3.5	3.7	3.7	13.8	14.1	14.0	1.7	1.8	1.8	7.9	8.4	8.6	9.6	9.5	9.4	46
1.9	1.9	1.9	10.4	11.0	11.1	2.3	2.3	2.3	8.5	8.7	8.9	5.8	5.9	5.9	47
3.5	3.4	3.5	19.6	19.5	19.8	3.4	3.5	3.5	13.8	13.9	14.1	15.7	16.6	16.3	48
3.0	3.0	3.0	13.5	13.5	13.7	1.9	1.9	1.9	9.7	9.9	9.9	10.6	10.5	10.4	49
2.6	2.7	2.7	11.8	11.9	11.9	1.8	1.7	1.8	10.0	10.4	10.6	7.7	8.0	8.0	50
8.8	8.7	8.7	44.5	44.0	44.3	10.6	10.8	10.9	37.5	39.4	39.4	42.7	44.6	44.1	51
6.9	6.6	6.5	31.6	31.9	32.2	8.0	8.1	8.0	27.5	28.7	28.4	24.3	23.8	23.7	52
146.1	144.7	(*)	672.2	685.3	(*)	136.4	137.6	(*)	539.0	563.9	(*)	595.1	612.6	(*)	53
2.1	2.2	(*)	16.4	17.2	(*)	3.3	3.5	(*)	16.9	17.6	(*)	39.4	42.8	(*)	54
2.1	2.1	(*)	10.5	10.6	(*)	3.5	3.5	(*)	10.7	11.1	(*)	17.3	12.4	(*)	55
1.9	1.9	(*)	8.4	8.4	(*)	1.0	1.1	(*)	6.0	5.6	(*)	5.1	5.1	(*)	56
81.6	79.1	(*)	326.1	325.5	(*)	78.6	80.2	(*)	293.7	302.3	(*)	251.6	252.9	(*)	57
6.2	6.2	(*)	35.2	36.5	(*)	5.1	5.3	(*)	23.8	24.6	(*)	28.1	27.9	(*)	58
9.3	9.5	(*)	53.8	54.4	(*)	8.3	8.5	(*)	42.4	43.1	(*)	29.5	29.6	(*)	59
4.3	4.4	(*)	9.7	9.7	(*)	1.5	1.5	(*)	8.4	8.9	(*)	8.6	8.6	(*)	60
3.2	3.3	(*)	18.5	19.8	(*)	3.3	3.4	(*)	17.1	17.4	(*)	19.4	21.0	(*)	61
4.0	4.2	(*)	31.6	32.2	(*)	7.8	8.2	(*)	23.6	24.1	(*)	63.3	63.5	(*)	62
2.8	3.0	(*)	10.6	10.8	(*)	1.6	1.7	(*)	8.8	8.6	(*)	10.5	10.5	(*)	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8 Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
MICHIGAN—Continued												
1 Saginaw	81.0	84.2	(*)	(1)	(1)	(*)	2.3	2.2	(*)	31.8	34.3	(*)
2 MINNESOTA	1,528.7	1,531.1	1,562.4	15.2	14.3	15.5	68.1	53.6	61.7	315.8	320.2	323.2
3 Duluth-Superior	56.7	54.2	54.8	(1)	(1)	(1)	2.2	1.6	1.9	7.7	7.0	6.9
4 Minneapolis-St. Paul	917.1	926.2	941.3	(1)	(1)	(1)	33.9	31.2	35.2	206.6	210.0	212.1
5 MISSISSIPPI	730.7	751.5	757.2	6.9	7.6	7.8	39.6	43.2	44.5	220.1	223.6	226.2
6 Jackson	122.2	124.3	124.4	1.0	1.0	1.0	6.8	7.1	7.4	18.1	18.3	18.4
7 MISSOURI ²	1,753.3	1,779.9	1,785.6	8.3	8.1	8.2	68.1	68.5	70.2	415.4	428.1	425.9
8 Kansas City ²	554.0	548.0	552.7	.6	.7	.7	25.4	17.0	17.5	110.5	113.8	114.0
9 St. Joseph ²	35.7	36.1	36.1	(3)	(3)	(3)	1.7	1.9	1.9	9.6	9.9	10.0
10 St. Louis ²	908.8	915.7	915.0	2.6	2.7	2.8	40.9	35.4	36.8	240.4	248.4	245.3
11 Springfield ²	71.9	73.3	73.3	.2	.1	.1	2.5	3.1	2.8	17.5	16.3	16.5
12 MONTANA ⁴	248.3	248.5	251.3	5.8	5.5	5.7	13.7	11.9	12.9	22.7	23.1	23.8
13 Billings ⁴	38.4	42.3	42.6	(1)	(1)	(1)	2.2	2.1	2.0	3.3	3.8	3.9
14 Great Falls ⁴	26.3	29.6	29.9	(1)	(1)	(1)	1.7	1.7	1.8	1.7	1.9	1.9
15 NEBRASKA ⁴	577.1	581.3	582.9	1.7	2.0	1.9	32.0	26.8	27.5	86.2	89.1	89.5
16 Lincoln ⁴	88.8	92.7	92.8	(3)	(3)	(3)	4.5	3.8	3.8	11.4	13.4	13.4
17 Omaha ⁴	239.8	241.7	244.2	(3)	(3)	(3)	11.9	11.0	11.4	33.0	35.6	35.8
18 NEVADA	279.6	293.3	299.6	3.6	3.6	3.7	15.0	16.0	16.5	12.9	13.6	13.7
19 Las Vegas	153.3	161.2	164.2	.2	.2	.2	8.6	8.8	9.1	5.2	5.4	5.4
20 Reno	79.7	83.6	85.2	.3	.4	.4	4.4	4.9	5.0	5.4	5.5	5.6
21 NEW HAMPSHIRE	310.6	321.1	328.1	.5	.4	.5	14.4	14.6	16.4	94.3	97.9	98.7
22 Manchester	60.2	63.0	64.2	(3)	(3)	(3)	2.7	2.7	3.1	17.5	18.2	18.5
23 Nashua	45.8	47.5	48.3	(3)	(3)	(3)	1.5	2.0	2.2	20.9	21.5	21.9
24 NEW JERSEY	2,737.9	2,765.2	2,805.6	2.8	2.9	3.0	95.7	89.7	97.5	755.0	750.5	759.2
25 Atlantic City	65.7	63.3	66.5	-	-	-	3.1	2.9	3.2	8.6	7.9	8.1
26 Camden ⁵	294.0	294.3	296.6	.1	.1	.1	12.9	11.7	12.1	64.3	65.7	66.0
27 Hackensack ⁷	355.3	362.3	364.9	(1)	(1)	(1)	12.8	12.2	13.9	105.6	105.9	105.5
28 Jersey City ⁷	230.3	225.5	229.1	-	-	-	4.1	4.6	5.2	74.7	69.9	72.9
29 Long Branch-Asbury Park	137.3	139.9	143.4	(1)	(1)	(1)	5.9	6.0	6.6	21.0	22.3	22.5
30 New Burns-Perth Amboy-Sayreville ⁷	244.2	243.4	246.1	(1)	(1)	(1)	8.4	8.3	8.7	81.7	80.0	81.9
31 Newark ⁷	855.4	850.0	866.2	.9	.9	1.0	29.4	26.9	27.3	238.7	238.3	240.1
32 Paterson-Clifton-Passaic ⁷	178.7	180.1	182.5	(1)	(1)	(1)	5.1	5.0	6.5	65.4	64.2	65.1
33 Trenton	148.8	155.3	155.5	(1)	(1)	(1)	2.7	2.9	2.9	36.8	37.9	37.5
34 Vineland-Milville-Bridgeton	51.5	51.8	51.9	(1)	(1)	(1)	1.4	1.1	1.1	18.6	19.2	18.9
35 NEW MEXICO	390.7	403.7	409.7	20.8	22.3	23.3	25.7	26.9	28.3	30.0	31.0	31.5
36 Albuquerque	155.8	161.0	163.0	(1)	(1)	(1)	10.0	10.7	11.3	16.2	15.8	16.0
37 NEW YORK	6,781.8	6,720.7	(*)	7.4	7.0	(*)	191.6	171.1	(*)	1,441.3	1,440.0	(*)
38 Albany-Schenectady-Troy	314.5	309.7	(*)	(1)	(1)	(*)	11.0	9.0	(*)	62.1	60.9	(*)
39 Binghamton	107.8	108.3	(*)	(1)	(1)	(*)	4.1	3.9	(*)	38.9	39.6	(*)
40 Buffalo	488.5	490.8	(*)	(1)	(1)	(*)	17.3	17.2	(*)	142.1	143.9	(*)
41 Elmira	37.9	35.6	(*)	(1)	(1)	(*)	1.7	1.2	(*)	12.4	11.4	(*)
42 Monroe County ⁸	316.0	316.5	(*)	(1)	(1)	(*)	8.7	9.1	(*)	126.1	126.7	(*)
43 Nassau-Suffolk ⁹	802.8	804.6	(*)	(1)	(1)	(*)	32.8	27.7	(*)	144.6	145.8	(*)
44 New York-Northeastern New Jersey	6,259.3	6,220.8	(*)	3.4	3.3	(*)	175.0	160.4	(*)	1,335.2	1,327.7	(*)
45 New York and Nassau-Suffolk ⁷	4,395.3	4,351.3	(*)	2.1	1.9	(*)	115.2	104.2	(*)	769.0	769.4	(*)
46 New York SMSA ⁹	3,592.5	3,546.8	(*)	2.0	1.8	(*)	82.4	76.5	(*)	624.5	623.6	(*)
47 New York City ¹⁰	3,203.3	3,157.9	(*)	1.7	1.6	(*)	67.0	63.1	(*)	546.0	543.4	(*)
48 Poughkeepsie	86.5	86.4	(*)	(1)	(1)	(*)	2.6	2.8	(*)	28.0	28.2	(*)
49 Rochester	387.4	387.5	(*)	(1)	(1)	(*)	10.7	10.7	(*)	143.7	145.1	(*)
50 Rockland County ¹⁰	72.6	71.4	(*)	(1)	(1)	(*)	2.0	1.4	(*)	14.1	14.5	(*)
51 Syracuse	233.6	240.2	(*)	(1)	(1)	(*)	9.5	8.3	(*)	55.1	56.0	(*)
52 Utica-Rome	111.4	109.4	(*)	(1)	(1)	(*)	3.1	2.7	(*)	30.4	29.6	(*)
53 Westchester County ¹⁰	305.7	306.7	(*)	(1)	(1)	(*)	12.7	11.4	(*)	63.3	64.4	(*)
54 NORTH CAROLINA ⁴	2,042.2	2,099.7	2,104.2	4.5	4.9	5.0	105.0	101.5	104.5	753.3	780.8	781.9
55 Asheville ⁴	61.1	62.3	62.7	(1)	(1)	(1)	3.2	3.3	3.5	20.1	19.8	20.1
56 Charlotte-Gastonia ⁴	278.2	283.4	285.5	(1)	(1)	(1)	14.6	13.8	14.6	79.5	81.5	81.9
57 Greensboro-Winston-Salem-High Pt. ⁴	340.2	347.4	346.9	(1)	(1)	(1)	15.2	15.0	15.5	136.3	137.4	137.6
58 Raleigh-Durham ⁴	216.2	222.0	219.7	(1)	(1)	(1)	10.8	10.8	11.1	35.4	35.8	35.4

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	
3.9	3.9	(*)	16.2	16.7	(*)	3.5	3.8	(*)	11.9	11.7	(*)	11.3	11.6	(*)	1
90.0	91.7	93.3	386.4	390.5	399.2	77.2	78.7	79.1	293.2	300.9	303.4	282.9	281.1	287.0	2
6.5	6.0	6.1	14.9	14.5	14.8	2.0	2.0	2.0	11.7	11.4	11.4	11.7	11.7	11.8	3
57.1	58.6	59.0	230.4	234.4	238.4	56.9	57.9	58.4	185.5	188.5	190.2	146.6	145.6	148.1	4
34.5	35.1	35.3	141.2	147.1	148.4	28.6	29.5	29.6	103.3	106.0	107.0	156.6	159.2	158.4	5
7.4	7.6	7.6	28.2	28.3	28.3	9.5	9.7	9.7	23.7	24.2	24.2	27.6	28.1	27.8	6
123.7	123.0	124.7	407.4	404.9	407.9	93.6	94.0	94.4	315.8	322.4	325.8	321.0	330.9	328.5	7
50.5	49.8	50.2	141.0	142.7	144.0	36.5	37.2	37.3	105.5	105.0	105.9	84.0	81.8	83.1	8
2.4	2.3	2.3	8.7	9.0	9.0	1.6	1.6	1.6	6.0	5.8	5.8	5.7	5.6	5.6	9
63.5	64.3	64.7	203.2	205.6	206.7	48.6	49.0	49.1	176.6	175.3	175.2	133.0	134.0	134.4	10
5.1	5.2	5.3	19.3	20.0	20.3	2.7	2.9	2.9	13.8	14.4	14.1	10.8	11.3	11.3	11
19.0	19.9	20.0	62.8	61.0	62.1	10.5	11.0	11.0	46.9	47.6	47.4	66.9	68.5	68.4	12
2.9	3.3	3.4	13.4	13.9	14.1	1.8	2.2	2.2	7.4	8.5	8.6	7.4	8.5	8.4	13
1.8	2.0	2.0	8.0	8.8	8.8	1.6	2.1	2.1	5.4	7.0	7.0	6.1	6.1	6.3	14
41.3	41.2	41.4	152.2	154.7	153.6	35.4	37.0	37.1	105.9	108.6	109.5	122.5	121.8	122.3	15
5.0	5.9	6.1	19.2	20.5	20.6	6.1	6.3	6.3	15.5	15.7	15.7	26.2	27.1	26.9	16
21.7	21.3	21.4	61.3	60.2	60.2	19.3	20.5	20.5	51.9	50.2	51.5	40.7	43.0	43.5	17
17.5	18.4	18.6	56.3	59.4	61.0	11.1	11.9	12.0	115.5	121.4	124.8	47.7	49.0	49.3	18
9.7	10.2	10.4	30.9	32.4	33.1	5.9	6.4	6.4	72.4	75.9	77.7	20.4	21.9	21.9	19
5.6	6.1	6.1	17.7	19.1	19.5	4.2	4.5	4.6	27.6	29.2	30.0	14.5	13.9	14.0	20
12.1	12.2	12.3	67.0	70.4	72.4	14.9	15.7	15.9	57.2	58.6	60.3	50.2	51.3	51.6	21
3.7	3.9	3.9	14.2	14.9	15.2	4.2	4.5	4.5	11.0	11.7	11.8	6.9	7.1	7.2	22
1.8	1.8	1.8	9.2	9.5	9.5	1.5	1.5	1.6	6.3	6.7	6.8	4.6	4.5	4.5	23
175.5	175.5	177.4	611.5	626.2	637.3	137.6	142.2	142.9	491.5	499.1	507.4	468.3	479.1	480.9	24
3.4	3.3	3.3	17.6	16.7	17.5	4.4	4.6	4.6	15.2	14.3	16.3	13.4	13.6	13.5	25
15.1	14.2	14.5	78.0	79.3	80.4	13.9	14.2	14.2	54.8	53.0	52.9	54.9	56.1	56.4	26
18.2	17.0	17.0	104.5	104.4	104.8	13.9	14.1	14.3	61.9	67.8	68.4	38.4	40.9	41.0	27
29.1	29.6	29.4	42.2	41.2	41.5	8.6	8.9	8.8	29.1	28.6	28.4	42.5	42.7	42.9	28
5.5	5.4	5.5	34.4	34.6	35.4	5.4	6.1	6.2	32.9	33.4	35.1	32.1	32.1	32.1	29
15.7	16.2	15.2	54.3	52.9	53.5	8.6	8.4	8.4	32.3	33.0	33.2	43.2	44.6	44.2	30
64.0	62.2	63.0	166.8	163.3	164.1	58.5	58.9	59.3	160.7	167.5	169.1	136.4	142.0	142.3	31
6.7	6.9	6.7	40.4	40.0	40.1	8.6	9.0	9.0	28.1	28.1	28.3	24.4	26.9	26.8	32
5.2	5.1	5.2	23.3	23.3	23.4	5.9	6.0	6.2	36.0	38.5	38.8	38.9	41.6	41.5	33
3.0	2.9	2.9	8.1	8.0	8.1	2.4	2.4	2.5	7.4	7.6	7.6	10.6	10.6	10.8	34
23.6	24.2	24.4	90.7	92.5	94.7	16.9	17.2	17.4	73.4	77.2	78.4	109.6	111.9	111.7	35
8.6	9.2	9.2	40.4	41.4	42.2	8.5	8.6	8.7	35.3	37.6	37.8	36.8	37.7	37.8	36
426.9	422.3	(*)	1,400.6	1,381.0	(*)	569.5	575.0	(*)	1,467.4	1,477.4	(*)	1,277.0	1,237.0	(*)	37
14.6	14.6	(*)	51.5	60.4	(*)	13.8	13.8	(*)	61.0	61.3	(*)	90.5	89.6	(*)	38
4.1	4.2	(*)	19.4	19.0	(*)	3.5	3.5	(*)	14.9	15.5	(*)	22.8	22.6	(*)	39
26.9	24.7	(*)	107.1	110.2	(*)	20.4	21.1	(*)	88.8	89.3	(*)	86.0	84.3	(*)	40
1.3	1.3	(*)	8.2	8.2	(*)	1.0	1.0	(*)	6.4	6.4	(*)	6.3	6.2	(*)	41
10.1	9.5	(*)	58.8	59.3	(*)	13.7	14.3	(*)	59.9	59.3	(*)	39.7	37.9	(*)	42
34.9	35.2	(*)	209.6	213.5	(*)	43.9	44.1	(*)	170.3	172.3	(*)	166.6	166.0	(*)	43
453.4	446.6	(*)	1,332.8	1,325.6	(*)	572.1	577.0	(*)	1,344.1	1,356.2	(*)	1,043.3	1,024.0	(*)	44
319.8	314.7	(*)	924.6	923.8	(*)	473.9	477.6	(*)	1,032.5	1,032.7	(*)	758.3	727.2	(*)	45
284.9	279.5	(*)	715.0	710.2	(*)	429.9	433.5	(*)	862.2	860.5	(*)	591.6	561.2	(*)	46
263.3	258.8	(*)	625.4	619.6	(*)	411.4	414.7	(*)	769.8	768.9	(*)	518.7	487.9	(*)	47
2.9	2.9	(*)	14.7	14.4	(*)	2.5	2.5	(*)	15.3	15.4	(*)	20.6	20.3	(*)	48
12.7	12.0	(*)	74.9	75.6	(*)	15.2	15.6	(*)	70.3	70.2	(*)	59.8	58.3	(*)	49
3.4	3.4	(*)	15.8	15.1	(*)	2.3	2.1	(*)	15.5	15.7	(*)	19.5	19.2	(*)	50
13.5	13.6	(*)	53.8	53.3	(*)	14.3	14.4	(*)	45.5	47.7	(*)	46.9	46.9	(*)	51
3.9	3.8	(*)	20.8	20.5	(*)	5.0	5.3	(*)	18.9	19.0	(*)	29.2	28.5	(*)	52
17.5	16.7	(*)	71.0	72.7	(*)	15.9	16.3	(*)	74.8	73.9	(*)	50.5	51.2	(*)	53
96.0	96.9	97.4	393.1	404.4	405.2	82.0	82.9	82.8	278.7	289.9	289.6	329.6	338.4	337.8	54
3.2	3.4	3.4	12.5	17.8	12.8	2.3	2.7	2.7	10.2	10.4	10.3	9.6	9.9	9.9	55
25.5	26.1	26.2	67.0	57.2	67.4	17.1	18.2	18.3	40.7	42.1	42.5	33.8	34.5	34.6	56
19.6	19.8	19.7	67.3	69.0	69.1	14.7	15.8	15.5	45.4	47.2	47.3	41.7	43.2	42.2	57
9.8	9.8	9.8	42.5	42.8	42.9	13.2	13.7	13.8	43.9	47.0	45.7	60.5	62.1	61.0	58

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
1 NORTH DAKOTA	215.5	219.6	224.4	7.4	2.6	2.7	16.3	15.5	18.1	15.8	15.0	14.8
2 Fargo-Moorhead	56.0	56.8	57.8	(3)	(3)	(3)	3.9	3.3	3.8	5.0	5.0	5.0
3 OHIO	4,115.2	4,187.7	4,226.7	28.3	28.6	28.3	157.2	150.2	157.4	1,290.2	1,324.9	1,333.0
4 Akron	242.0	254.4	256.5	.3	.3	.3	7.0	6.3	6.7	73.9	83.9	84.0
6 Canton	146.5	148.3	149.8	.8	.8	.8	5.5	5.4	5.6	54.7	54.5	55.3
8 Cincinnati	544.0	548.7	554.2	.4	.4	.4	22.8	22.0	22.8	155.9	156.4	158.2
7 Cleveland	867.4	872.6	878.4	1.4	1.4	1.4	30.0	27.9	29.0	266.6	269.5	271.0
8 Columbus	455.0	467.1	468.4	.7	.7	.7	17.8	17.0	17.3	93.2	97.3	97.0
9 Dayton	333.4	339.4	341.1	.4	.4	.4	11.6	10.9	11.4	103.3	107.4	108.4
10 Toledo	285.6	293.1	295.2	.6	.5	.5	11.8	11.2	12.0	84.5	87.0	86.7
11 Youngstown-Warren	205.8	206.5	208.4	.3	.3	.3	6.6	6.0	6.2	82.0	81.3	81.9
12 OKLAHOMA	930.8	965.4	975.0	44.9	48.5	49.0	44.7	45.0	45.3	154.0	161.0	162.4
13 Oklahoma City	316.4	332.3	335.2	9.9	10.6	10.7	15.4	17.5	18.4	40.6	44.1	44.8
14 Tulsa	243.8	248.0	250.6	16.1	16.3	16.5	14.7	15.1	15.4	52.3	53.2	53.2
15 OREGON	869.6	888.9	899.3	1.5	1.4	1.4	35.3	35.6	36.0	187.4	191.1	193.7
18 Eugene-Springfield	89.1	92.3	94.5	(1)	(1)	(1)	3.5	4.3	4.6	19.3	19.7	20.2
17 Jackson County	-	-	-	-	-	-	-	-	-	7.0	7.3	7.4
18 Portland	458.2	468.6	473.4	(1)	(1)	(1)	19.4	17.9	18.0	91.6	93.8	96.1
19 Salem	71.6	73.2	73.5	(1)	(1)	(1)	3.7	3.6	3.3	10.7	10.8	10.9
20 PENNSYLVANIA	4,510.5	4,502.6	4,529.5	48.6	49.0	49.3	184.4	176.6	184.3	1,332.9	1,331.1	1,335.3
21 Allentown-Bethlehem-Easton	256.5	256.4	258.2	(1)	(1)	(1)	9.7	8.2	8.7	107.5	108.0	108.8
22 Altoona	50.7	51.8	52.6	(1)	(1)	(1)	2.0	1.7	2.1	13.2	13.2	13.4
23 Delaware Valley ¹¹	1,505.6	1,495.7	1,506.5	(1)	(1)	(1)	53.3	48.0	49.7	379.3	377.3	379.7
24 Erie	108.6	110.2	111.2	(1)	(1)	(1)	3.5	3.0	3.3	41.7	43.0	43.2
25 Harrisburg	203.2	205.0	205.5	(1)	(1)	(1)	9.3	9.2	9.6	38.9	38.8	38.3
26 Johnstown	89.2	89.3	90.1	9.2	9.3	9.5	2.9	3.0	3.1	22.6	22.3	22.2
27 Lancaster	135.1	136.2	135.7	(1)	(1)	(1)	6.5	6.9	6.9	53.9	54.7	54.9
28 Northeast Pennsylvania	231.3	228.6	229.9	1.4	1.2	1.2	12.1	12.0	12.4	72.5	71.0	70.5
29 Philadelphia SMSA	1,799.4	1,790.4	1,802.9	(1)	(1)	(1)	66.2	59.8	61.8	443.6	443.4	445.7
30 Philadelphia City ¹²	806.5	795.1	801.8	(1)	(1)	(1)	18.3	16.0	16.7	160.3	157.9	158.8
31 Pittsburgh	904.7	896.8	902.1	11.8	11.6	11.6	43.3	42.3	44.5	250.7	244.2	246.0
32 Reading	129.2	131.2	131.2	(1)	(1)	(1)	4.5	4.4	4.2	48.5	50.7	50.3
33 Scranton ¹³	81.1	81.9	82.6	(1)	(1)	(1)	2.7	2.5	2.6	25.8	26.7	26.4
34 Wilkes-Barre-Hazleton ¹⁴	124.7	121.5	121.6	1.2	1.1	1.1	8.1	8.3	8.5	42.1	40.0	39.5
36 Williamsport	44.0	44.4	43.4	(1)	(1)	(1)	1.2	1.2	1.2	17.4	17.2	16.2
36 York	138.6	140.1	140.4	(1)	(1)	(1)	6.6	6.2	6.3	57.3	57.9	57.8
37 RHODE ISLAND	366.8	370.0	373.0	(1)	(1)	(1)	12.1	11.8	12.6	122.3	123.8	124.0
38 Providence-Warwick-Pawtucket	379.6	382.0	385.0	(1)	(1)	(1)	12.5	12.1	12.9	137.3	138.3	138.6
39 SOUTH CAROLINA	1,043.0	1,076.5	1,083.8	1.8	1.8	1.8	61.4	61.0	61.0	371.7	374.5	378.2
40 Charleston-North Charleston	122.0	124.9	125.8	(1)	(1)	(1)	9.6	10.2	10.4	17.0	17.7	18.0
41 Columbia	149.3	156.0	155.8	(1)	(1)	(1)	6.8	6.9	6.9	23.2	23.1	23.0
42 Greenville-Spartanburg	232.9	234.0	234.2	(1)	(1)	(1)	13.2	12.5	12.6	101.7	101.0	100.9
43 SOUTH DAKOTA	216.8	212.5	213.8	2.6	2.6	2.6	9.3	8.6	9.3	21.7	20.5	20.5
44 Rapid City ²	25.5	24.7	25.0	(3)	(3)	(3)	2.0	2.0	1.9	2.3	2.3	2.3
45 Sioux Falls ²	45.9	46.7	47.2	(3)	(3)	(3)	2.6	2.7	3.2	6.8	7.0	6.9
46 TENNESSEE ⁴	1,575.2	1,619.3	1,632.1	9.5	8.8	9.0	72.6	78.2	80.5	486.1	501.0	505.5
47 Chattanooga ⁴	160.1	163.9	164.6	1.1	1.1	1.0	5.7	6.5	6.6	56.9	56.6	57.0
48 Knoxville ⁴	176.4	182.8	184.4	1.7	1.7	1.8	8.9	11.0	12.1	48.6	50.6	50.4
49 Memphis ⁴	324.8	331.1	331.4	.2	.1	.2	14.5	15.4	15.9	56.7	59.1	59.4
50 Nashville-Davidson ⁴	313.8	325.3	325.1	(1)	(1)	(1)	16.9	17.8	17.9	76.0	80.1	80.1
51 TEXAS	4,683.0	4,805.5	4,829.7	136.4	147.9	149.5	321.1	326.1	327.3	856.7	871.9	878.1
52 Amarillo	65.7	67.3	67.7	(1)	(1)	(1)	4.1	4.5	4.7	8.9	8.8	8.7
53 Austin	174.9	180.7	181.0	(1)	(1)	(1)	8.4	8.8	8.6	16.8	18.5	18.6
54 Beaumont-Port Arthur-Orange	137.2	133.8	135.3	(1)	(1)	(1)	15.5	14.1	14.2	41.9	38.5	39.8
55 Corpus Christi	102.7	102.9	103.2	3.9	3.8	3.7	11.3	10.9	10.8	12.4	11.9	11.9
56 Dallas-Fort Worth	1,114.8	1,151.8	1,157.1	12.5	13.0	13.0	48.9	49.3	49.6	244.6	251.5	252.2
57 El Paso	139.2	136.1	137.2	(1)	(1)	(1)	6.3	6.6	6.5	32.3	29.7	30.3
58 Galveston-Texas City	66.1	69.1	69.9	(1)	(1)	(1)	6.8	8.1	8.2	12.0	11.7	11.9
59 Houston	1,090.6	1,138.0	1,146.4	45.1	47.1	47.4	115.7	120.0	123.1	186.6	187.4	187.5
60 Lubbock	76.3	80.2	80.5	(1)	(1)	(1)	4.7	4.3	4.5	10.4	11.4	11.7
61 San Antonio	328.6	331.4	332.9	1.8	1.8	1.7	18.7	18.2	18.5	40.4	40.8	41.2
62 Waco	60.3	61.8	62.2	(1)	(1)	(1)	2.8	3.0	3.1	14.0	14.4	14.5
63 Wichita Falls	45.2	46.6	46.8	2.1	2.2	2.2	2.6	2.8	2.8	7.5	7.7	7.8

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APP. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	
13.1	13.4	13.7	60.6	62.9	64.0	9.0	9.6	9.7	41.0	42.4	42.6	57.3	58.2	58.8	1
3.5	3.5	3.6	16.9	17.6	17.9	3.2	3.4	3.4	11.6	12.2	12.2	11.9	11.8	11.9	2
210.4	213.5	215.1	892.6	909.7	919.5	175.9	179.0	179.6	714.3	738.8	747.2	646.4	643.0	646.6	3
14.0	14.0	14.1	54.7	55.9	56.7	8.3	8.7	8.7	42.7	44.0	44.3	41.1	41.3	41.8	4
6.7	7.2	7.1	31.3	31.9	32.3	5.3	5.3	5.3	25.2	26.1	26.1	17.0	17.2	17.3	5
30.4	29.9	29.9	124.1	127.5	128.4	28.8	28.5	28.7	101.6	105.5	107.0	80.1	78.4	78.9	6
45.5	45.3	45.5	196.2	199.6	201.3	43.7	44.8	44.7	163.6	167.1	167.8	120.3	116.9	117.7	7
21.8	22.6	22.8	109.0	110.7	111.8	30.6	31.6	31.8	86.0	88.6	88.5	95.9	98.7	98.7	8
11.9	12.4	12.4	69.6	70.7	71.5	11.0	11.3	11.3	61.2	63.5	62.7	64.4	62.9	63.0	9
18.5	19.0	19.3	64.8	66.5	67.4	9.1	9.4	9.5	52.3	54.6	55.3	44.0	44.8	44.6	10
9.5	9.6	9.6	43.4	44.6	45.1	6.4	6.6	6.6	33.0	33.9	34.1	24.6	24.2	24.7	11
56.9	58.3	58.4	221.0	230.8	234.9	46.2	48.2	48.6	152.8	160.0	161.4	210.3	213.6	215.0	12
19.5	20.1	20.1	78.8	82.3	82.4	20.5	21.4	21.6	53.1	55.9	56.6	78.6	80.4	80.6	13
18.6	18.9	19.1	58.9	58.2	59.0	12.9	13.3	13.3	45.6	46.8	47.6	24.7	26.2	26.5	14
50.9	53.0	53.3	208.3	212.3	214.9	51.1	54.2	55.3	149.9	154.6	156.6	185.2	186.7	188.1	15
4.7	4.6	4.8	21.8	22.8	23.3	4.1	4.4	4.5	14.9	15.8	16.3	20.8	20.7	20.8	16
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
30.5	32.7	32.9	116.7	118.5	119.6	33.1	35.3	35.7	90.0	94.6	94.9	76.9	75.8	76.2	18
2.4	2.5	2.5	14.9	15.5	15.7	4.0	4.2	4.2	11.2	11.7	11.7	24.7	24.9	25.2	19
255.8	254.6	254.7	913.3	913.9	917.9	210.3	213.7	215.6	834.1	852.9	857.0	731.1	710.8	715.4	20
13.0	12.8	12.8	44.2	45.6	46.1	7.6	7.8	7.8	37.9	38.3	38.3	36.6	35.7	35.7	21
7.7	8.0	8.1	10.8	11.9	12.0	1.4	1.4	1.4	7.8	8.1	8.1	7.8	7.5	7.5	22
81.1	82.3	82.1	311.2	308.3	310.5	96.9	97.1	97.4	338.1	346.1	345.3	245.7	236.6	241.8	23
5.2	5.3	5.3	21.1	20.6	20.9	4.2	4.5	4.5	18.0	18.5	18.7	14.9	15.3	15.3	24
14.5	14.7	14.8	40.9	41.2	41.2	10.9	11.3	11.4	34.0	34.5	35.4	54.7	55.3	55.1	25
5.7	5.7	5.8	16.1	16.8	17.0	3.3	3.7	3.7	14.9	14.5	14.7	14.5	14.0	14.1	26
5.9	6.1	6.2	29.0	28.9	28.9	4.2	4.2	4.2	21.3	21.5	21.5	14.3	13.9	13.1	27
11.8	11.5	11.5	47.8	47.4	47.7	8.7	8.9	9.1	39.5	39.5	40.4	37.5	37.2	37.1	28
96.2	96.5	96.6	389.3	387.6	390.8	110.7	111.2	111.6	392.8	399.2	398.2	300.6	292.7	298.2	29
55.8	55.8	55.6	152.2	150.0	150.8	65.3	64.1	64.4	198.8	203.7	202.9	155.8	147.6	152.6	30
57.2	57.0	57.2	193.7	198.3	199.2	40.8	41.4	41.7	177.8	180.4	181.1	129.4	121.6	120.8	31
6.5	6.4	6.5	24.2	24.3	24.2	5.1	5.3	5.4	21.0	21.2	21.6	19.4	18.9	19.0	32
4.4	4.3	4.3	18.3	17.7	17.9	3.0	3.0	3.1	16.0	16.5	16.8	10.9	11.3	11.4	33
6.0	5.9	5.9	25.0	25.2	25.4	4.9	5.1	5.1	17.3	16.7	17.0	20.1	19.2	19.1	34
2.0	2.0	2.0	8.5	8.6	8.7	1.8	1.8	1.8	7.5	7.8	7.7	5.6	5.8	5.8	35
6.4	6.2	5.2	28.3	29.3	29.3	3.2	3.4	3.4	19.2	20.3	20.5	17.6	16.8	16.9	36
13.6	13.8	13.7	74.4	74.5	75.6	18.0	18.2	18.3	69.0	71.0	71.3	57.4	56.9	57.5	37
13.6	13.4	13.3	76.2	76.8	77.8	18.1	18.1	18.2	67.9	69.6	70.0	54.0	53.7	54.2	38
42.5	45.1	45.7	187.8	200.8	202.2	39.5	40.4	40.7	134.3	141.5	142.6	204.0	211.4	211.6	39
7.3	7.2	7.2	26.1	26.4	26.7	4.9	4.9	4.9	18.5	19.1	19.2	38.6	39.4	39.4	40
8.2	8.4	8.4	30.1	32.7	32.5	11.0	12.0	12.2	22.3	22.8	22.7	47.7	50.1	50.1	41
9.2	9.4	9.4	41.6	41.8	41.7	8.0	8.1	8.2	31.7	32.6	32.5	27.5	28.6	28.9	42
12.3	12.1	12.2	55.7	55.0	55.7	9.1	9.3	9.6	47.9	47.3	46.9	58.2	57.2	57.0	43
1.6	1.4	1.4	7.2	7.1	7.5	1.2	1.2	1.2	5.4	5.1	5.1	5.8	5.6	5.6	44
4.2	4.3	4.3	13.2	13.7	13.7	2.2	2.4	2.4	10.2	11.1	11.1	6.7	5.5	5.6	45
73.2	73.5	74.5	337.7	347.8	351.7	69.2	72.7	73.3	241.8	246.1	247.7	285.1	291.2	289.9	46
6.3	6.4	6.4	29.3	30.7	30.8	8.4	8.1	8.1	24.4	24.9	25.1	28.0	29.6	29.6	47
7.3	7.4	7.4	37.7	38.6	38.8	6.7	7.0	7.0	26.1	27.5	27.6	39.4	39.0	39.3	48
21.4	21.8	22.1	87.2	87.1	87.2	18.1	18.4	18.4	62.9	64.2	65.0	63.8	65.0	63.2	49
16.1	16.7	16.8	70.1	71.5	71.4	19.7	19.9	19.7	59.5	63.5	63.4	55.5	55.8	55.8	50
292.6	297.3	298.7	1,167.5	1,174.3	1,182.3	254.6	265.1	265.9	806.5	848.4	853.6	847.6	874.5	874.3	51
6.3	6.5	6.5	19.9	20.4	20.5	3.1	3.2	3.2	12.2	12.5	12.6	11.2	11.4	11.5	52
5.5	5.4	5.6	36.1	36.1	36.3	9.7	9.7	9.7	28.5	30.2	30.4	69.9	72.0	71.8	53
9.2	9.8	9.8	27.7	27.9	27.9	4.8	5.0	5.0	20.0	20.3	20.4	18.1	18.2	18.2	54
5.7	5.7	5.8	25.6	26.3	26.5	4.8	5.0	5.0	16.3	17.0	17.2	22.7	22.3	22.3	55
74.4	76.7	77.2	302.0	314.9	317.2	81.6	85.4	86.0	197.2	206.3	206.9	153.6	154.7	155.0	56
9.6	9.4	9.4	33.7	33.9	34.1	6.4	6.3	6.3	22.0	21.7	22.0	28.9	28.5	28.6	57
5.5	5.6	5.5	11.7	12.1	12.4	4.2	4.5	4.5	9.9	10.5	10.7	16.0	16.6	16.7	58
78.7	81.0	81.7	266.0	283.4	286.0	61.3	64.0	64.1	211.3	222.9	224.1	125.9	132.2	132.5	59
4.4	4.6	4.5	23.2	24.7	24.5	3.7	3.8	3.8	13.6	14.3	14.4	16.3	17.1	17.1	60
14.1	14.4	14.6	81.7	81.6	81.8	21.1	22.4	22.7	61.7	62.2	62.3	89.1	90.0	90.1	61
3.0	3.0	3.0	13.7	14.2	14.3	3.5	3.5	3.6	12.6	13.0	13.0	10.7	10.7	10.7	62
2.2	2.3	2.3	11.3	11.6	11.7	2.0	2.1	2.1	6.7	6.8	6.8	10.8	11.1	11.1	63

ESTABLISHMENT DATA STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
1 UTAH	459.3	475.1	480.2	13.2	14.6	14.4	27.9	25.2	26.0	69.2	73.3	74.5
2 Salt Lake City—Ogden	331.4	343.1	347.2	6.1	6.9	7.0	19.3	17.3	17.9	46.5	49.1	49.7
3 VERMONT	166.0	170.3	173.9	.7	.7	.7	7.8	7.3	9.1	40.9	42.1	42.6
4 Burlington ¹⁵	43.8	44.6	46.2	-	-	-	-	-	-	9.7	10.4	10.5
5 Springfield ¹⁵	12.2	12.4	12.7	-	-	-	-	-	-	5.0	5.2	5.2
6 VIRGINIA	1,843.9	1,880.3	1,894.4	21.7	22.2	22.3	114.6	114.5	118.9	383.7	391.6	391.9
7 Bristol	24.9	25.1	25.1	(1)	(1)	(1)	1.0	1.0	1.0	8.7	8.6	8.6
8 Lynchburg	60.8	62.0	62.5	(1)	(1)	(1)	2.8	2.9	3.0	26.6	27.2	27.5
9 Newport News—Hampton	133.9	137.0	137.4	(1)	(1)	(1)	7.0	7.0	7.1	32.2	33.3	33.3
10 Norfolk—Virginia Beach—Portsmouth	251.7	252.6	255.1	(1)	(1)	(1)	15.4	15.8	16.4	25.9	27.0	27.2
11 Northern Virginia ¹⁶	363.4	365.1	368.7	.3	.3	.3	24.7	23.1	24.1	13.4	13.6	14.0
12 Richmond	287.8	288.2	290.5	.4	.3	.3	16.1	16.7	17.4	51.5	50.7	50.8
13 Roanoke	97.6	97.5	97.4	.2	.2	.2	5.6	5.3	5.6	21.6	21.3	20.8
14 WASHINGTON ²	1,235.4	1,265.4	1,281.6	2.0	2.0	2.0	56.6	57.9	60.6	242.1	248.4	253.9
15 Seattle—Everett ²	576.7	605.8	(*)	(1)	(1)	(*)	24.2	27.1	(*)	117.2	122.0	(*)
16 Spokane ²	104.9	107.4	108.1	(1)	(1)	(1)	5.6	5.1	5.3	14.0	14.8	15.0
17 Tacoma ²	118.8	123.0	124.4	(1)	(1)	(1)	5.1	6.1	6.2	20.0	18.9	19.1
18 WEST VIRGINIA	606.5	607.6	613.4	69.7	71.5	71.5	32.9	35.9	38.7	122.8	126.2	126.4
19 Charleston	105.8	102.2	102.7	6.3	6.1	6.2	6.7	5.9	6.0	19.0	19.0	19.1
20 Huntington—Ashland	98.1	96.5	96.6	.8	.8	.8	5.9	5.5	5.5	28.5	28.3	28.2
21 Parkersburg—Marietta	52.0	51.6	51.2	.4	.4	.4	2.5	2.1	2.2	16.1	16.8	16.1
22 Wheeling	65.2	64.3	64.2	8.4	8.4	8.2	2.9	2.3	2.3	13.7	14.2	14.3
23 WISCONSIN	1,720.1	1,746.7	1,781.3	2.6	2.3	2.5	65.9	67.2	74.2	507.2	510.5	515.8
24 Appleton—Oshkosh	108.0	107.5	108.7	(1)	(1)	(1)	5.0	4.6	4.8	40.4	40.4	40.8
25 Green Bay	66.9	68.5	69.6	(1)	(1)	(1)	3.2	3.4	3.7	19.6	19.7	20.0
26 Kenosha	41.9	40.8	41.5	(1)	(1)	(1)	1.0	1.0	1.0	18.2	16.9	17.2
27 La Crosse	35.5	37.3	37.8	(1)	(1)	(1)	1.2	1.3	1.6	9.0	8.8	9.0
28 Madison	144.4	148.4	149.7	(1)	(1)	(1)	5.9	6.1	6.5	17.1	17.3	17.4
29 Milwaukee	606.8	599.8	615.9	(1)	(1)	(1)	20.0	19.5	21.7	197.3	193.8	197.1
30 Racine	63.1	64.9	65.6	(1)	(1)	(1)	1.5	1.6	1.8	26.7	27.1	27.2
31 WYOMING	155.1	159.1	164.9	19.8	22.3	23.2	15.1	14.9	16.1	8.1	8.0	8.1
32 Casper	27.6	28.7	29.5	4.9	5.1	5.2	2.4	2.3	2.6	1.6	1.7	1.7
33 Cheyenne	24.1	23.8	24.3	(1)	(1)	(1)	1.5	1.5	1.7	1.5	1.4	1.4

1 Combined with services.
 2 Based on 1967 Standard Industrial Classification.
 3 Combined with construction.
 4 Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.
 5 Area included in Chicago-Gary Standard Consolidated Statistical Area.
 6 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
 7 Subarea of New York—Northeastern New Jersey.
 8 Subarea of Rochester Standard Metropolitan Statistical Area.
 9 Area included in New York and Nassau—Suffolk combined SMSA's.
 10 Subarea of New York Standard Metropolitan Statistical Area.
 11 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
 12 Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

13 Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.
 14 Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
 15 Total includes data for industry divisions not shown separately. Services excludes agriculture, forestry, and fisheries.
 16 Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
 p= preliminary.
 * Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	
27.9	28.6	29.0	110.4	113.3	115.3	20.3	21.6	22.0	75.5	79.8	79.9	114.8	118.7	119.1	1
22.2	22.6	22.9	82.5	85.5	87.0	17.0	17.6	18.0	53.3	55.2	55.7	84.5	88.9	89.0	2
8.2	8.4	8.6	34.4	35.1	35.6	6.8	6.9	7.0	36.4	38.6	38.5	31.1	31.3	31.9	3
2.1	2.0	2.0	9.6	10.0	10.2	-	-	-	9.3	9.7	10.0	-	-	-	4
.8	.7	.7	1.9	1.9	1.9	-	-	-	2.2	2.3	2.4	-	-	-	5
106.2	108.2	109.7	383.8	386.8	389.9	85.8	88.9	89.8	314.2	325.3	328.8	433.9	442.8	444.1	6
.9	.9	.9	6.0	6.1	6.0	.8	.9	.9	3.3	3.4	3.5	4.2	4.2	4.2	7
2.6	2.5	2.5	10.0	9.6	9.6	2.7	2.7	2.7	8.0	8.5	8.6	8.1	8.6	8.6	8
4.4	4.3	4.3	24.5	24.7	25.0	4.1	4.4	4.4	25.2	25.7	26.0	36.5	37.6	37.3	9
18.0	17.8	17.9	60.0	60.5	61.6	13.0	12.9	13.0	44.6	44.1	44.7	74.8	74.5	74.3	10
25.5	25.5	25.6	86.3	87.2	87.9	21.4	22.1	22.5	82.6	84.8	85.7	109.1	108.5	108.6	11
17.8	17.8	18.0	65.9	66.5	67.3	21.9	22.8	22.7	50.3	50.4	50.9	63.9	63.0	63.1	12
10.0	9.9	9.9	23.4	23.5	23.5	5.4	5.4	5.4	17.6	17.8	17.9	13.8	14.1	14.1	13
72.8	74.9	75.0	289.0	294.1	297.6	67.6	70.3	70.5	227.5	236.2	238.5	277.8	281.6	283.5	14
40.3	42.6	(*)	138.1	149.3	(*)	40.1	42.8	(*)	108.8	114.0	(*)	107.9	108.0	(*)	15
7.3	7.4	7.4	28.3	29.1	29.4	6.3	6.6	6.6	23.6	24.4	24.5	19.8	20.0	19.9	16
5.4	5.5	5.6	28.8	30.8	31.5	5.6	5.6	5.6	24.7	26.3	26.3	29.2	29.8	30.1	17
39.2	40.2	40.5	117.2	119.3	120.0	18.5	18.4	18.6	84.6	86.3	87.0	121.6	109.9	110.7	18
8.8	8.4	8.5	23.3	23.1	23.2	4.4	4.5	4.5	17.2	17.0	17.1	20.1	18.1	18.2	19
9.2	9.1	9.0	19.8	19.9	19.9	3.3	3.4	3.3	13.5	13.1	13.3	17.2	16.7	16.6	20
2.3	2.3	2.3	11.3	11.4	11.4	1.7	1.7	1.8	8.1	7.7	7.7	9.6	9.2	9.4	21
3.6	3.6	3.6	13.4	13.5	13.5	2.4	2.4	2.4	11.9	12.2	12.2	8.9	7.8	7.6	22
81.8	83.0	84.0	388.0	397.7	407.2	76.9	78.6	79.1	304.5	320.5	325.3	293.5	286.9	293.3	23
4.0	3.9	4.0	22.1	21.5	21.8	4.1	4.3	4.3	17.3	17.5	17.8	15.2	15.3	15.3	24
4.6	4.3	4.4	15.8	16.2	16.5	2.0	2.2	2.2	12.0	12.9	12.9	9.8	9.8	9.9	25
1.4	1.4	1.4	7.9	7.8	8.1	.8	.8	.8	6.7	7.0	7.0	5.9	5.9	6.0	26
2.1	2.1	2.1	9.4	9.9	10.0	.9	.9	.9	7.5	8.1	8.1	5.3	6.1	6.1	27
5.3	5.2	5.0	30.4	32.3	32.7	9.2	9.6	9.7	25.0	25.9	26.1	51.5	52.0	52.2	28
30.0	30.9	31.1	133.4	132.7	134.9	33.0	33.5	33.5	116.5	120.9	122.2	76.6	68.4	75.5	29
2.1	2.3	2.3	12.4	12.5	12.8	1.7	1.7	1.8	10.1	10.7	11.0	8.5	8.8	8.9	30
12.9	12.9	13.4	34.7	35.2	36.5	5.0	5.6	5.6	22.5	22.4	23.7	37.0	37.3	38.3	31
2.1	2.1	2.2	6.9	7.4	7.6	1.1	1.3	1.3	4.0	4.2	4.3	4.6	4.6	4.6	32
3.3	3.3	3.4	5.4	5.7	5.8	1.3	1.3	1.3	4.1	3.9	4.0	7.0	6.7	6.7	33

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
-	TOTAL PRIVATE	\$174.36	\$176.54	\$185.40	\$187.36	\$189.28	\$4.83	\$4.85	\$5.15	\$5.19	\$5.20
-	MINING	269.88	270.50	298.52	298.52	301.44	6.35	6.32	6.80	6.80	6.82
10	METAL MINING	279.36	286.62	296.19	299.22	-	6.62	6.65	7.12	6.21	-
101	Iron ores	295.40	301.37	314.81	324.36	-	7.00	6.96	7.46	7.65	-
102	Copper ores	282.88	292.02	290.14	283.48	-	6.80	6.92	7.29	7.25	-
11,12	COAL MINING	309.28	303.02	343.62	338.22	-	7.81	7.73	8.30	8.31	-
12	Bituminous coal and lignite mining	309.68	303.80	346.11	338.60	-	7.84	7.75	8.34	8.34	-
13	OIL AND GAS EXTRACTION	250.74	251.99	281.98	284.13	-	5.66	5.65	6.13	6.15	-
131,2	Crude petroleum and natural gas fields	265.93	264.06	299.33	297.93	-	6.55	6.52	7.11	7.06	-
138	Oil and gas field services	242.03	245.70	274.37	278.50	-	5.25	5.25	5.74	5.79	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	235.05	240.49	256.05	260.35	-	5.33	5.38	5.69	5.76	-
142	Crushed and broken stone	226.75	235.49	249.70	258.77	-	5.13	5.21	5.50	5.65	-
-	CONTRACT CONSTRUCTION	283.09	288.04	291.56	296.25	295.37	7.61	7.60	7.88	7.90	7.94
15	GENERAL BUILDING CONTRACTORS	271.18	272.69	285.07	288.51	-	7.45	7.39	7.81	7.84	-
16	HEAVY CONSTRUCTION CONTRACTORS	278.78	294.47	279.60	290.39	-	7.04	7.13	6.99	7.10	-
161	Highway and street construction	269.74	289.93	276.34	290.22	-	6.71	6.79	6.74	6.91	-
162	Heavy construction, nec	286.21	297.94	282.96	290.80	-	7.32	7.43	7.20	7.27	-
17	SPECIAL TRADE CONTRACTORS	292.07	293.72	300.35	304.41	-	7.98	7.96	8.32	8.34	-
171	Plumbing, heating, air conditioning	309.04	309.08	318.75	327.47	-	8.09	8.07	8.50	8.55	-
172	Painting, paper hanging, decorating	260.87	254.10	266.90	277.99	-	7.39	7.26	7.85	7.92	-
173	Electrical work	337.42	339.98	343.73	350.43	-	8.81	8.90	9.29	9.32	-
174	Masonry, stonework, and plastering	264.42	268.47	273.17	276.42	-	7.80	7.85	8.13	8.13	-
176	Roofing and sheetmetal work	234.65	244.50	245.93	245.67	-	7.22	7.17	7.43	7.49	-
-	MANUFACTURING	205.82	208.06	220.80	224.07	227.51	5.12	5.15	5.52	5.56	5.59
19,24,25,32-39	DURABLE GOODS	224.54	227.28	239.32	243.95	248.17	5.49	5.53	5.88	5.95	5.98
20-23,26-31	NONDURABLE GOODS	180.85	182.03	195.11	196.11	199.69	4.59	4.62	4.99	4.99	5.03
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	228.73	232.37	251.74	253.79	250.50	5.62	5.64	6.14	6.19	6.08
192	Ammunition, except for small arms	229.65	234.43	255.56	259.03	260.53	5.77	5.76	6.31	6.38	6.37
1925	Complete guided missiles	249.77	258.34	284.78	288.23	-	6.26	6.24	6.98	7.03	-
1929	Ammunition, exc. for small arms, nec	192.15	191.18	205.20	209.60	-	4.84	4.84	5.13	5.24	-
24	LUMBER AND WOOD PRODUCTS	186.24	193.26	197.60	201.10	203.50	4.61	4.76	4.94	4.99	5.00
242	Sawmills and planing mills	184.54	192.46	196.66	200.57	201.96	4.49	4.66	4.82	4.88	4.89
2421	Sawmills and planing mills, general	192.40	201.20	206.23	209.71	-	4.67	4.86	5.03	5.09	-
243	Millwork, plywood and related products	192.56	197.15	204.57	208.87	(*)	4.79	4.88	5.14	5.17	(*)
2431	Millwork	182.75	183.68	191.78	196.11	-	4.65	4.65	4.93	4.99	-
2432	Veneer and plywood	206.59	218.40	226.46	231.55	-	4.99	5.25	5.47	5.50	-
244	Wooden containers	142.09	143.39	141.31	143.52	(*)	3.57	3.63	3.68	3.68	(*)
2441,2	Wooden boxes, shooks, and crates	137.31	139.79	140.12	141.57	-	3.45	3.53	3.63	3.63	-
249	Miscellaneous wood products	158.36	158.79	163.10	165.15	167.63	3.91	3.95	4.15	4.16	4.17
25	FURNITURE AND FIXTURES	151.70	154.44	159.56	162.82	165.29	3.93	3.96	4.21	4.24	4.26
251	Household furniture	142.85	144.74	149.25	152.00	153.97	3.72	3.74	3.98	4.00	4.02
2511	Wood household furniture	136.42	138.25	141.37	145.13	-	3.48	3.50	3.73	3.75	-
2512	Upholstered household furniture	147.63	149.20	156.16	158.98	-	3.99	4.00	4.29	4.32	-
2515	Mattresses and bedsprings	159.22	162.92	170.63	169.00	-	4.28	4.31	4.55	4.58	-
252	Office furniture	174.76	182.34	189.68	196.17	-	4.38	4.48	4.79	4.82	-
254	Partitions and fixtures	188.02	191.52	197.10	201.88	-	4.76	4.80	5.08	5.15	-
253,9	Other furniture and fixtures	168.58	171.16	181.89	183.38	(*)	4.39	4.40	4.70	4.69	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	218.29	221.01	234.32	239.67	243.49	5.26	5.30	5.66	5.72	5.77
321	Flat glass	290.25	302.33	314.20	313.20	-	6.75	6.84	7.29	7.25	-
322	Glass and glassware, pressed or blown	218.69	220.04	241.79	243.21	246.24	5.36	5.38	5.97	6.02	6.05
3221	Glass containers	228.80	228.11	251.47	257.04	-	5.54	5.55	6.24	6.30	-
3229	Pressed and blown glass, nec	204.51	207.36	227.51	223.28	-	5.10	5.12	5.59	5.61	-
324	Cement, hydraulic	304.61	307.86	318.36	338.78	345.72	7.27	7.33	7.58	7.99	8.04
325	Structural clay products	173.46	173.45	186.59	189.15	(*)	4.20	4.21	4.54	4.58	(*)
3251	Brick and structural clay tile	161.70	160.90	167.28	169.74	-	3.85	3.84	4.07	4.13	-
326	Pottery and related products	175.56	175.05	195.62	197.41	-	4.49	4.50	4.94	4.96	-
327	Concrete, gypsum, and plaster products	225.65	230.99	242.85	248.40	252.44	5.26	5.31	5.57	5.62	5.66
328,9	Other stone and nonmetallic mineral products	210.33	211.15	220.46	225.64	230.33	5.13	5.15	5.43	5.49	5.55
3291	Abrasive products	207.60	203.94	209.97	218.40	-	5.19	5.15	5.37	5.46	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
—	TOTAL PRIVATE	36.1	36.4	36.0	36.1	36.4	—	—	—	—	—
—	MINING	42.5	42.8	43.9	43.9	44.2	—	—	—	—	—
10	METAL MINING	42.2	43.1	41.6	41.5	—	—	—	—	—	—
101	Iron ores	42.2	43.3	42.2	42.4	—	—	—	—	—	—
102	Copper ores	41.6	42.2	39.8	39.1	—	—	—	—	—	—
11,12	COAL MINING	39.6	39.2	41.4	40.7	—	—	—	—	—	—
12	Bituminous coal and lignite mining	39.5	39.2	41.5	40.6	—	—	—	—	—	—
13	OIL AND GAS EXTRACTION	44.3	44.6	46.0	46.2	—	—	—	—	—	—
131,2	Crude petroleum and natural gas fields	40.6	40.5	42.1	42.2	—	—	—	—	—	—
138	Oil and gas field services	46.1	46.8	47.8	48.1	—	—	—	—	—	—
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.1	44.7	45.0	45.2	—	—	—	—	—	—
142	Crushed and broken stone	44.2	45.2	45.4	45.8	—	—	—	—	—	—
—	CONTRACT CONSTRUCTION	37.2	37.9	37.0	37.5	37.2	—	—	—	—	—
15	GENERAL BUILDING CONTRACTORS	36.4	36.9	36.5	36.8	—	—	—	—	—	—
16	HEAVY CONSTRUCTION CONTRACTORS	39.6	41.3	40.0	40.9	—	—	—	—	—	—
161	Highway and street construction	40.2	42.7	41.0	42.0	—	—	—	—	—	—
162	Heavy construction, nec	39.1	40.1	39.3	40.0	—	—	—	—	—	—
17	SPECIAL TRADE CONTRACTORS	36.6	36.9	36.1	36.5	—	—	—	—	—	—
171	Plumbing, heating, air conditioning	38.2	38.3	37.5	38.3	—	—	—	—	—	—
172	Painting, paper hanging, decorating	35.3	35.0	34.0	35.1	—	—	—	—	—	—
173	Electrical work	38.3	38.2	37.0	37.6	—	—	—	—	—	—
174	Masonry, stonework, and plastering	33.9	34.2	33.6	34.0	—	—	—	—	—	—
176	Roofing and sheet metal work	32.5	34.1	33.1	32.8	—	—	—	—	—	—
—	MANUFACTURING	40.2	40.4	40.0	40.3	40.7	3.1	3.2	3.1	3.3	3.5
19,24,25, 32-39	DURABLE GOODS	40.9	41.1	40.7	41.0	41.5	3.3	3.4	3.3	3.5	3.7
20-23,26-31	NONDURABLE GOODS	39.4	39.4	39.1	39.3	39.7	3.0	3.0	2.9	3.0	3.1
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	40.7	41.2	41.0	41.0	41.2	2.2	2.6	2.8	2.7	—
192	Ammunition, except for small arms	39.8	40.7	40.5	40.6	40.9	1.6	1.9	2.2	2.2	—
1925	Complete guided missiles	39.9	41.4	40.8	41.0	—	—	—	—	—	—
1929	Ammunition, exc. for small arms, nec	39.7	39.5	40.0	40.0	—	—	—	—	—	—
24	LUMBER AND WOOD PRODUCTS	40.4	40.6	40.0	40.3	40.7	3.6	3.7	3.7	3.9	—
242	Sawmills and planing mills	41.1	41.3	40.8	41.1	41.3	4.2	4.2	4.3	4.4	—
2421	Sawmills and planing mills, general	41.2	41.4	41.0	41.2	—	—	—	—	—	—
243	Millwork, plywood and related products	40.2	40.4	39.8	40.4	(*)	3.3	3.2	3.3	3.7	—
2431	Millwork	39.3	39.5	38.9	39.3	—	—	—	—	—	—
2432	Veneer and plywood	41.4	41.6	41.4	42.1	—	—	—	—	—	—
244	Wooden containers	39.8	39.5	38.4	39.0	(*)	2.8	2.8	2.4	2.8	—
2441,2	Wooden boxes, shooks, and crates	39.8	39.6	38.6	39.0	—	—	—	—	—	—
249	Miscellaneous wood products	40.5	40.2	39.3	39.7	40.2	3.6	3.4	3.4	3.4	—
25	FURNITURE AND FIXTURES	38.6	39.0	37.9	38.4	38.8	2.0	2.1	1.8	2.2	—
251	Household furniture	38.4	38.7	37.5	38.0	38.3	2.0	2.0	1.7	2.1	—
2511	Wood household furniture	39.2	39.5	37.9	38.7	—	2.3	2.4	2.0	2.7	—
2512	Upholstered household furniture	37.0	37.3	36.4	36.8	—	—	—	—	—	—
2515	Mattresses and bedspreads	37.2	37.8	37.5	36.9	—	—	—	—	—	—
252	Office furniture	39.9	40.7	39.6	40.7	—	1.9	2.9	2.3	3.1	—
254	Partitions and fixtures	39.5	39.9	38.8	39.2	—	2.4	2.7	1.8	2.2	—
253,9	Other furniture and fixtures	38.4	38.9	38.7	39.1	(*)	1.5	2.0	1.5	1.5	—
32	STONE, CLAY, AND GLASS PRODUCTS	41.5	41.7	41.4	41.9	42.2	4.2	4.3	4.5	4.7	—
321	Flat glass	43.0	44.2	43.1	43.2	—	6.1	5.6	6.9	6.4	—
322	Glass and glassware, pressed or blown	40.8	40.9	40.5	40.4	40.7	4.2	4.0	4.1	3.9	—
3221	Glass containers	41.3	41.1	40.3	40.8	—	—	—	—	—	—
3229	Pressed and blown glass, nec	40.1	40.5	40.7	39.8	—	3.0	3.0	3.6	2.9	—
324	Cement, hydraulic	41.9	42.0	42.0	42.4	43.0	3.1	3.2	3.9	3.8	—
325	Structural clay products	41.3	41.2	41.1	41.3	(*)	3.7	3.8	3.9	4.1	—
3251	Brick and structural clay tile	42.0	41.9	41.1	41.1	—	—	—	—	—	—
326	Pottery and related products	39.1	38.9	39.6	39.8	—	2.0	2.0	2.1	2.1	—
327	Concrete, gypsum and plaster products	42.9	43.5	43.6	44.2	44.6	5.8	6.1	6.2	6.9	—
328,9	Other stone and nonmetallic mineral products	41.0	41.0	40.6	41.1	41.5	3.3	3.2	3.6	3.8	—
3291	Abrasive products	40.0	39.6	39.1	40.0	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	\$275.26	\$279.60	\$298.91	\$305.95	\$308.58	\$6.73	\$6.77	\$7.22	\$7.39	\$7.40
331	Blast furnace and basic steel products	304.36	312.36	337.79	346.88	(*)	7.59	7.60	8.12	8.44	(*)
3312	Blast furnaces and steel mills	310.42	318.57	345.28	355.06	—	7.78	7.77	8.30	8.66	—
332	Iron and steel foundries	250.31	257.92	265.12	271.75	(*)	6.12	6.20	6.53	6.58	(*)
3321	Gray iron foundries	262.70	271.57	275.78	282.31	—	6.33	6.42	6.71	6.77	—
3322	Malleable iron foundries	255.58	266.93	272.45	271.96	—	6.52	6.64	6.88	6.92	—
3323	Steel foundries	216.94	220.44	233.45	243.76	—	5.41	5.47	5.91	5.96	—
333,4	Nonferrous metals	273.06	272.48	292.16	290.46	289.57	6.44	6.55	7.04	7.05	7.08
3334	Primary aluminum	305.42	304.30	320.17	321.68	—	7.07	7.28	7.79	7.77	—
335	Nonferrous rolling and drawing	251.01	254.82	274.99	277.77	282.28	5.92	6.01	6.44	6.49	6.58
3351	Copper rolling and drawing	255.58	258.39	278.52	279.40	—	5.93	5.94	6.33	6.35	—
3352	Aluminum rolling and drawing	259.06	266.48	289.82	296.67	—	6.11	6.27	6.74	6.82	—
3357	Nonferrous wire drawing and insulating	251.26	252.42	267.34	267.34	—	5.94	6.01	6.32	6.35	—
336	Nonferrous foundries	211.53	212.63	224.92	231.69	231.01	5.21	5.25	5.54	5.61	5.58
3361	Aluminum castings	218.41	217.62	230.68	240.51	—	5.34	5.36	5.64	5.74	—
3362,9	Other nonferrous castings	202.31	205.93	216.94	219.37	—	5.02	5.11	5.41	5.43	—
339	Miscellaneous primary metal products	263.16	255.27	277.02	286.47	(*)	6.45	6.43	6.84	6.97	(*)
3391	Iron and steel forgings	281.67	272.92	290.07	304.37	—	6.87	6.84	7.27	7.46	—
34	FABRICATED METAL PRODUCTS	221.40	224.67	229.64	234.36	241.28	5.40	5.45	5.67	5.73	5.80
341	Metal cans	314.94	323.44	319.74	329.75	344.58	7.03	7.14	7.30	7.41	7.54
342	Cutlery, hand tools, and hardware	210.60	210.31	213.09	217.42	216.24	5.20	5.18	5.21	5.29	5.30
3421,3,5	Cutlery and hand tools, incl. saws	192.96	193.44	203.81	206.55	—	4.80	4.80	5.07	5.10	—
3429	Hardware, nec	223.04	221.82	219.42	224.52	—	5.48	5.45	5.30	5.41	—
343	Plumbing and heating, except electric	192.00	190.72	202.64	201.33	(*)	4.80	4.78	5.13	5.11	(*)
3431,2	Sanitary ware and plumbers' brass goods	192.23	189.03	200.85	202.93	—	4.83	4.81	5.19	5.19	—
3433	Heating equipment, except electric	191.75	192.30	203.31	199.58	—	4.77	4.76	5.07	5.04	—
344	Fabricated structural metal products	212.38	214.25	219.38	224.47	228.63	5.27	5.29	5.54	5.57	5.59
3441	Fabricated structural steel	226.87	232.69	232.93	239.44	—	5.52	5.58	5.78	5.84	—
3442	Metal doors, sash, and trim	169.03	169.81	174.15	175.28	—	4.29	4.31	4.50	4.46	—
3443	Fabricated plate work (boiler shops)	228.02	228.17	237.58	244.22	—	5.63	5.62	6.03	6.06	—
3444	Sheet metal work	218.80	220.25	225.76	230.11	—	5.47	5.52	5.63	5.71	—
3446,9	Architectural and misc. metal work	199.98	201.78	209.88	214.27	—	4.95	4.97	5.30	5.33	—
345	Screw machine products, bolts, etc	214.04	218.30	233.10	233.52	237.44	5.17	5.21	5.55	5.60	5.60
3451	Screw machine products	202.95	207.09	219.03	214.73	—	4.95	4.99	5.24	5.25	—
3452	Bolts, nuts, rivets, and washers	224.88	228.72	247.46	252.62	—	5.38	5.42	5.85	5.93	—
346	Metal stampings	257.84	265.17	266.49	276.55	295.67	6.11	6.21	6.58	6.68	6.86
347	Metal services, nec	177.68	179.38	185.14	189.74	191.63	4.42	4.44	4.64	4.72	4.72
348	Miscellaneous fabricated wire products	191.50	188.60	195.69	198.28	203.18	4.74	4.68	4.88	4.92	4.98
348	Miscellaneous fabricated metal products	213.91	215.54	229.45	234.58	236.65	5.23	5.27	5.61	5.68	5.73
3494,8	Valves, pipe, and pipe fittings	219.22	222.89	233.86	238.88	—	5.36	5.41	5.69	5.77	—
35	MACHINERY, EXCEPT ELECTRICAL	233.29	235.66	249.48	252.95	257.69	5.69	5.72	6.07	6.11	6.15
361	Engines and turbines	263.74	266.83	280.28	284.09	(*)	6.48	6.54	7.06	7.12	(*)
3611	Steam engines and turbines	241.08	249.55	259.10	248.57	—	5.88	5.97	6.51	6.49	—
3619	Internal combustion engines, nec	273.78	275.12	289.81	300.03	—	6.76	6.81	7.30	7.39	—
362	Farm machinery	246.04	247.86	261.62	262.22	—	6.06	6.09	6.35	6.38	—
363	Construction and related machinery	242.00	246.64	265.10	266.98	(*)	5.99	6.06	6.45	6.48	(*)
3631,2	Construction and mining machinery	255.42	260.95	282.69	285.71	—	6.45	6.54	6.98	7.02	—
3633	Oil field machinery	229.32	233.20	256.88	255.77	—	5.46	5.50	5.96	5.99	—
3636,6	Conveyors, hoists, cranes, monorails	230.18	233.65	234.77	233.45	—	5.56	5.63	5.84	5.75	—
3637	Industrial trucks and tractors	212.65	218.00	238.21	246.74	—	5.37	5.45	5.81	5.96	—
364	Metal working machinery	243.78	245.78	270.50	271.78	(*)	5.86	5.88	6.32	6.35	(*)
3641	Machine tools, metal cutting types	244.11	246.03	283.08	284.85	—	5.84	5.90	6.39	6.43	—
3644	Special dies, tools, jigs and fixtures	267.50	269.57	294.80	296.12	—	6.25	6.24	6.70	6.73	—
3645	Machine tool accessories	218.43	221.95	245.44	246.69	—	5.42	5.44	5.90	5.93	—
3642,8	Miscellaneous metal working machinery	217.48	218.80	231.38	231.60	—	5.41	5.47	5.77	5.79	—
365	Special industry machinery	216.48	218.12	228.83	234.27	236.81	5.28	5.32	5.65	5.70	5.72
3651	Food products machinery	227.26	230.45	236.61	243.17	—	5.57	5.58	5.93	5.96	—
3652	Textile machinery	180.63	183.19	188.00	191.75	—	4.46	4.49	4.70	4.77	—
3655	Printing trades machinery	222.35	226.32	243.00	248.24	—	5.41	5.52	6.00	6.04	—
366	General industrial machinery	229.80	231.74	246.63	249.48	252.76	5.66	5.68	6.03	6.07	6.12
3661	Pumps and compressors	231.18	234.19	252.66	255.31	—	5.68	5.74	6.03	6.05	—
3662	Ball and roller bearings	239.90	242.43	254.41	256.06	—	5.88	5.87	6.16	6.20	—
3664	Blowers and fans	211.70	220.18	225.44	233.38	—	5.24	5.28	5.65	5.72	—
3666	Power transmission equipment	231.65	232.72	242.57	244.82	—	5.65	5.69	5.96	6.03	—
367	Office and computing machines	218.09	220.92	220.86	223.85	(*)	5.23	5.26	5.40	5.42	(*)
3673	Electronic computing equipment	227.52	229.87	226.05	230.05	—	5.43	5.46	5.50	5.53	—
368	Service industry machines	207.57	209.50	215.05	220.02	221.60	5.10	5.16	5.50	5.57	5.54
3685	Refrigeration machinery	208.18	211.45	212.91	218.23	—	5.09	5.17	5.53	5.61	—
369	Miscellaneous machinery, except electrical	231.02	232.55	243.36	248.81	252.28	5.54	5.55	5.85	5.91	5.95

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	40.9	41.3	41.4	41.4	41.7	3.5	3.7	3.6	3.7	—
331	Blast furnace and basic steel products	40.1	41.1	41.6	41.1	(*)	2.5	3.0	2.9	2.8	—
3312	Blast furnaces and steel mills	39.9	41.0	41.6	41.0	—	2.4	2.9	2.8	2.7	—
332	Iron and steel foundries	40.9	41.6	40.6	41.3	(*)	4.3	4.6	4.1	4.3	—
3321	Gray iron foundries	41.5	42.3	41.1	41.7	—	4.8	5.3	4.6	4.7	—
3322	Malleable iron foundries	39.2	40.2	39.6	39.3	—	—	—	—	—	—
3323	Steel foundries	40.1	40.3	39.5	40.9	—	3.4	3.4	3.2	3.8	—
333,4	Nonferrous metals	42.4	41.6	41.5	41.2	40.9	4.1	3.5	3.3	3.4	—
3334	Primary aluminum	43.2	41.8	41.1	41.4	—	—	—	—	—	—
335	Nonferrous rolling and drawing	42.4	42.4	42.7	42.8	42.9	4.8	5.1	5.3	5.3	—
3351	Copper rolling and drawing	43.1	43.5	44.0	44.0	—	—	—	—	—	—
3352	Aluminum rolling and drawing	42.4	42.5	43.0	43.5	—	5.4	5.3	6.5	6.4	—
3357	Nonferrous wire drawing and insulating ..	42.3	42.0	42.3	42.1	—	4.4	5.0	4.6	4.6	—
336	Nonferrous foundries	40.6	40.5	40.6	41.3	41.4	3.2	3.4	3.2	3.8	—
3361	Aluminum castings	40.9	40.6	40.9	41.9	—	—	—	—	—	—
3362,9	Other nonferrous castings	40.3	40.3	40.1	40.4	—	—	—	—	—	—
339	Miscellaneous primary metal products	40.8	39.7	40.5	41.1	(*)	4.1	3.3	3.7	4.3	—
3391	Iron and steel forgings	41.0	39.9	39.9	40.8	—	—	—	—	—	—
34	FABRICATED METAL PRODUCTS	41.0	41.3	40.5	40.9	41.6	3.4	3.5	3.3	3.5	—
341	Metal cans	44.8	45.3	43.8	44.5	45.7	4.7	5.1	3.7	4.3	—
342	Cutlery, hand tools, and hardware	40.5	40.6	40.9	41.1	40.8	2.8	3.0	3.3	3.4	—
3421,3,5	Cutlery and hand tools, incl. saws	40.2	40.3	40.2	40.5	—	—	—	—	—	—
3429	Hardware, nec	40.7	40.7	41.4	41.5	—	—	—	—	—	—
343	Plumbing and heating, except electric	40.0	39.9	39.5	39.4	(*)	3.0	2.9	2.8	2.5	—
3431,2	Sanitary ware and plumbers' brass goods ..	39.8	39.3	38.7	39.1	—	—	—	—	—	—
3433	Heating equipment, except electric	40.2	40.4	40.1	39.6	—	—	—	—	—	—
344	Fabricated structural metal products	40.3	40.5	39.6	40.3	40.9	2.8	2.9	2.4	2.8	—
3441	Fabricated structural steel	41.1	41.7	40.3	41.0	—	3.1	3.6	2.4	2.9	—
3442	Metal doors, sash, and trim	39.4	39.4	38.7	39.3	—	—	—	—	—	—
3443	Fabricated plate work (boiler shops)	40.5	40.6	39.4	40.3	—	2.8	2.6	2.4	2.7	—
3444	Sheet metal work	40.0	39.9	40.1	40.3	—	—	—	—	—	—
3446,9	Architectural and misc. metal work	40.4	40.6	39.6	40.2	—	—	—	—	—	—
345	Screw machine products, bolts, etc	41.4	41.9	42.0	41.7	42.4	3.5	3.9	4.3	4.5	—
3451	Screw machine products	41.0	41.5	41.8	40.9	—	—	—	—	—	—
3452	Bolts, nuts, rivets, and washers	41.8	42.2	42.3	42.6	—	—	—	—	—	—
346	Metal stampings	42.2	42.7	40.5	41.4	43.1	4.7	5.1	4.5	4.7	—
347	Metal services, nec	40.2	40.4	39.9	40.2	40.6	3.3	3.6	3.1	3.5	—
348	Miscellaneous fabricated wire products	40.4	40.3	40.1	40.3	40.8	3.0	2.8	2.7	2.8	—
349	Miscellaneous fabricated metal products	40.9	40.9	40.9	41.3	41.3	3.0	3.0	3.2	3.3	—
349,8	Valves, pipe, and pipe fittings	40.9	41.2	41.1	41.4	—	—	—	—	—	—
35	MACHINERY, EXCEPT ELECTRICAL	41.0	41.2	41.1	41.4	41.9	3.0	3.1	3.3	3.5	—
351	Engines and turbines	40.7	40.8	39.7	39.9	(*)	3.4	3.6	2.5	2.6	—
3511	Steam engines and turbines	41.0	41.8	39.8	38.3	—	—	—	—	—	—
3519	Internal combustion engines, nec	40.5	40.4	39.7	40.6	—	—	—	—	—	—
352	Farm machinery	40.6	40.7	41.2	41.1	—	2.6	2.7	3.5	3.3	—
353	Construction and related machinery	40.4	40.7	41.1	41.2	(*)	2.4	2.6	2.7	2.9	—
3531,2	Construction and mining machinery	39.6	39.9	40.5	40.7	—	1.7	1.9	2.2	2.2	—
3533	Oil field machinery	42.0	42.4	43.1	42.7	—	—	—	—	—	—
3535,6	Conveyors, hoists, cranes, monorails	41.4	41.5	40.2	40.6	—	—	—	—	—	—
3537	Industrial trucks and tractors	39.6	40.0	41.0	41.4	—	—	—	—	—	—
354	Metal working machinery	41.6	41.8	42.8	42.8	(*)	4.0	3.9	4.9	5.0	—
3541	Machine tools, metal cutting types	41.8	41.7	44.3	44.3	—	3.3	3.5	4.6	4.8	—
3544	Special dies, tools, jig and fixtures	42.8	43.2	44.0	44.0	—	—	—	—	—	—
3545	Machine tool accessories	40.3	40.8	41.6	41.6	—	2.9	3.2	3.9	4.0	—
3542,8	Miscellaneous metal working machinery	40.2	40.0	40.1	40.0	—	—	—	—	—	—
355	Special industry machinery	41.0	41.0	40.5	41.1	41.4	2.8	2.8	2.8	3.3	—
3551	Food products machinery	40.8	41.3	39.9	40.8	—	—	—	—	—	—
3552	Textile machinery	40.5	40.8	40.0	40.2	—	—	—	—	—	—
3555	Printing trades machinery	41.1	41.0	40.5	41.1	—	—	—	—	—	—
356	General industrial machinery	40.6	40.8	40.9	41.1	41.3	2.6	2.9	3.2	3.3	—
3561	Pumps and compressors	40.7	40.8	41.9	42.2	—	2.8	2.7	4.0	4.2	—
3562	Ball and roller bearings	40.8	41.3	41.3	41.3	—	2.7	3.6	3.8	3.8	—
3564	Blowers and fans	40.4	41.7	39.9	40.8	—	—	—	—	—	—
3566	Power transmission equipment	41.0	40.9	40.7	40.6	—	2.9	3.0	2.7	2.6	—
357	Office and computing machines	41.7	42.0	40.9	41.3	(*)	2.4	2.9	2.6	2.7	—
3573	Electronic computing equipment	41.9	42.1	41.1	41.6	—	—	—	—	—	—
358	Service industry machines	40.7	40.6	39.1	39.5	40.0	2.5	2.6	2.1	2.4	—
3585	Refrigeration machinery	40.9	40.9	38.5	38.9	—	2.5	2.6	2.2	2.4	—
359	Miscellaneous machinery, except electrical ..	41.7	41.9	41.6	42.1	42.4	3.9	3.8	3.9	4.2	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P
	DURABLE GOODS—Continued										
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$193.76	\$195.05	\$207.48	\$210.93	\$214.77	\$4.82	\$4.84	\$5.20	\$5.26	\$5.29
361	Electric test and distributing equipment	200.10	200.10	214.26	215.06	(*)	4.99	4.99	5.37	5.39	(*)
3611	Electric measuring instruments	203.50	199.89	207.23	207.90	—	5.00	4.96	5.22	5.25	—
3612	Transformers	186.26	190.76	205.64	204.02	—	4.68	4.71	5.09	5.05	—
3613	Switchgear and switchboard apparatus	208.00	207.23	226.46	227.88	—	5.20	5.22	5.69	5.74	—
362	Electrical industrial apparatus	196.26	195.37	211.85	215.06	218.00	4.87	4.86	5.27	5.31	5.33
3621	Motors and generators	200.07	197.78	218.83	221.95	—	4.94	4.92	5.39	5.44	—
3622	Industrial controls	184.14	184.21	191.28	193.55	—	4.65	4.64	4.93	4.95	—
363	Household appliances	192.08	190.16	202.27	204.75	208.55	4.79	4.79	5.16	5.21	5.24
3632	Household refrigerators and freezers	201.79	199.58	218.69	207.87	—	5.07	5.04	5.36	5.33	—
3633	Household laundry equipment	218.44	216.22	221.56	232.61	—	5.53	5.53	6.07	6.17	—
3634	Electric housewares and fans	163.98	162.72	171.55	172.27	—	4.12	4.13	4.41	4.44	—
364	Electric lighting and wiring equipment	185.44	184.12	193.16	195.82	(*)	4.59	4.58	4.89	4.92	(*)
3641	Electric lamps	188.60	189.06	209.68	213.91	—	4.60	4.60	5.19	5.23	—
3642	Lighting fixtures	195.20	194.62	190.68	192.84	—	4.88	4.89	4.94	4.97	—
3643,4	Wiring devices	176.55	174.44	186.52	189.13	—	4.37	4.35	4.71	4.74	—
365	Radio and TV receiving equipment	175.87	179.33	181.64	180.78	(*)	4.43	4.54	4.78	4.77	(*)
366	Communication equipment	221.25	224.26	246.19	248.63	(*)	5.49	5.51	5.99	6.02	(*)
3661	Telephone and telegraph apparatus	225.74	228.93	256.85	257.69	—	5.56	5.57	6.13	6.15	—
3662	Radio and TV communication equipment	218.55	220.44	237.55	241.72	—	5.45	5.47	5.88	5.91	—
367	Electronic components and accessories	160.79	162.79	173.49	175.96	178.09	4.05	4.08	4.37	4.41	4.43
3671-3	Electron tubes	204.06	210.64	221.35	227.96	—	5.14	5.15	5.52	5.56	—
3674,9	Other electronic components	155.23	156.81	167.11	169.95	—	3.91	3.94	4.22	4.27	—
369	Miscellaneous electrical equip. and supplies	230.87	234.64	243.58	252.96	(*)	5.59	5.60	5.97	6.20	—
3694	Engine electrical equipment	353.15	258.40	269.86	282.87	—	6.10	6.08	6.55	6.95	—
37	TRANSPORTATION EQUIPMENT**	275.40	279.06	294.42	303.45	308.30	6.48	6.52	7.01	7.09	7.12
371	Motor vehicles and equipment	312.76	319.69	339.79	351.90	(*)	7.06	7.12	7.74	7.82	(*)
3711	Motor vehicles	327.15	343.91	356.98	377.35	—	7.27	7.38	8.04	8.15	—
3712	Passenger car bodies	352.27	359.92	361.20	390.39	—	7.97	8.07	8.40	8.58	—
3713	Truck and bus bodies	225.74	227.42	244.82	245.22	—	5.56	5.52	6.06	6.10	—
3714	Motor vehicle parts and accessories	310.10	309.84	339.13	344.43	—	7.00	7.01	7.69	7.74	—
3715	Truck trailers	196.39	197.06	210.67	211.20	—	5.01	5.04	5.28	5.28	—
372	Aircraft and parts**	260.53	259.26	279.07	284.81	284.69	6.37	6.37	6.79	6.83	6.86
3721	Aircraft	268.06	266.18	287.58	292.86	—	6.57	6.54	6.98	7.04	—
3722	Aircraft engines and engine parts	257.58	257.44	277.70	280.85	—	6.36	6.42	6.84	6.85	—
3723,9	Other aircraft parts and equipment	246.51	247.10	262.29	271.36	—	5.94	5.94	6.29	6.37	—
373	Ship and boat building and repairing	221.20	222.88	232.07	231.27	(*)	5.60	5.60	5.89	5.93	(*)
3731	Ship building and repairing	235.03	236.01	247.98	(*)	—	5.95	5.93	6.31	(*)	—
3732	Boat building and repairing	175.08	176.67	181.70	183.46	—	4.41	4.45	4.60	4.68	—
374	Railroad equipment	261.89	255.57	273.02	(*)	—	6.63	6.57	7.11	(*)	—
375,9	Other transportation equipment	179.08	177.76	183.91	184.47	—	4.40	4.40	4.74	4.73	—
38	INSTRUMENTS AND RELATED PRODUCTS	195.77	195.62	204.40	207.66	209.71	4.81	4.83	5.11	5.14	5.14
381	Engineering and scientific instruments	206.04	205.84	220.86	223.02	—	5.05	5.07	5.40	5.40	—
382	Mechanical measuring and control devices	190.54	189.48	201.60	206.45	208.18	4.67	4.69	4.99	5.06	5.09
3821	Mechanical measuring devices	193.19	195.21	208.28	212.38	—	4.77	4.82	5.13	5.18	—
3822	Automatic temperature controls	186.22	181.40	190.00	195.86	—	4.52	4.49	4.75	4.86	—
383,5	Optical and ophthalmic goods	172.46	171.20	181.49	184.46	(*)	4.29	4.28	4.56	4.60	(*)
385	Ophthalmic goods	156.42	154.84	164.51	165.75	—	3.94	3.94	4.24	4.25	—
384	Medical instruments and supplies	170.34	172.73	174.92	178.82	181.94	4.28	4.34	4.52	4.55	4.56
386	Photographic equipment and supplies	257.23	254.52	267.62	267.86	(*)	6.11	6.06	6.48	6.47	(*)
387	Watches, clocks, and watchcases	157.17	155.20	162.68	162.68	—	3.90	3.88	4.15	4.15	—
39	MISC. MANUFACTURING INDUSTRIES	154.41	154.41	166.10	168.52	169.81	3.99	3.99	4.27	4.31	4.31
391	Jewelry, silverware, and plated ware	164.19	164.09	172.93	174.86	(*)	4.21	4.24	4.48	4.53	(*)
394	Toys and sporting goods	141.30	141.31	152.87	154.41	—	3.67	3.68	3.95	3.99	—
3941-3	Games, toys, dolls and play vehicles	132.33	133.41	144.02	144.78	—	3.51	3.52	3.78	3.80	—
3949	Sporting and athletic goods, nec	150.90	149.77	161.11	163.88	—	3.83	3.85	4.11	4.17	—
395	Pens, pencils, office and art supplies	157.56	157.56	171.17	174.12	—	3.90	3.90	4.29	4.31	—
396	Costume jewelry and notions	132.00	134.17	147.82	148.21	—	3.52	3.54	3.80	3.81	—
393,9	Other manufacturing industries	168.78	168.00	178.55	181.96	181.57	4.35	4.33	4.59	4.63	4.62
393	Musical instruments and parts	156.00	156.80	164.44	166.80	—	4.00	4.00	4.26	4.31	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	196.00	197.78	208.30	210.01	213.06	4.90	4.92	5.26	5.29	5.30
201	Meat products	198.90	200.10	206.66	209.33	(*)	5.01	4.99	5.34	5.34	(*)
2011	Meat packing plants	243.98	242.90	258.08	259.97	—	5.98	5.91	6.31	6.31	—
2013	Sausages and other prepared meats	238.55	243.17	251.93	254.64	—	5.89	5.06	6.33	6.35	—
2015	Poultry dressing plants	121.72	125.18	122.46	125.60	—	3.22	3.26	3.44	3.46	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May P 1977	June P 1977
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.2	40.3	39.9	40.1	40.6	2.3	2.4	2.3	2.4	—
361	Electric test and distributing equipment	40.1	40.1	39.9	39.9	(*)	2.0	1.9	2.0	2.4	—
3611	Electric measuring instruments	40.7	40.3	39.7	39.6	—	2.0	1.6	1.7	1.9	—
3612	Transformers	39.8	40.5	40.4	40.4	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	40.0	39.7	39.8	39.7	—	—	—	—	—	—
362	Electrical industrial apparatus	40.3	40.2	40.2	40.5	40.9	2.4	2.5	2.4	2.6	—
3621	Motors and generators	40.5	40.2	40.6	40.8	—	2.6	2.7	2.8	3.1	—
3622	Industrial controls	39.6	39.7	38.8	39.1	—	1.7	1.9	1.4	1.5	—
363	Household appliances	40.1	39.7	39.2	39.3	39.8	2.1	2.0	2.0	2.1	—
3632	Household refrigerators and freezers	39.8	39.6	40.8	39.0	—	—	—	—	—	—
3633	Household laundry equipment	39.5	39.1	36.5	37.7	—	—	—	—	—	—
3634	Electric housewares and fans	39.8	39.4	38.9	38.8	—	2.0	2.0	1.6	1.7	—
364	Electric lighting and wiring equipment	40.4	40.2	39.5	39.8	(*)	2.6	2.4	2.0	2.1	—
3641	Electric lamps	41.0	41.1	40.4	40.9	—	2.5	2.3	1.6	1.8	—
3642	Lighting fixtures	40.0	39.8	38.6	38.8	—	2.9	2.9	2.0	1.8	—
3643,4	Wiring devices	40.4	40.1	39.6	39.9	—	2.4	2.2	2.2	2.3	—
365	Radio and TV receiving equipment	39.7	39.5	38.0	37.9	(*)	2.7	2.1	2.2	1.8	—
366	Communication equipment	40.3	40.7	41.1	41.3	(*)	2.0	2.3	2.5	2.6	—
3661	Telephone and telegraph apparatus	40.6	41.1	41.9	41.9	—	—	—	—	—	—
3662	Radio and TV communication equipment	40.1	40.3	40.4	40.9	—	2.1	2.3	2.0	2.3	—
367	Electronic components and accessories	39.7	39.9	39.7	39.9	40.2	2.2	2.4	1.9	2.3	—
3671-3	Electron tubes	39.7	40.9	40.1	41.0	—	1.7	2.2	1.0	1.8	—
3674,9	Other electronic components	39.7	39.8	39.6	39.8	—	2.3	2.4	2.0	2.4	—
369	Miscellaneous electrical equip. and supplies	41.3	41.9	40.8	40.8	(*)	3.3	3.6	3.7	3.6	—
3694	Engine electrical equipment	41.5	42.5	41.2	40.7	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	42.5	42.8	42.0	42.8	43.3	4.5	4.7	4.6	5.2	—
371	Motor vehicles and equipment	44.3	44.9	43.9	45.0	(*)	6.0	6.4	6.2	7.1	—
3711	Motor vehicles	45.0	46.6	44.4	46.3	—	6.4	7.4	6.2	8.1	—
3712	Passenger car bodies	44.2	44.6	43.0	45.5	—	—	—	—	—	—
3713	Truck and bus bodies	40.6	41.2	40.4	40.2	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	44.3	44.2	44.1	44.5	—	6.1	6.1	6.6	6.7	—
3715	Truck trailers	39.2	39.1	39.9	40.0	—	—	—	—	—	—
372	Aircraft and parts	40.9	40.7	41.1	41.7	41.5	2.6	2.7	2.7	3.2	—
3721	Aircraft	40.8	40.7	41.2	41.6	—	2.2	2.2	2.1	2.4	—
3722	Aircraft engines and engine parts	40.5	40.1	40.6	41.0	—	2.8	2.8	3.1	3.8	—
3723,9	Other aircraft parts and equipment	41.5	41.6	41.7	42.6	—	3.3	3.5	3.7	4.2	—
373	Ship and boat building and repairing	39.5	39.8	39.4	39.0	(*)	2.9	2.8	3.3	3.2	—
3731	Ship building and repairing	39.5	39.8	39.3	(*)	—	—	—	—	—	—
3732	Boat building and repairing	39.7	39.7	39.5	39.2	—	—	—	—	—	—
374	Railroad equipment	39.5	38.9	38.4	(*)	—	1.8	1.3	1.8	(*)	—
375,9	Other transportation equipment	40.7	40.4	38.8	39.0	—	3.2	2.9	2.7	2.6	—
38	INSTRUMENTS AND RELATED PRODUCTS	40.7	40.5	40.0	40.4	40.8	2.6	2.5	2.2	2.3	—
381	Engineering and scientific instruments	40.8	40.6	40.9	41.3	—	2.4	2.4	2.4	3.0	—
382	Mechanical measuring and control devices	40.8	40.4	40.4	40.8	40.9	2.9	2.8	2.6	2.7	—
3821	Mechanical measuring devices	40.5	40.5	40.6	41.0	—	2.5	2.8	2.7	2.7	—
3822	Automatic temperature controls	41.2	40.4	40.0	40.3	—	3.4	2.8	2.3	2.7	—
383,5	Optical and ophthalmic goods	40.2	40.0	39.8	40.1	(*)	2.5	2.4	1.7	2.0	—
385	Ophthalmic goods	39.7	39.3	38.8	39.0	—	2.2	2.1	1.5	1.6	—
384	Medical instruments and supplies	39.8	39.8	38.7	39.3	39.9	2.3	2.2	2.0	2.2	—
386	Photographic equipment and supplies	42.1	42.0	41.3	41.4	(*)	3.1	2.9	2.4	2.3	—
387	Watches, clocks, and watch cases	40.3	40.0	39.2	39.2	—	2.0	1.9	1.7	1.7	—
39	MISC. MANUFACTURING INDUSTRIES	38.7	38.7	38.9	39.1	39.4	2.1	1.9	1.9	2.0	—
391	Jewelry, silverware, and plated ware	39.0	38.7	38.6	38.6	(*)	2.5	2.2	2.1	2.3	—
394	Toys and sporting goods	38.5	38.4	38.7	38.7	—	1.8	1.7	1.4	1.7	—
3941-3	Games, toys, dolls and play vehicles	37.7	37.9	38.1	38.1	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	39.4	38.9	39.2	39.3	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	40.4	40.4	39.9	40.4	—	3.2	2.2	2.1	2.3	—
396	Costume jewelry and notions	37.5	37.9	38.9	38.9	—	1.7	1.7	1.7	1.8	—
393,9	Other manufacturing industries	38.8	38.8	38.9	39.3	39.3	2.2	2.0	2.1	2.0	—
393	Musical instruments and parts	39.0	39.2	38.6	38.7	—	1.6	1.5	1.4	1.3	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.0	40.2	39.6	39.7	40.2	3.7	3.8	3.6	3.6	—
201	Meat products	39.7	40.1	38.7	39.2	(*)	3.6	3.8	3.5	3.5	—
2011	Meat packing plants	40.8	41.1	40.9	41.2	—	3.9	4.1	4.3	4.1	—
2013	Sausages and other prepared meats	40.5	40.8	39.8	40.1	—	—	—	—	—	—
2015	Poultry dressing plants	37.8	38.4	35.6	36.3	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May ^P 1977	June ^P 1977
NONDURABLE GOODS—Continued											
FOOD AND KINDRED PRODUCTS—Continued											
202	Dairy products	\$201.20	\$206.29	\$216.24	\$217.09	\$219.81	\$4.86	\$4.90	\$5.10	\$5.12	\$5.10
2024	Ice cream and frozen desserts	192.23	203.50	206.74	207.33	—	4.83	4.88	5.13	5.02	—
2026	Fluid milk	214.54	216.15	227.48	228.20	—	5.06	5.11	5.17	5.21	—
203	Canned, cured, and frozen foods	160.70	156.71	168.72	166.81	—	4.24	4.19	4.56	4.57	—
2031,6	Canned, cured, and frozen sea foods	130.90	136.70	136.01	136.35	—	3.85	3.84	4.06	4.07	—
2032,3	Canned food, except sea foods	177.24	165.13	182.90	182.28	—	4.51	4.38	4.93	4.90	—
2037	Frozen fruits and vegetables	150.51	146.59	162.43	154.64	—	3.94	3.93	4.23	4.26	—
204	Grain mill products	223.94	228.46	239.64	238.65	243.72	5.22	5.24	5.56	5.55	5.59
2041	Flour and other grain mill products	237.10	247.52	267.72	261.96	—	5.34	5.44	5.82	5.77	—
2042	Prepared feeds for animals and fowls	187.87	194.48	205.11	205.01	—	4.41	4.42	4.77	4.79	—
205	Bakery products	199.92	204.34	208.74	213.64	(*)	5.10	5.16	5.38	5.45	(*)
2051	Bread, cake, and related products	198.51	203.43	206.66	212.46	—	5.09	5.15	5.34	5.42	—
2052	Cookies and crackers	203.66	206.16	213.56	216.45	—	5.13	5.18	5.49	5.55	—
206	Sugar	231.15	235.33	244.62	242.20	—	5.53	5.63	6.07	6.01	—
207	Confectionery and related products	174.49	175.72	187.07	188.16	(*)	4.44	4.46	4.76	4.80	(*)
2071	Confectionery products	166.45	167.70	176.02	177.02	—	4.29	4.30	4.56	4.61	—
208	Beverages	230.11	239.61	254.29	258.26	266.24	5.64	5.83	6.31	6.33	6.40
2082	Malt liquors	339.89	339.21	363.10	363.49	—	7.57	7.78	8.29	8.28	—
2086	Bottled and canned soft drinks	175.92	178.93	182.75	188.02	—	4.42	4.44	4.71	4.76	—
209	Miscellaneous foods and kindred products ..	199.50	202.73	210.82	212.07	211.36	4.75	4.77	5.08	5.11	5.13
21	TOBACCO MANUFACTURES	195.45	199.79	211.30	212.04	218.68	5.13	5.23	5.59	5.58	5.68
211	Cigarettes	222.68	230.44	249.10	246.39	—	5.86	5.97	6.42	6.45	—
212	Cigars	121.06	118.67	122.54	123.58	—	3.12	3.19	3.33	3.34	—
22	TEXTILE MILL PRODUCTS	144.59	146.11	155.19	156.33	158.30	3.57	3.59	3.87	3.86	3.88
221	Weaving mills, cotton	150.54	152.15	160.00	161.99	162.80	3.61	3.64	3.99	3.98	4.00
222	Weaving mills, synthetics	151.66	152.40	165.24	164.41	(*)	3.69	3.69	4.07	4.01	(*)
223	Weaving and finishing mills, wool	153.46	156.29	160.34	161.96	165.64	3.68	3.73	3.93	3.96	4.04
224	Narrow fabric mills	138.38	138.23	144.14	144.51	(*)	3.40	3.43	3.64	3.64	(*)
225	Knitting mills	133.86	133.82	139.03	142.32	(*)	3.45	3.44	3.63	3.64	(*)
2251	Women's hosiery, except socks	117.87	120.46	123.71	126.38	—	3.16	3.17	3.38	3.37	—
2252	Hosiery, nec	122.11	121.79	126.14	130.94	—	3.18	3.18	3.40	3.41	—
2253	Knit outerwear mills	135.20	135.23	135.79	139.09	—	3.53	3.54	3.67	3.67	—
2254	Knit underwear mills	119.13	118.63	125.63	126.63	—	3.16	3.13	3.35	3.35	—
226	Textile finishing, except wool	159.83	160.66	175.56	170.98	172.22	3.87	3.89	4.17	4.14	4.14
227	Floor covering mills	146.69	154.46	167.20	166.03	—	3.64	3.74	4.00	4.02	—
228	Yarn and thread mills	136.35	137.83	148.88	149.14	152.99	3.35	3.37	3.64	3.62	3.66
229	Miscellaneous textile goods	158.30	159.90	169.68	174.70	(*)	3.88	3.90	4.20	4.23	(*)
23	APPAREL AND OTHER TEXTILE PRODUCTS	121.00	122.06	124.95	126.38	130.68	3.38	3.40	3.57	3.57	3.63
231	Men's and boys' suits and coats	146.65	153.41	154.88	157.76	(*)	4.04	4.18	4.40	4.37	(*)
232	Men's and boys' furnishings	112.91	112.55	113.05	114.95	(*)	3.06	3.05	3.23	3.22	(*)
2321	Men's and boys' shirts and nightwear	111.37	110.33	107.80	109.90	—	3.01	2.99	3.18	3.14	—
2327	Men's and boys' separate trousers	114.82	115.13	111.11	114.08	—	3.12	3.12	3.23	3.25	—
2328	Men's and boys' work clothing	111.60	110.63	115.16	115.97	—	3.00	2.99	3.19	3.16	—
233	Women's and misses' outerwear	115.20	117.23	120.52	119.85	(*)	3.47	3.51	3.63	3.61	(*)
2331	Women's and misses' blouses and waists	110.20	113.55	117.57	119.00	—	3.27	3.33	3.52	3.50	—
2335	Women's and misses' dresses	113.63	113.53	119.64	117.57	—	3.54	3.57	3.67	3.64	—
2337	Women's and misses' suits and coats	129.81	134.34	131.78	132.68	—	3.91	4.01	4.08	4.07	—
2339	Women's and misses' outerwear, nec	112.75	114.37	118.68	118.34	—	3.24	3.24	3.46	3.43	—
234	Women's and children's undergarments	112.89	114.50	118.17	120.41	122.76	3.11	3.12	3.31	3.29	3.30
2341	Women's and children's underwear	109.32	110.83	114.20	116.02	—	3.02	3.02	3.19	3.17	—
2342	Corsets and allied garments	124.81	126.98	131.67	136.16	—	3.41	3.46	3.73	3.71	—
235	Hats, caps, and millinery	113.63	112.65	112.68	112.17	—	3.03	3.02	3.13	3.09	—
236	Children's outerwear	112.22	113.52	114.43	115.76	(*)	3.10	3.11	3.26	3.27	(*)
2361	Children's dresses and blouses	109.43	110.49	111.49	115.02	—	3.10	3.13	3.26	3.24	—
237,8	Fur goods and miscellaneous apparel	125.22	123.50	127.45	130.66	—	3.44	3.44	3.55	3.57	—
239	Miscellaneous fabricated textile products	147.46	147.07	153.85	157.38	(*)	3.84	3.85	4.07	4.12	(*)
2391,2	Housefurnishings	116.25	115.69	119.82	123.46	—	3.10	3.11	3.31	3.31	—
26	PAPER AND ALLIED PRODUCTS	225.68	229.61	247.81	247.66	253.58	5.31	5.39	5.79	5.80	5.87
261,2,6	Paper and pulp mills	264.33	269.34	295.55	292.58	299.70	5.94	6.08	6.51	6.56	6.66
263	Paperboard mills	266.20	272.45	302.62	299.71	(*)	6.05	6.15	6.77	6.69	(*)
264	Miscellaneous converted paper products	198.58	200.31	209.90	211.23	214.95	4.82	4.85	5.17	5.19	5.23
2643	Bags, except textile bags	186.76	192.51	203.86	202.95	—	4.60	4.65	4.96	4.95	—
265	Paperboard containers and boxes	199.89	202.52	217.15	221.45	225.99	4.84	4.88	5.22	5.26	5.33
2651,2	Folding and setup paperboard boxes	189.72	193.34	202.28	204.82	—	4.65	4.67	4.97	5.02	—
2653	Corrugated and solid fiber boxes	210.31	212.80	231.84	236.43	—	5.08	5.14	5.52	5.55	—
2654	Sanitary food containers	193.77	195.00	204.40	210.94	—	4.57	4.61	4.89	4.94	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May P 1977	June P 1977	May 1976	June 1976	Apr. 1977	May P 1977	June P 1977
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.4	42.1	42.4	42.4	43.1	4.0	4.3	4.4	4.3	—
2024	Ice cream and frozen desserts	39.8	41.7	40.3	41.3	—	—	—	—	—	—
2026	Fluid milk	42.4	42.3	44.0	43.8	—	—	—	—	—	—
203	Canned, cured, and frozen foods	37.9	37.4	37.0	36.5	—	2.8	2.8	2.4	2.4	—
2031,6	Canned, cured, and frozen sea foods	34.0	35.6	33.5	33.5	—	—	—	—	—	—
2032,3	Canned food, except sea foods	39.3	37.7	37.1	37.2	—	—	—	—	—	—
2037	Frozen fruits and vegetables	38.2	37.3	38.4	36.3	—	—	—	—	—	—
204	Grain mill products	42.9	43.6	43.1	43.0	43.6	5.4	5.7	5.5	5.4	—
2041	Flour and other grain mill products	44.4	45.5	46.0	45.4	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	42.6	44.0	43.0	42.8	—	—	—	—	—	—
205	Bakery products	39.2	39.6	38.8	39.2	(*)	3.3	3.7	3.3	3.5	—
2051	Bread, cake, and related products	39.0	39.5	38.7	39.2	—	—	—	—	—	—
2052	Cookies and crackers	39.7	39.8	38.9	39.0	—	—	—	—	—	—
206	Sugar	41.8	41.8	40.3	40.3	—	3.2	3.4	2.1	2.0	—
207	Confectionery and related products	39.3	39.4	39.3	39.2	(*)	2.3	2.3	2.3	2.5	—
2071	Confectionery products	38.8	39.0	38.6	38.4	—	—	—	—	—	—
208	Beverages	40.8	41.1	40.3	40.8	41.6	4.3	4.3	4.1	4.3	—
2082	Malt liquors	44.9	43.6	43.8	43.9	—	—	—	—	—	—
2086	Bottled and canned soft drinks	39.8	40.3	38.8	39.5	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	42.0	42.5	41.5	41.5	41.2	4.4	4.9	4.2	4.1	—
21	TOBACCO MANUFACTURES	38.1	38.2	37.8	38.0	38.5	1.4	1.4	1.7	1.8	—
211	Cigarettes	38.0	38.6	38.8	38.2	—	1.5	1.5	2.0	2.1	—
212	Cigars	38.8	37.2	36.8	37.0	—	1.5	1.5	.6	.7	—
22	TEXTILE MILL PRODUCTS	40.5	40.7	40.1	40.5	40.8	3.6	3.6	3.3	3.7	—
221	Weaving mills, cotton	41.7	41.8	40.1	40.7	40.7	4.5	4.4	3.5	3.8	—
222	Weaving mills, synthetics	41.1	41.3	40.6	41.0	(*)	3.9	3.8	2.7	3.6	—
223	Weaving and finishing mills, wool	41.7	41.9	40.8	40.9	41.0	3.9	4.1	2.8	3.5	—
224	Narrow fabric mills	40.7	40.3	39.6	39.7	(*)	3.7	3.6	2.8	3.1	—
225	Knitting mills	38.8	38.9	38.3	39.1	(*)	2.8	2.7	2.8	3.1	—
2251	Women's hosiery, except socks	37.3	38.0	36.6	37.5	—	—	—	—	—	—
2252	Hosiery, nec	38.4	38.3	37.1	38.4	—	—	—	—	—	—
2253	Knit outerwear mills	38.3	38.2	37.0	37.9	—	—	—	—	—	—
2254	Knit underwear mills	37.7	37.9	37.5	37.8	—	—	—	—	—	—
226	Textile finishing, except wool	41.3	41.3	42.1	41.3	41.6	4.0	4.2	4.4	4.2	—
227	Floor covering mills	40.3	41.3	41.8	41.3	—	3.4	3.6	4.5	4.0	—
228	Yarn and thread mills	40.7	40.9	40.9	41.2	41.8	3.7	3.7	3.6	4.0	—
229	Miscellaneous textile goods	40.8	41.0	40.4	41.3	(*)	3.5	3.6	3.5	4.2	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.8	35.9	35.0	35.4	36.0	1.3	1.3	1.0	1.1	—
231	Men's and boys' suits and coats	36.3	36.7	35.2	36.1	(*)	1.0	1.0	.7	.7	—
232	Men's and boys' furnishings	36.9	36.9	35.0	35.7	(*)	1.3	1.2	.8	1.0	—
2321	Men's and boys' shirts and nightwear	37.0	36.9	33.9	35.0	—	1.2	1.2	.7	.7	—
2327	Men's and boys' separate trousers	36.8	36.9	34.4	35.1	—	1.4	1.2	.9	.9	—
2328	Men's and boys' work clothing	37.2	37.0	36.1	36.7	—	1.2	1.2	.9	1.4	—
233	Women's and misses' outerwear	33.2	33.4	33.2	33.2	(*)	1.0	1.0	1.0	.9	—
2331	Women's and misses' blouses and waists	33.7	34.1	33.4	34.0	—	—	—	—	—	—
2335	Women's and misses' dresses	32.1	31.8	32.6	32.3	—	.9	.8	.9	.8	—
2337	Women's and misses' suits and coats	33.2	33.5	32.3	32.6	—	1.1	1.2	.7	.9	—
2339	Women's and misses' outerwear, nec	34.8	35.3	34.3	34.5	—	1.1	1.1	1.3	1.1	—
234	Women's and children's undergarments	36.3	36.7	35.7	36.6	37.2	1.3	1.3	.7	1.2	—
2341	Women's and children's underwear	36.2	36.7	35.8	36.6	—	—	—	—	—	—
2342	Corsets and allied garments	36.6	36.7	35.3	36.7	—	—	—	—	—	—
235	Hats, caps, and millinery	37.5	37.3	36.0	36.3	—	1.5	1.6	1.1	1.2	—
236	Children's outerwear	36.2	36.5	35.1	35.4	(*)	1.4	1.5	.9	1.2	—
2361	Children's dresses and blouses	35.3	35.3	34.2	35.5	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	36.4	35.9	35.9	36.6	—	1.3	1.0	.7	1.2	—
239	Miscellaneous fabricated textile products	38.4	38.2	37.8	38.2	(*)	2.1	2.1	1.7	1.9	—
2391,2	Housefurnishings	37.5	37.2	36.2	37.3	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.5	42.6	42.8	42.7	43.2	4.7	4.7	4.6	4.6	—
261,2,6	Paper and pulp mills	44.5	44.3	45.4	44.6	45.0	6.2	6.2	6.3	6.0	—
263	Paperboard mills	44.0	44.3	44.7	44.8	(*)	6.6	6.5	7.2	6.9	—
264	Miscellaneous converted paper products	41.2	41.3	40.6	40.7	41.1	3.5	3.5	3.1	3.1	—
2643	Bags, except textile bags	40.6	41.4	41.1	41.0	—	—	—	—	—	—
265	Paperboard containers and boxes	41.3	41.5	41.6	42.1	42.4	3.7	3.8	3.4	3.8	—
2651,2	Folding and setup paperboard boxes	40.8	41.4	40.7	40.8	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	41.4	41.4	42.0	42.6	—	4.1	4.2	4.0	4.4	—
2654	Sanitary food containers	42.4	42.3	41.8	42.7	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May ^p 1977	June ^p 1977	May 1976	June 1976	Apr. 1977	May ^p 1977	June ^p 1977
	NONDURABLE GOODS—Continued										
27	PRINTING AND PUBLISHING	\$212.25	\$211.88	\$223.65	\$225.38	\$227.33	\$5.66	\$5.65	\$5.98	\$6.01	\$6.03
271	Newspapers	213.81	216.32	224.74	223.42	(*)	6.27	6.27	6.61	6.61	(*)
272	Periodicals	222.71	215.05	235.74	236.74	—	5.83	5.75	6.22	6.23	—
273	Books	191.00	190.46	201.68	208.46	—	4.86	4.96	5.08	5.16	—
275	Commercial printing	220.00	217.32	231.21	233.53	235.68	5.67	5.63	5.99	6.05	6.09
2751	Commercial printing, except lithographic	214.34	209.83	223.29	223.27	—	5.51	5.45	5.83	5.86	—
2752	Commercial printing, lithographic	229.63	228.86	244.44	248.82	—	5.98	5.96	6.30	6.38	—
278	Blankbooks and bookbinding	169.17	169.69	180.50	184.16	184.47	4.36	4.34	4.64	4.71	4.67
274,6,7,9	Other publishing and printing ind	216.58	217.88	226.86	231.21	235.98	5.64	5.63	5.97	5.99	6.02
28	CHEMICALS AND ALLIED PRODUCTS	240.86	242.94	262.71	262.29	266.07	5.79	5.84	6.27	6.29	6.35
281	Industrial chemicals	271.55	273.65	299.90	298.70	304.31	6.45	6.50	7.04	7.03	7.11
2812	Alkalies and chlorine	261.46	275.20	317.58	320.29	—	6.27	6.40	7.42	7.38	—
2818	Industrial organic chemicals, nec	303.30	302.60	329.95	321.73	—	7.07	7.12	7.62	7.57	—
2819	Industrial inorganic chemicals, nec	252.34	255.03	283.33	285.69	—	6.11	6.19	6.73	6.77	—
282	Plastics materials and synthetics	236.14	238.78	257.88	256.06	(*)	5.69	5.74	6.14	6.17	(*)
2821	Plastics materials and resins	259.42	260.89	276.62	277.34	—	5.95	5.97	6.33	6.42	—
2823,4	Synthetic fibers	213.73	215.74	234.36	230.92	—	5.33	5.38	5.73	5.73	—
283	Drugs	222.50	224.00	236.47	238.14	240.17	5.44	5.45	5.81	5.88	5.93
2834	Pharmaceutical preparations	217.06	218.94	230.45	231.95	—	5.32	5.34	5.69	5.77	—
284	Soap, cleaners, and toilet goods	225.33	226.55	241.40	245.22	248.87	5.55	5.58	5.99	6.04	6.07
2841	Soap and other detergents	294.42	298.91	318.02	321.14	—	7.01	7.10	7.59	7.61	—
2844	Toilet preparations	187.38	186.91	191.88	197.00	—	4.72	4.72	4.92	5.00	—
285	Paints and allied products	227.39	225.72	236.87	240.95	(*)	5.44	5.40	5.82	5.82	(*)
287	Agricultural chemicals	215.56	217.75	242.44	242.30	(*)	5.06	5.16	5.51	5.57	(*)
2871,2	Fertilizers, complete and mixing only	201.71	203.52	231.54	227.76	—	4.68	4.80	5.10	5.20	—
286,9	Other chemical products	222.89	224.13	243.60	238.05	242.86	5.41	5.44	5.80	5.75	5.81
2892	Explosives	212.80	220.71	231.54	231.24	—	5.32	5.37	5.62	5.64	—
29	PETROLEUM AND COAL PRODUCTS	300.04	300.04	328.79	327.59	331.87	7.11	7.11	7.70	7.69	7.70
291	Petroleum refining	323.95	322.76	361.24	358.70	360.82	7.75	7.74	8.46	8.44	8.47
295,9	Other petroleum and coal products	232.09	236.85	239.25	241.96	(*)	5.36	5.42	5.59	5.64	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC	176.58	177.39	207.46	207.14	211.46	4.36	4.38	5.06	5.04	5.12
301	Tires and inner tubes	250.40	249.79	322.99	313.40	(*)	5.73	5.69	7.13	6.98	(*)
302,3,6	Other rubber products	185.54	186.24	203.09	203.59	(*)	4.57	4.61	4.99	4.99	(*)
302	Rubber footwear	125.17	124.49	130.31	131.04	—	3.42	3.42	3.58	3.59	—
307	Miscellaneous plastics products	165.22	166.03	174.76	176.84	179.38	4.11	4.13	4.38	4.41	4.44
31	LEATHER AND LEATHER PRODUCTS	131.33	129.65	132.49	135.40	138.30	3.42	3.43	3.61	3.63	3.63
311	Leather tanning and finishing	180.45	177.12	183.85	189.21	(*)	4.50	4.53	4.69	4.79	(*)
314	Footwear, except rubber	125.84	123.23	125.58	128.04	131.51	3.26	3.26	3.45	3.47	3.47
312,3,5,7,9	Other leather products	127.19	129.75	131.04	135.39	137.20	3.41	3.46	3.60	3.62	3.62
316	Luggage	129.17	128.50	136.88	140.22	—	3.51	3.54	3.74	3.80	—
317	Handbags and personal leather goods	123.46	125.87	122.50	131.35	—	3.31	3.33	3.49	3.55	—
—	TRANSPORTATION AND PUBLIC UTILITIES	252.41	256.80	271.32	273.20	274.32	6.39	6.42	6.80	6.83	6.79
4011	RAILROAD TRANSPORTATION: Class I railroads ²	293.09	306.43	312.91	(*)	—	6.88	6.84	7.21	(*)	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	214.67	217.62	223.26	232.47	—	5.34	5.40	5.71	5.74	—
413	Intercity highway transportation	266.56	263.89	290.32	283.02	—	6.80	6.89	7.24	7.22	—
42	TRUCKING AND WAREHOUSING	258.73	264.31	273.76	278.64	—	6.42	6.51	6.81	6.88	—
421,3	Trucking and trucking terminals	264.62	270.25	280.78	286.12	—	6.55	6.64	6.95	7.03	—
422	Public warehousing	182.91	183.69	189.50	192.15	—	4.69	4.71	5.00	5.03	—
46	PIPE LINE TRANSPORTATION	305.78	303.32	351.88	343.18	—	7.44	7.38	8.26	8.21	—
48	COMMUNICATION	236.23	236.84	263.07	262.68	—	6.12	6.12	6.66	6.65	—
481	Telephone communication	238.46	239.09	267.70	266.90	—	6.21	6.21	6.76	6.74	—
4817	Switchboard operating employees ³	177.89	177.07	198.70	200.90	—	5.31	5.27	5.81	5.84	—
4818	Line construction employees ⁴	298.16	303.12	340.49	342.14	—	7.15	7.20	7.90	7.92	—
482	Telegraph communication ⁵	254.81	254.62	287.87	293.02	—	6.23	6.18	6.92	6.96	—
483	Radio and television broadcasting	227.95	227.95	245.55	246.09	—	5.83	5.83	6.28	6.31	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	MayP 1977	JuneP 1977	May 1976	June 1976	Apr. 1977	MayP 1977	JuneP 1977
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	37.5	37.5	37.4	37.5	37.7	2.5	2.4	2.6	2.6	—
271	Newspapers	34.1	34.5	34.0	33.8	(*)	1.6	1.7	1.8	1.7	—
272	Periodicals	38.2	37.4	37.9	38.0	—	2.8	2.2	3.0	2.7	—
273	Books	39.3	38.4	39.7	40.4	—	3.1	2.3	3.8	4.5	—
275	Commercial printing	38.8	38.6	38.6	38.6	38.7	3.1	2.9	3.0	3.0	—
2751	Commercial printing, except lithographic	38.9	38.5	38.3	38.1	—	3.2	3.0	2.8	2.6	—
2752	Commercial printing, lithographic	38.4	38.4	38.8	39.0	—	2.9	2.8	3.2	3.4	—
278	Blankbooks and bookbinding	38.8	39.1	38.9	39.1	39.5	2.0	2.2	2.3	2.5	—
274,6,7,9	Other publishing and printing ind	38.4	38.7	38.0	38.6	39.2	2.3	2.4	2.1	2.4	—
28	CHEMICALS AND ALLIED PRODUCTS	41.6	41.6	41.9	41.7	41.9	3.2	3.3	3.6	3.3	—
281	Industrial chemicals	42.1	42.1	42.6	42.4	42.8	3.5	3.8	4.1	3.5	—
2812	Alkalies and chlorine	41.7	43.0	42.8	43.4	—	—	—	—	—	—
2818	Industrial organic chemicals, nec	42.9	42.5	43.3	42.5	—	3.7	3.7	4.1	3.4	—
2819	Industrial inorganic chemicals, nec.	41.3	41.2	42.1	42.2	—	3.0	3.6	3.5	3.4	—
282	Plastics materials and synthetics	41.5	41.6	42.0	41.5	(*)	2.8	2.9	3.4	3.3	—
2821	Plastics materials and resins	43.6	43.7	43.7	43.2	—	4.7	4.6	4.5	4.2	—
2823,4	Synthetic fibers	40.1	40.1	40.9	40.3	—	1.5	1.7	2.6	2.8	—
283	Drugs	40.9	41.1	40.7	40.5	40.5	2.9	2.8	2.8	2.5	—
2834	Pharmaceutical preparations	40.8	41.0	40.5	40.2	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.6	40.6	40.3	40.6	41.0	2.7	2.9	2.4	2.6	—
2841	Soap and other detergents	42.0	42.1	41.9	42.2	—	—	—	—	—	—
2844	Toilet preparations	39.7	39.6	39.0	39.4	—	—	—	—	—	—
285	Paints and allied products	41.8	41.8	40.7	41.4	(*)	4.1	3.8	3.1	3.6	—
287	Agricultural chemicals	42.6	42.2	44.0	43.5	(*)	4.9	3.9	6.2	5.4	—
2871,2	Fertilizers, complete and mixing only ..	43.1	42.4	45.4	43.8	—	—	—	—	—	—
286,9	Other chemical products	41.2	41.2	42.0	41.4	41.8	3.0	3.0	3.8	3.3	—
2892	Explosives	40.0	41.1	41.2	41.0	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	42.2	42.2	42.7	42.6	43.1	3.2	3.7	3.7	3.9	—
291	Petroleum refining	41.8	41.7	42.7	42.5	42.6	2.5	2.9	3.4	3.4	—
295,9	Other petroleum and coal products	43.3	43.7	42.8	42.9	(*)	5.3	5.9	4.5	5.1	—
30	RUBBER AND PLASTICS PRODUCTS, NEC ..	40.5	40.5	41.0	41.1	41.3	3.1	3.4	3.6	3.5	—
301	Tires and inner tubes	43.7	43.9	45.3	44.9	(*)	5.0	4.7	6.2	5.5	—
302,3,6	Other rubber products	40.6	40.4	40.7	40.8	(*)	2.6	3.4	3.3	3.2	—
302	Rubber footwear	36.6	36.4	36.4	36.5	—	1.3	.4	1.1	1.1	—
307	Miscellaneous plastics products	40.2	40.2	39.9	40.1	40.4	3.2	3.2	3.0	3.1	—
31	LEATHER AND LEATHER PRODUCTS	38.4	37.8	36.7	37.3	38.1	2.0	2.0	1.4	1.9	—
311	Leather tanning and finishing	40.1	39.1	39.2	39.5	(*)	3.4	2.9	2.9	3.1	—
314	Footwear, except rubber	38.6	37.8	36.4	36.9	37.9	1.9	1.8	1.2	1.6	—
312,3,5,7,9	Other leather products	37.3	37.5	36.4	37.4	37.9	1.7	2.1	1.5	2.0	—
316	Luggage	36.8	36.3	36.6	36.9	—	2.1	1.8	2.2	2.5	—
317	Handbags and personal leather goods ..	37.3	37.8	35.1	37.0	—	1.7	2.4	1.1	1.9	—
—	TRANSPORTATION AND PUBLIC UTILITIES	39.5	40.0	39.9	40.0	40.4	—	—	—	—	—
4011	RAILROAD TRANSPORTATION: Class I railroads ²	42.6	44.8	43.4	(*)	—	—	—	—	—	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	40.2	40.3	39.1	40.5	—	—	—	—	—	—
413	Intercity highway transportation	39.2	38.3	40.1	39.2	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	40.3	40.6	40.2	40.5	—	—	—	—	—	—
421,3	Trucking and trucking terminals	40.4	40.7	40.4	40.7	—	—	—	—	—	—
422	Public warehousing	39.0	39.0	37.9	38.2	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.1	41.1	42.6	41.8	—	—	—	—	—	—
48	COMMUNICATION	38.6	38.7	39.5	39.5	—	—	—	—	—	—
481	Telephone communication	38.4	38.5	39.6	39.6	—	—	—	—	—	—
4817	Switchboard operating employees ³	33.5	33.6	34.2	34.4	—	—	—	—	—	—
4818	Line construction employees ⁴	41.7	42.1	43.1	43.2	—	—	—	—	—	—
482	Telegraph communication ⁵	40.9	41.2	41.6	42.1	—	—	—	—	—	—
483	Radio and television broadcasting	39.1	39.1	39.1	39.0	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$266.74	\$269.51	\$284.82	\$289.39	-	\$6.49	\$6.51	\$6.93	\$6.99	-
491	Electric companies and systems	266.56	268.45	292.16	295.94	-	6.47	6.50	7.04	7.08	-
492	Gas companies and systems	244.86	244.22	267.32	268.21	-	6.06	6.03	6.52	6.59	-
493	Combination companies and systems	302.22	309.01	308.61	318.06	-	7.30	7.34	7.62	7.72	-
494-7	Water, steam, and sanitary systems	217.15	218.40	228.66	230.45	-	5.22	5.25	5.55	5.58	-
-	WHOLESALE AND RETAIL TRADE	132.33	133.51	140.01	140.77	\$142.46	3.95	3.95	4.23	4.24	\$4.24
50	WHOLESALE TRADE	199.82	199.95	212.08	213.79	213.72	5.15	5.14	5.48	5.51	5.48
501	Motor vehicles and automotive equipment	181.96	184.80	190.32	190.71	-	4.63	4.62	4.88	4.89	-
502	Drugs, chemicals, and allied products	198.69	200.91	227.15	225.79	-	5.37	5.43	5.90	5.88	-
503	Dry goods and apparel	170.86	172.59	180.00	180.58	-	4.72	4.69	5.00	5.03	-
504	Groceries and related products	193.89	194.43	209.28	211.75	-	5.01	5.05	5.45	5.50	-
508	Electrical goods	220.70	219.23	221.16	223.83	-	5.49	5.44	5.70	5.71	-
507	Hardware; plumbing and heating equipment	191.28	191.00	202.40	202.92	-	4.93	4.91	5.23	5.23	-
508	Machinery, equipment, and supplies	219.30	219.05	234.40	236.19	-	5.51	5.49	5.86	5.89	-
509	Miscellaneous wholesalers	198.78	197.63	207.86	210.10	-	5.19	5.16	5.47	5.50	-
52-59	RETAIL TRADE	112.29	114.02	119.07	120.08	121.60	3.52	3.53	3.78	3.80	3.80
53	Retail general merchandise [†]	104.72	106.67	111.30	113.39	-	3.40	3.43	3.71	3.73	-
531	Department stores [†]	107.36	109.29	115.24	117.30	-	3.52	3.56	3.88	3.91	-
532	Mail order houses	141.79	142.80	149.49	151.80	-	4.22	4.25	4.53	4.60	-
533	Variety stores	83.46	85.79	84.39	86.12	-	3.81	2.85	2.89	2.89	-
54	Food stores	138.57	142.66	145.36	149.27	-	4.29	4.31	4.60	4.65	-
541-3	Grocery, meat, and vegetable stores	142.68	146.96	150.25	153.43	-	4.39	4.40	4.71	4.75	-
58	Apparel and accessory stores	95.68	97.60	99.75	99.71	-	3.20	3.20	3.37	3.38	-
581	Men's and boys' clothing and furnishings	122.18	123.44	125.78	125.32	-	3.83	3.81	3.87	3.88	-
582	Women's ready-to-wear stores	84.68	87.02	84.88	86.05	-	2.92	2.92	3.01	3.03	-
588	Family clothing stores	93.02	94.86	100.60	98.97	-	3.06	3.06	3.32	3.31	-
588	Shoe stores	95.04	97.28	105.77	103.53	-	3.30	3.32	3.61	3.62	-
57	Furniture and home furnishings stores	148.63	150.65	154.22	155.73	-	4.14	4.15	4.32	4.35	-
571	Furniture and home furnishings	153.19	154.76	157.60	159.40	-	4.22	4.24	4.39	4.44	-
58	Eating and drinking places [§]	71.68	72.73	79.20	78.93	-	2.56	2.57	2.88	2.87	-
52,56,59	Other retail trade	142.30	144.26	149.92	150.70	-	3.92	3.92	4.13	4.14	-
52	Building materials and farm equipment	157.60	161.20	169.88	171.07	-	4.00	4.00	4.29	4.32	-
581,2	Motor vehicle dealers	193.55	195.23	206.06	205.67	-	4.90	4.93	5.23	5.22	-
583,9	Other automotive and accessory dealers	159.19	158.80	168.82	169.62	-	4.03	4.00	4.21	4.23	-
591	Drug stores and proprietary stores	103.02	105.77	108.46	109.70	-	3.40	3.39	3.51	3.55	-
594	Book and stationery stores	120.24	119.95	125.35	125.65	-	3.60	3.57	3.81	3.89	-
598	Fuel and ice dealers	176.17	174.10	189.60	186.42	-	4.46	4.43	4.80	4.78	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	160.01	158.84	166.16	167.63	166.16	4.36	4.34	4.54	4.58	4.54
60	Banking	135.42	134.32	139.78	140.50	-	3.70	3.67	3.84	3.86	-
61	Credit agencies other than banks	145.49	143.23	151.53	153.85	-	3.89	3.84	4.03	4.07	-
612	Savings and loan associations	142.45	139.08	145.04	148.06	-	3.85	3.80	3.92	3.98	-
62	Security, commodity brokers and services	290.29	285.72	292.60	(*)	-	7.54	7.46	7.70	(*)	-
63	Insurance carriers	169.34	168.14	176.43	179.04	-	4.54	4.52	4.73	4.80	-
631	Life insurance	166.13	164.42	173.63	174.54	-	4.49	4.48	4.68	4.73	-
632	Accident and health insurance	162.21	160.23	171.00	176.10	-	4.28	4.25	4.50	4.61	-
633	Fire, marine, and casualty insurance	173.63	172.04	179.79	183.00	-	4.63	4.60	4.82	4.88	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
-	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.1	41.4	41.1	41.4	-	-	-	-	-	
491	Electric companies and systems	41.2	41.3	41.5	41.8	-	-	-	-	-	
492	Gas companies and systems	40.4	40.5	41.0	40.7	-	-	-	-	-	
493	Combination companies and systems	41.4	42.1	40.5	41.2	-	-	-	-	-	
494-7	Water, steam, and sanitary systems	41.6	41.6	41.2	41.3	-	-	-	-	-	
-	WHOLESALE AND RETAIL TRADE	33.5	33.8	33.1	33.2	33.6	-	-	-	-	
50	WHOLESALE TRADE	38.8	38.9	38.7	38.8	39.0	-	-	-	-	
501	Motor vehicles and automotive equipment	39.3	40.0	39.0	39.0	-	-	-	-	-	
502	Drugs, chemicals, and allied products	37.0	37.0	38.5	38.4	-	-	-	-	-	
503	Dry goods and apparel	36.2	36.8	36.0	35.9	-	-	-	-	-	
504	Groceries and related products	38.7	38.5	38.4	38.5	-	-	-	-	-	
506	Electrical goods	40.2	40.3	38.8	39.2	-	-	-	-	-	
507	Hardware; plumbing and heating equipment	38.8	38.9	38.7	39.2	-	-	-	-	-	
508	Machinery, equipment, and supplies	39.8	39.9	40.0	40.1	-	-	-	-	-	
509	Miscellaneous wholesalers	38.3	38.3	38.0	38.2	-	-	-	-	-	
52-59	RETAIL TRADE	31.9	32.3	31.5	31.6	32.0	-	-	-	-	
53	Retail general merchandise	30.8	31.1	30.0	30.4	-	-	-	-	-	
531	Department stores	30.5	30.7	29.7	30.0	-	-	-	-	-	
532	Mail order houses	33.6	33.6	33.0	33.0	-	-	-	-	-	
533	Variety stores	29.7	30.1	29.2	29.8	-	-	-	-	-	
54	Food stores	32.3	33.1	31.6	32.1	-	-	-	-	-	
541-3	Grocery, meat, and vegetable stores	32.5	33.4	31.9	32.3	-	-	-	-	-	
56	Apparel and accessory stores	29.9	30.5	29.6	29.5	-	-	-	-	-	
561	Men's and boys' clothing and furnishings	31.9	32.4	32.5	32.3	-	-	-	-	-	
562	Women's ready-to-wear stores	29.0	29.8	28.2	28.4	-	-	-	-	-	
565	Family clothing stores	30.4	31.0	30.3	29.9	-	-	-	-	-	
566	Shoe stores	28.8	29.3	29.3	28.6	-	-	-	-	-	
57	Furniture and home furnishings stores	35.9	36.3	35.7	35.8	-	-	-	-	-	
571	Furniture and home furnishings	36.3	36.5	35.9	35.9	-	-	-	-	-	
58	Eating and drinking places ⁶	28.0	28.3	27.5	27.5	-	-	-	-	-	
52,55,59	Other retail trade	36.3	36.8	36.3	36.4	-	-	-	-	-	
52	Building materials and farm equipment	39.4	40.3	39.6	39.6	-	-	-	-	-	
551,2	Motor vehicle dealers	39.5	39.6	39.4	39.4	-	-	-	-	-	
553,9	Other automotive and accessory dealers	39.5	39.7	40.1	40.1	-	-	-	-	-	
591	Drug stores and proprietary stores	30.3	31.2	30.9	30.9	-	-	-	-	-	
594	Book and stationery stores	33.4	33.6	32.9	32.3	-	-	-	-	-	
598	Fuel and ice dealers	39.5	39.3	39.5	39.0	-	-	-	-	-	
-	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.7	36.6	36.6	36.6	36.6	-	-	-	-	
60	Banking	36.6	36.6	36.4	36.4	-	-	-	-	-	
61	Credit agencies other than banks	37.4	37.3	37.6	37.8	-	-	-	-	-	
612	Savings and loan associations	37.0	36.6	37.0	37.2	-	-	-	-	-	
62	Security, commodity brokers and services	38.5	38.3	38.0	(*)	-	-	-	-	-	
63	Insurance carriers	37.3	37.2	37.3	37.3	-	-	-	-	-	
631	Life insurance	37.0	36.7	37.1	36.9	-	-	-	-	-	
632	Accident and health insurance	37.9	37.7	37.7	38.0	-	-	-	-	-	
633	Fire, marine, and casualty insurance	37.5	37.4	37.3	37.5	-	-	-	-	-	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		May 1976	June 1976	Apr. 1977	May 1977 ^p	June 1977 ^p	May 1976	June 1976	Apr. 1977	May 1977 ^p	June 1977 ^p
-	SERVICES	\$144.96	\$145.82	\$154.51	\$155.51	\$155.78	\$4.34	\$4.34	\$4.64	\$4.67	\$4.65
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	96.28	96.34	99.18	101.71	-	2.99	3.02	3.22	3.26	-
	Personal services:										
721	Laundries and dry cleaning plants	113.72	114.75	120.41	121.80	-	3.24	3.26	3.46	3.47	-
722	Photographic studios	116.62	116.88	124.33	123.91	-	3.44	3.51	3.87	3.86	-
	Motion pictures:										
781	Motion picture filming and distributing ...	259.10	267.49	271.65	281.12	-	6.51	6.54	7.13	7.34	-
806	Hospitals	140.83	144.14	155.38	155.94	-	4.13	4.19	4.57	4.60	-

¹ For coverage of series, see footnote 1, table B-2.

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 or more.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1975, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft

persons; and laborers. In 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice sales agents excluded from all series in this division.

[†] Beginning February 1977 data not strictly comparable with those previously published, due to change in pay practices of a large employer.

* Not available.

** Corrected data for March 1977 are: Transportation equipment (SIC 37)—\$296.80 and \$7.00; Aircraft and parts (SIC 372)—\$282.31 and \$6.77.

^p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P
—	SERVICES	33.4	33.6	33.3	33.3	33.5	—	—	—	— ¹	—
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	32.2	31.9	30.8	31.2	—	—	—	—	—	—
	Personal services:										
721	Laundries and dry cleaning plants	35.1	35.2	34.8	35.1	—	—	—	—	—	—
722	Photographic studios	33.9	33.3	32.1	32.1	—	—	—	—	—	—
	Motion pictures:										
781	Motion picture filming and distributing	39.8	40.9	38.1	38.3	—	—	—	—	—	—
806	Hospitals	34.1	34.4	34.0	33.9	—	—	—	—	—	—

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1976										1977			
	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	
Executive Branch														
Total employment	2,681.2	2,686.0	2,707.8	2,724.1	2,704.2	2,668.0	2,661.1	2,670.3	2,674.4	2,645.8	2,654.9	2,662.8	2,664.0	
Average weekly hours	39.2	39.2	39.3	39.6	39.4	39.3	39.3	39.6	40.4	39.4	39.5	39.3	39.2	
Average overtime hours . . . . .	.8	.9	.9	1.0	1.0	1.1	1.4	1.2	2.0	1.0	1.0	.9	.9
Indexes (1967=100):														
Average weekly earnings	195.5	196.6	195.7	196.1	196.5	199.5	209.7	208.6	215.9	208.9	209.2	208.7	208.7	
Average hourly earnings	196.5	197.6	196.2	195.1	196.5	200.0	207.0	207.6	210.5	208.9	208.6	209.2	209.7	
Department of Defense														
Total employment	930.7	930.2	936.7	938.5	929.3	917.2	918.0	920.4	919.6	918.4	917.6	918.4	917.4	
Average weekly hours	39.8	39.8	40.0	40.1	40.0	39.9	39.9	40.2	40.0	39.9	40.0	39.9	39.6	
Average overtime hours . . . . .	.5	.6	.7	.6	.7	.9	.8	.8	.7	.7	.7	.7	.7
Indexes (1967=100):														
Average weekly earnings	191.1	-	191.2	188.2	191.5	195.1	201.5	204.4	203.7	202.3	204.2	203.9	204.3	
Average hourly earnings	193.5	-	192.6	189.1	192.9	197.0	203.5	204.9	205.2	204.4	205.7	206.0	207.9	
Postal service														
Total employment	670.3	670.6	672.8	670.7	667.8	662.8	657.9	664.9	685.7	650.0	649.9	652.3	650.7	
Average weekly hours	39.2	39.3	39.0	39.7	39.4	39.6	42.1	40.6	43.8	40.4	40.4	39.6	39.7	
Average overtime hours	1.0	1.1	.9	1.0	1.1	1.4	2.9	2.2	5.5	1.9	1.4	1.2	1.2	
Indexes (1967=100):														
Average weekly earnings	219.8	223.2	220.9	224.5	223.8	226.8	243.7	237.6	267.8	240.0	238.0	233.3	234.9	
Average hourly earnings	216.5	219.2	218.6	218.3	219.2	221.0	223.5	225.9	236.0	229.3	227.4	227.4	228.4	
Other agencies														
Total employment	1,080.2	1,085.2	1,098.3	1,114.9	1,107.1	1,088.0	1,085.2	1,085.0	1,069.1	1,077.4	1,087.4	1,092.1	1,095.9	
Average weekly hours	38.7	38.7	38.9	39.1	38.9	38.6	38.7	38.6	38.4	38.2	38.5	38.5	38.6	
Average overtime hours	1.0	1.1	1.1	1.2	1.1	1.2	1.1	1.0	.9	.8	.9	.9	.9	
Indexes (1967=100):														
Average weekly earnings	185.7	186.2	185.4	187.3	185.6	188.6	199.0	197.5	197.4	197.2	197.5	198.2	198.0	
Average hourly earnings	186.1	186.6	184.9	185.9	185.1	189.6	199.5	198.5	199.5	200.2	199.0	199.8	199.0	

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these

averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	May 1976	June 1976	Apr. 1977	May 1977 P	June 1977 P
MANUFACTURING	\$4.93	\$4.96	\$5.31	\$5.34	\$5.37
DURABLE GOODS	5.28	5.31	5.65	5.70	5.72
Ordnance and accessories	5.47	5.46	5.94	6.00	-
Lumber and wood products	4.41	4.56	4.72	4.76	-
Furniture and fixtures	3.83	3.85	4.12	4.12	-
Stone, clay, and glass products	5.00	5.04	5.37	5.42	-
Primary metal industries	6.46	6.48	6.92	7.08	-
Fabricated metal products	5.19	5.21	5.45	5.50	-
Machinery, except electrical	5.49	5.51	5.83	5.86	-
Electrical equipment and supplies	4.69	4.70	5.06	5.10	-
Transportation equipment	6.16	6.18	6.65	6.68	-
Instruments and related products	4.66	4.68	4.98	4.99	-
Miscellaneous manufacturing industries	3.89	3.90	4.17	4.20	-
NONDURABLE GOODS	4.42	4.45	4.81	4.81	4.84
Food and kindred products	4.69	4.70	5.04	5.06	-
Tobacco manufactures	5.04	5.13	5.47	5.45	-
Textile mill products	3.42	3.44	3.71	3.69	-
Apparel and other textile products	3.32	3.34	3.52	3.51	-
Paper and allied products	5.03	5.10	5.49	5.51	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.58	5.61	6.01	6.05	-
Petroleum and coal products	6.85	6.81	7.38	7.36	-
Rubber and plastics products, nec	4.19	4.20	4.85	4.84	-
Leather and leather products	3.33	3.34	3.54	3.55	-

¹ Derived by assuming that overtime hours are paid at the rate of time and one-half.

p = preliminary.

² Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Married worker with 3 dependents		
	May 1976	Apr. 1977	May ^P 1977 ^P	May 1976	Apr. 1977	May ^P 1977 ^P	May 1976	Apr. 1977	May ^P 1977 ^P
TOTAL PRIVATE:									
Current dollars	\$174.36	\$185.40	\$187.36	\$142.51	\$150.48	\$151.89	\$155.04	\$163.35	\$164.82
1967 dollars	103.05	103.23	103.74	84.23	83.79	84.10	91.63	90.95	91.26
MINING:									
Current dollars	269.88	298.52	298.52	211.97	231.86	231.86	227.60	249.35	249.35
1967 dollars	159.50	166.21	165.29	125.28	129.10	128.38	134.52	138.84	138.07
CONTRACT CONSTRUCTION:									
Current dollars	283.09	291.56	296.25	221.41	227.32	230.38	237.67	244.08	247.63
1967 dollars	167.31	162.34	164.04	130.86	126.57	127.56	140.47	135.90	137.12
MANUFACTURING:									
Current dollars	205.82	220.80	224.07	165.22	176.42	178.86	178.69	189.95	192.41
1967 dollars	121.64	122.94	124.07	97.65	98.23	99.04	105.61	105.76	106.54
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	252.41	271.32	273.20	199.49	213.00	214.35	214.09	228.72	230.17
1967 dollars	149.18	151.07	151.27	117.90	118.60	118.69	126.53	127.35	127.45
WHOLESALE AND RETAIL TRADE:									
Current dollars	132.33	140.01	140.77	111.29	117.06	117.63	124.49	129.76	130.27
1967 dollars	78.21	77.96	77.95	65.77	65.18	65.13	73.58	72.25	72.13
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	160.01	166.16	167.63	132.09	136.59	137.66	143.97	148.71	149.85
1967 dollars	94.57	92.52	92.82	78.07	76.05	76.22	85.09	82.80	82.97
SERVICES:									
Current dollars	144.96	154.51	155.51	120.78	127.95	128.71	133.13	139.71	140.49
1967 dollars	85.67	86.03	86.11	71.38	71.24	71.27	78.68	77.79	77.79
CONSUMER PRICE INDEX (All items, 1967 = 100)	169.2	179.6	180.6	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

¹For coverage of series, see footnote 1, table B-2.

p = preliminary (applicable to earnings data only).

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division and major manufacturing group—Continued**

[1967 = 100]

Industry division and group	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
	Hours				
TOTAL	111.3	113.7	113.6	115.2	118.0
GOODS-PRODUCING	96.4	98.9	98.4	100.8	104.0
MINING	124.9	129.3	138.9	139.2	146.2
CONTRACT CONSTRUCTION	103.9	110.9	105.5	113.0	119.0
MANUFACTURING	94.1	95.8	95.8	97.4	99.9
DURABLE GOODS	93.6	95.3	95.9	97.8	100.4
Ordnance and accessories	39.9	40.3	39.9	40.1	40.4
Lumber and wood products	97.3	101.9	101.8	105.0	110.5
Furniture and fixtures	102.9	104.4	103.0	105.2	108.2
Stone, clay, and glass products	100.0	102.7	102.1	105.1	108.5
Primary metal industries	88.1	90.7	89.7	90.9	92.9
Fabricated metal products	98.1	99.9	99.8	102.2	105.4
Machinery, except electrical	94.1	95.2	98.3	99.8	102.1
Electrical equipment and supplies	91.1	92.5	94.9	96.1	98.4
Transportation equipment	93.6	94.6	94.7	97.2	99.2
Instruments and related products	109.0	110.0	110.0	112.1	114.8
Miscellaneous manufacturing	94.6	95.8	92.6	94.2	96.2
NONDURABLE GOODS	94.7	96.5	95.7	96.8	99.2
Food and kindred products	91.4	95.9	90.9	91.7	94.8
Tobacco manufactures	73.5	73.5	70.6	65.9	66.7
Textile mill products	99.0	100.4	98.5	100.1	102.2
Apparel and other textile products	91.4	92.5	86.6	88.4	90.9
Paper and allied products	96.2	98.8	98.3	99.4	102.9
Printing and publishing	92.9	93.0	94.1	94.5	95.2
Chemicals and allied products	99.2	99.9	103.0	102.9	104.9
Petroleum and coal products	113.8	115.6	117.5	120.1	125.5
Rubber and plastics products, nec	106.2	108.4	131.0	132.6	135.2
Leather and leather products	80.3	80.0	72.1	74.1	76.8
SERVICE-PRODUCING	121.6	124.0	124.1	125.2	127.7
TRANSPORTATION AND PUBLIC UTILITIES	101.1	103.2	102.4	103.6	105.9
WHOLESALE AND RETAIL TRADE	117.6	120.0	118.9	120.3	122.7
WHOLESALE TRADE	113.3	115.1	115.5	116.3	118.6
RETAIL TRADE	119.3	121.7	120.1	121.7	124.3
FINANCE, INSURANCE, AND REAL ESTATE	125.8	127.9	130.3	131.3	133.3
SERVICES	135.3	137.9	139.3	140.2	142.9

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division and major manufacturing group—Continued**

[1967 = 100]

Industry division and group	May 1976	June 1976	Apr. 1977	May 1977 ^P	June 1977 ^P
	Payrolls				
TOTAL	200.6	205.7	218.6	223.5	229.2
GOODS-PRODUCING	177.1	183.0	193.2	199.7	207.4
MINING	248.8	256.3	296.1	297.1	312.7
CONTRACT CONSTRUCTION	192.4	204.8	202.2	217.1	229.5
MANUFACTURING	170.4	174.7	187.0	191.5	197.7
DURABLE GOODS	171.2	175.5	187.8	193.7	199.8
Ordnance and accessories	70.5	71.3	76.9	78.1	77.0
Lumber and wood products	189.6	205.3	212.8	221.3	233.5
Furniture and fixtures	173.6	177.7	186.5	191.6	198.3
Stone, clay, and glass products	186.5	192.9	204.9	213.2	222.2
Primary metal industries	177.6	183.8	194.0	201.1	205.7
Fabricated metal products	177.9	182.3	189.9	196.8	205.3
Machinery, except electrical	167.9	170.7	187.0	191.0	197.0
Electrical equipment and supplies	158.4	161.4	178.1	182.1	187.8
Transportation equipment	176.5	179.4	193.4	200.6	205.5
Instruments and related products	184.1	186.2	197.3	202.0	207.1
Miscellaneous manufacturing	160.7	162.9	168.4	172.7	176.4
NONDURABLE GOODS	168.9	173.2	185.5	187.8	194.1
Food and kindred products	169.8	178.9	181.2	183.8	190.4
Tobacco manufactures	166.2	169.5	174.0	162.3	167.1
Textile mill products	171.8	175.1	185.2	187.7	192.8
Apparel and other textile products	152.1	154.9	152.3	155.3	162.5
Paper and allied products	177.9	185.3	198.0	200.8	210.4
Printing and publishing	160.6	160.3	171.5	173.4	175.1
Chemicals and allied products	185.2	187.8	208.0	208.5	214.6
Petroleum and coal products	226.2	229.8	253.1	258.2	270.2
Rubber and plastics products, nec	168.5	172.9	241.4	243.6	252.3
Leather and leather products	132.7	132.7	125.9	130.3	134.8
SERVICE-PRODUCING	220.8	225.3	240.3	243.9	248.0
TRANSPORTATION AND PUBLIC UTILITIES	199.7	204.6	215.1	218.7	222.5
WHOLESALE AND RETAIL TRADE	206.8	211.0	224.0	227.5	231.9
WHOLESALE TRADE	202.9	205.7	220.0	222.7	225.7
RETAIL TRADE	208.9	213.8	226.1	230.0	235.3
FINANCE, INSURANCE, AND REAL ESTATE	212.4	214.7	229.1	232.6	234.5
SERVICES	256.1	261.3	282.3	285.8	290.5

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

ESTABLISHMENT DATA SEASONALLY ADJUSTED HOURS

C-7. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

Industry	1976						1977						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL PRIVATE	36.1	36.1	36.1	36.0	36.1	36.2	36.2	35.8	36.3	36.3	36.2	36.3	36.2
MINING	42.2	42.6	41.2	43.5	43.3	43.3	43.7	42.9	43.6	44.4	44.4	43.8	43.6
CONTRACT CONSTRUCTION	37.3	36.9	36.8	35.9	37.3	37.4	37.3	35.4	37.8	37.1	37.3	37.4	36.7
MANUFACTURING	40.2	40.1	40.0	39.7	39.9	40.1	40.0	39.5	40.3	40.4	40.3	40.4	40.5
<i>Overtime hours</i>	3.2	3.1	3.0	3.0	2.9	3.1	3.2	3.2	3.3	3.3	3.4	3.4	3.4
DURABLE GOODS	40.9	40.9	40.8	40.2	40.5	40.8	40.5	40.0	40.8	41.0	40.8	41.0	41.3
<i>Overtime hours</i>	3.4	3.3	3.1	3.0	3.0	3.2	3.3	3.4	3.3	3.4	3.6	3.6	3.7
Ordnance and accessories	41.1	40.9	40.7	40.1	40.6	40.6	41.0	40.5	40.6	40.6	41.2	41.1	41.1
Lumber and wood products	39.8	40.6	40.2	39.8	40.3	40.3	40.3	39.9	40.5	40.1	40.0	40.0	39.9
Furniture and fixtures	38.6	38.6	38.5	38.0	38.4	38.6	38.6	37.0	38.1	38.6	38.4	38.7	38.4
Stone, clay, and glass products	41.4	41.0	41.1	40.9	41.4	41.2	41.2	39.9	41.4	41.4	41.4	41.8	41.9
Primary metal industries	41.2	41.2	40.9	40.3	40.2	40.3	40.1	40.0	40.6	41.1	41.5	41.5	41.6
Fabricated metal products	41.0	41.0	41.0	40.6	40.4	40.8	40.5	39.9	40.8	41.0	40.7	40.9	41.3
Machinery, except electrical	41.2	41.5	41.4	40.8	41.2	41.5	41.2	40.6	41.3	41.5	41.3	41.6	41.9
Electrical equipment and supplies	40.1	40.1	40.1	39.7	40.0	40.3	40.2	39.4	40.6	40.3	40.0	40.1	40.4
Transportation equipment	42.5	42.0	41.9	41.1	41.2	42.0	41.1	41.4	41.4	42.8	41.9	42.6	43.0
Instruments and related products	40.5	40.8	40.4	39.9	40.3	40.4	40.7	39.8	40.8	40.4	40.1	40.5	40.8
Miscellaneous manufacturing, Ind.	38.5	38.8	38.5	38.2	38.7	39.0	38.9	38.2	39.5	39.3	38.9	39.1	39.2
NONDURABLE GOODS	39.3	39.1	38.9	39.0	39.1	39.2	39.3	38.7	39.6	39.5	39.5	39.5	39.6
<i>Overtime hours</i>	2.9	2.9	2.8	2.9	2.8	3.0	3.1	3.0	3.2	3.1	3.2	3.1	3.0
Food and kindred products	40.1	40.0	40.1	40.2	40.3	40.4	40.1	39.5	40.3	40.2	40.3	39.9	40.1
Tobacco manufactures	38.3	35.0	36.8	37.1	37.5	36.9	37.5	36.1	39.4	38.4	38.3	38.5	38.6
Textile mill products	40.3	40.2	39.3	39.0	39.4	39.8	40.1	39.7	40.5	40.8	40.5	40.6	40.4
Apparel and other textile products	35.8	35.5	35.2	34.9	35.0	35.1	35.3	34.2	35.7	35.6	35.1	35.6	35.9
Paper and allied products	42.4	42.3	42.1	42.2	42.1	42.4	42.6	41.9	42.7	42.8	43.3	43.0	43.0
Printing and publishing	37.5	37.7	37.5	37.4	37.5	37.6	37.7	37.4	37.9	37.7	37.7	37.6	37.7
Chemicals and allied products	41.5	41.4	41.3	41.9	41.6	41.7	41.7	41.6	41.7	41.8	41.9	41.7	41.8
Petroleum and coal products	42.0	42.2	42.3	42.2	42.0	41.9	42.5	42.3	42.5	43.0	42.7	42.6	42.9
Rubber and plastics products, nec	40.3	40.3	40.0	40.5	41.1	41.2	41.5	40.9	41.4	41.2	41.2	41.3	41.1
Leather and leather products	37.0	37.0	36.7	36.5	36.4	36.4	36.5	35.3	36.7	36.4	37.4	37.1	37.3
TRANSPORTATION AND PUBLIC UTILITIES	39.8	39.8	40.0	39.9	39.8	40.2	40.5	39.8	40.5	40.3	40.1	40.2	40.2
WHOLESALE AND RETAIL TRADE	33.5	33.6	33.6	33.6	33.5	33.4	33.6	33.2	33.4	33.5	33.5	33.5	33.2
WHOLESALE TRADE	38.8	39.1	38.9	38.8	38.7	38.7	38.6	38.7	39.1	38.9	39.0	38.8	38.9
RETAIL TRADE	31.9	32.0	32.0	32.1	32.0	31.9	32.2	31.6	31.8	31.9	31.9	31.9	31.6
FINANCE, INSURANCE, AND REAL ESTATE	36.6	36.6	36.8	36.7	36.7	36.7	36.7	36.8	36.6	36.7	36.6	36.7	36.6
SERVICES	33.4	33.4	33.5	33.6	33.5	33.5	33.5	33.5	33.6	33.5	33.5	33.5	33.3

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-8. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1976						1977						
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
Average hourly earnings													
TOTAL PRIVATE	\$4.85	\$4.88	\$4.91	\$4.92	\$4.95	\$5.00	\$5.02	\$5.07	\$5.09	\$5.12	\$5.17	\$5.20	\$5.21
MINING	6.33	6.44	6.34	6.60	6.62	6.62	6.67	6.67	6.72	6.78	6.79	6.81	6.83
CONTRACT CONSTRUCTION	7.68	7.77	7.74	7.71	7.76	7.81	7.82	7.82	7.88	7.90	7.95	7.95	8.03
MANUFACTURING	5.16	5.21	5.25	5.29	5.29	5.34	5.38	5.43	5.43	5.49	5.53	5.57	5.60
TRANSPORTATION AND PUBLIC UTILITIES	6.47	6.48	6.52	6.54	6.58	6.62	6.64	6.69	6.74	6.75	6.83	6.88	6.84
WHOLESALE AND RETAIL TRADE	3.95	3.98	4.00	4.03	4.05	4.08	4.11	4.15	4.18	4.19	4.23	4.23	4.24
FINANCE, INSURANCE, AND REAL ESTATE	4.34	4.37	4.43	4.39	4.43	4.42	4.43	4.51	4.48	4.50	4.53	4.58	4.54
SERVICES	4.36	4.35	4.39	4.39	4.43	4.48	4.50	4.58	4.58	4.61	4.64	4.67	4.67
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	175.09	176.17	177.25	177.12	178.70	181.00	181.72	181.51	184.77	185.86	187.15	188.76	188.60
1967 dollars	102.87	103.02	103.17	102.74	103.29	104.32	104.32	103.37	104.21	104.18	104.09	104.34	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	91.42	91.47	91.51	91.14	91.51	92.24	92.18	91.36	91.86	91.75	91.58	91.69	-

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

(1967 = 100)

Industry division and group	1976							1977					
	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May ^P	June ^P
TOTAL	111.6	111.8	111.8	112.2	112.2	112.8	113.3	112.3	114.2	115.2	115.6	116.1	115.7
GOODS-PRODUCING	96.8	96.5	95.7	95.9	96.0	97.2	96.9	95.2	98.3	100.0	100.9	101.7	101.7
MINING	125.0	127.7	115.6	131.7	131.1	132.6	134.0	130.7	134.6	141.5	142.2	139.2	141.1
CONTRACT CONSTRUCTION	104.0	103.7	102.5	99.4	104.2	105.7	104.3	96.4	105.9	108.1	112.0	113.0	111.7
MANUFACTURING	94.6	94.2	93.9	94.0	93.2	94.5	94.4	93.8	95.7	97.1	97.5	98.4	98.6
DURABLE GOODS	93.8	93.5	93.6	93.2	92.0	93.8	93.6	93.2	94.8	96.8	96.8	98.1	98.7
Ordnance and accessories	40.7	40.0	39.8	38.6	38.5	38.5	39.5	39.0	39.1	38.5	40.8	41.3	40.7
Lumber and wood products	96.1	98.6	97.6	98.2	99.4	100.8	101.9	101.1	103.0	103.4	104.1	104.3	104.2
Furniture and fixtures	103.3	102.3	101.2	102.4	102.2	102.8	103.5	98.5	102.7	105.3	106.0	107.4	106.8
Stone, clay, and glass products	99.7	99.2	98.6	98.9	99.7	100.2	99.1	96.1	97.1	101.5	104.1	104.7	105.4
Primary metal industries	89.2	90.1	89.8	88.8	86.2	85.7	85.0	84.8	85.5	88.5	90.0	90.9	91.2
Fabricated metal products	98.4	98.0	98.6	98.6	96.5	98.1	98.1	97.6	100.0	101.6	101.0	102.7	103.8
Machinery, except electrical	94.5	95.9	95.9	95.9	94.0	96.7	96.0	95.7	97.7	98.6	98.3	100.7	101.5
Electrical equipment and supplies	91.9	90.5	92.2	91.5	92.1	93.4	93.1	91.7	95.5	95.9	96.1	97.3	97.7
Transportation equipment	92.6	90.3	90.7	89.1	86.1	91.5	90.6	93.3	91.3	96.7	94.8	96.2	97.0
Instruments and related products	109.1	110.3	108.1	107.2	107.9	108.5	110.4	108.9	112.4	111.6	111.1	112.9	114.1
Miscellaneous manufacturing, Ind.	94.7	93.1	91.8	92.2	92.0	92.1	91.6	93.1	96.8	96.0	95.1	95.3	94.9
NONDURABLE GOODS	95.8	95.2	94.2	95.2	95.0	95.4	95.5	94.7	97.1	97.6	98.5	98.8	98.5
Food and kindred products	96.8	97.0	96.5	96.4	96.2	96.6	95.5	95.1	97.5	97.9	98.8	97.0	95.9
Tobacco manufactures	83.4	82.3	84.0	82.1	83.0	81.6	81.6	76.1	83.0	75.5	80.7	75.7	75.9
Textile mill products	98.6	98.0	95.5	95.2	95.0	95.6	96.1	95.4	97.9	99.5	99.7	100.9	100.1
Apparel and other textile products	91.4	88.9	87.6	86.2	85.7	86.1	86.3	84.1	88.0	87.9	87.3	89.0	90.0
Paper and allied products	97.3	96.9	96.1	96.5	95.7	97.0	97.2	96.2	98.0	98.3	100.8	101.2	101.4
Printing and publishing	93.1	93.6	92.9	93.1	93.4	93.6	93.7	93.0	94.8	94.3	94.9	95.2	95.3
Chemicals and allied products	99.0	99.4	99.8	100.3	99.4	100.0	100.0	100.4	101.8	102.2	103.5	103.8	103.9
Petroleum and coal products	111.6	112.2	112.4	112.2	112.5	113.1	114.7	115.0	114.7	118.7	120.5	120.2	121.0
Rubber and plastics products, nec	107.0	106.2	105.2	124.3	125.6	125.7	127.6	127.7	129.6	131.7	134.7	135.8	133.6
Leather and leather products	76.0	74.7	72.5	72.1	71.0	70.4	70.5	69.1	71.9	71.9	73.9	73.6	73.1
SERVICE-PRODUCING	121.8	122.5	123.0	123.6	123.5	123.5	124.6	124.1	125.3	125.8	125.8	126.0	125.4
TRANSPORTATION AND PUBLIC UTILITIES	101.6	102.1	102.5	102.9	102.0	103.2	105.0	102.7	104.4	104.2	103.9	104.5	104.2
WHOLESALE AND RETAIL TRADE	118.1	118.9	119.0	119.7	119.3	118.9	120.0	119.1	120.7	121.5	121.7	121.7	120.7
WHOLESALE TRADE	114.1	115.3	114.7	114.9	114.8	114.8	114.8	115.4	117.0	116.9	117.8	117.5	117.4
RETAIL TRADE	119.6	120.3	120.6	121.6	121.0	120.4	122.0	120.4	122.1	123.2	123.1	123.2	122.0
FINANCE, INSURANCE, AND REAL ESTATE	126.3	126.6	127.3	127.7	128.3	129.1	129.8	130.6	130.2	131.1	131.0	131.7	131.5
SERVICES	135.0	135.4	136.6	137.2	137.6	137.7	138.4	138.8	139.7	140.0	140.1	140.2	139.8

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments, by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	APRIL 1977	MAY 1977 ^p	JUNE 1977 ^p	June 1976 to June 1977	April 1977 to May 1977	May 1977 to June 1977
TOTAL	156,001	156,623	156,422	3.5	0.4	-0.1
PRIVATE SECTOR	126,348	126,758	126,586	3.9	0.3	-0.1
MINING	1,956	1,922	1,948	13.7	-1.7	1.3
CONTRACT CONSTRUCTION	7,452	7,521	7,439	6.8	0.9	-1.1
MANUFACTURING	40,651	40,887	40,997	3.8	0.6	0.3
DURABLE GOODS	24,049	24,242	24,391	4.6	0.8	0.6
NONDURABLE GOODS	16,602	16,645	16,605	2.7	0.3	-0.2
TRANSPORTATION AND PUBLIC UTILITIES	9,540	9,585	9,561	3.1	0.5	-0.2
WHOLESALE AND RETAIL TRADE	31,809	31,805	31,630	2.6	-0.0	-0.6
FINANCE, INSURANCE, AND REAL ESTATE	8,494	8,552	8,551	4.5	0.7	-0.0
SERVICES	26,447	26,487	26,461	4.3	0.2	-0.1
GOVERNMENT	29,653	29,865	29,836	2.0	0.7	-0.1

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Survey Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

² "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1974		1975				1976				1977
	1975	1976	III	IV	I	II	III	IV	I	II	III	IV	I
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	111.3	115.7	108.7	107.7	108.1	111.2	113.4	112.8	114.7	115.5	116.3	116.4	117.8
Output	118.1	126.1	120.6	117.7	114.2	116.7	120.1	121.2	124.2	125.8	126.8	127.5	130.0
Hours	106.1	108.9	111.0	109.2	105.7	104.9	105.9	107.5	108.2	108.9	108.9	109.5	110.4
Compensation per hour	179.9	193.7	166.6	170.8	176.1	178.7	180.8	184.2	188.8	191.8	195.3	199.2	204.4
Real compensation per hour	111.6	113.6	111.3	110.8	112.0	112.0	111.1	111.3	112.8	113.3	113.7	114.7	115.4
Unit labor costs	161.6	167.4	153.3	158.6	162.9	160.7	159.5	163.3	164.6	166.0	167.8	171.1	173.6
Unit nonlabor payments	149.6	159.3	132.0	134.9	138.6	146.6	156.2	156.3	156.3	159.6	160.7	160.4	161.4
Implicit price deflator	157.5	164.6	146.0	150.4	154.5	155.9	158.4	160.9	161.7	163.8	165.4	167.4	169.4
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	109.2	113.2	106.7	105.8	106.0	109.0	111.4	110.6	112.0	113.2	114.0	113.6	114.8
Output	118.0	126.2	121.0	117.9	114.4	116.6	119.9	121.3	124.3	126.0	126.9	127.5	130.1
Hours	108.0	111.4	113.4	111.4	107.8	106.9	107.7	109.7	111.0	111.2	111.3	112.2	113.3
Compensation per hour	177.4	190.5	163.9	168.5	173.1	176.1	178.9	181.4	185.4	188.9	192.1	195.4	200.2
Real compensation per hour	110.0	111.7	109.5	109.3	110.1	110.4	109.8	109.6	110.8	111.6	111.9	112.5	113.1
Unit labor costs	162.4	168.2	153.6	159.3	163.3	161.5	160.6	164.1	165.4	166.8	168.5	171.9	174.4
Unit nonlabor payments	144.8	155.6	127.0	129.7	136.0	142.3	150.0	150.3	152.6	154.2	157.6	158.0	157.4
Implicit price deflator	156.4	163.9	144.6	149.2	154.0	155.0	157.0	159.3	161.0	162.5	164.8	167.2	168.6
MANUFACTURING:													
Output per hour of all persons	114.9	122.4	115.5	112.7	109.0	112.7	118.6	119.5	120.9	123.1	124.8	124.7	124.7
Output	106.3	118.2	118.5	111.5	100.8	102.7	109.5	112.6	116.5	119.0	120.5	120.9	122.4
Hours	92.5	96.6	102.6	98.9	92.4	91.1	92.3	94.2	96.4	96.7	96.6	97.0	98.1
Compensation per hour	179.8	193.2	163.6	169.8	175.9	178.5	180.7	183.7	187.8	191.7	194.6	198.4	203.9
Real compensation per hour	111.5	113.3	109.3	110.1	111.9	111.8	111.0	111.0	112.3	113.3	113.3	114.2	115.2
Unit labor costs	156.4	157.9	141.7	150.7	161.3	158.3	152.3	153.7	155.4	155.8	155.9	159.0	163.6
DURABLE GOODS													
Output per hour of all persons	110.9	117.8	109.7	107.7	104.2	108.6	115.2	115.5	116.5	119.3	121.1	120.4	119.6
Output	101.3	112.5	113.9	107.9	96.9	97.9	104.2	106.4	110.2	113.8	116.2	115.8	116.7
Hours	91.3	95.5	103.9	100.2	92.9	90.1	90.5	92.2	94.6	95.4	95.9	96.2	97.6
Compensation per hour	181.3	194.7	163.5	169.7	176.0	180.0	182.7	185.7	189.5	193.9	195.9	199.1	204.5
Real compensation per hour	112.4	114.2	109.2	110.1	111.9	112.8	112.2	112.2	113.3	114.6	114.1	114.6	115.5
Unit labor costs	163.5	165.3	149.1	157.5	168.9	165.7	158.6	160.8	162.7	162.5	161.8	165.3	171.0
NONDURABLE GOODS													
Output per hour of all persons	121.5	129.7	125.2	121.0	117.1	119.4	124.4	125.9	127.7	129.2	131.1	131.8	132.8
Output	114.5	127.6	126.0	117.5	107.5	110.4	118.1	122.5	126.3	127.4	127.9	129.4	131.4
Hours	94.2	98.3	100.7	97.1	91.7	92.4	95.0	97.3	98.9	98.6	97.5	98.1	99.0
Compensation per hour	177.8	191.1	163.3	169.3	175.5	176.4	178.4	181.5	185.8	188.8	192.7	197.6	203.2
Real compensation per hour	110.3	112.1	109.0	109.9	111.6	110.6	109.5	109.7	111.1	111.6	112.2	113.8	114.7
Unit labor costs	146.3	147.3	130.4	140.0	149.8	147.7	143.4	144.2	145.5	146.1	146.9	149.9	153.1
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	112.6	116.4	109.1	108.0	108.8	112.5	114.8	114.3	115.3	116.5	117.2	116.8	117.6
Output	124.0	133.1	127.7	123.7	119.7	122.4	126.2	127.5	130.8	133.0	134.0	134.5	136.4
Hours	110.1	114.3	117.1	114.6	110.0	108.8	109.9	111.6	113.4	114.2	114.4	115.1	116.0
Compensation per hour	179.6	192.3	165.1	169.9	175.5	178.3	180.8	183.7	187.4	190.7	193.7	197.4	202.9
Real compensation per hour	111.4	112.8	110.2	110.2	111.6	111.7	111.1	111.0	112.0	112.7	112.8	113.6	114.5
Total unit costs	166.8	172.6	155.2	162.0	167.4	165.9	165.4	168.7	169.6	171.0	172.8	176.7	179.8
Unit labor costs	159.4	165.1	151.4	157.3	161.3	158.5	157.5	160.8	162.5	163.7	165.3	169.0	172.6
Unit nonlabor costs	189.8	195.7	167.2	176.8	186.5	189.2	190.2	193.4	191.9	193.8	196.2	200.7	202.2
Unit profits	87.0	107.0	66.4	60.2	61.6	82.4	102.0	100.5	106.0	107.1	111.3	103.8	101.6
Implicit price deflator	155.0	162.9	142.0	146.9	151.7	153.5	156.0	158.6	160.2	161.5	163.7	165.9	168.2

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	III 1975 to IV 1975	IV 1975 to I 1976	I 1976 to II 1976	II 1976 to III 1976	III 1976 to IV 1976	IV 1976 to I 1977	IV 1974 to IV 1975	I 1975 to I 1976	II 1975 to II 1976	III 1975 to III 1976	IV 1975 to IV 1976	I 1976 to I 1977
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	-2.1	7.0	2.9	2.9	0.3	4.7	4.7	6.1	3.9	2.6	3.2	2.7
Output	3.6	10.2	5.5	2.9	2.3	8.0	3.0	8.7	7.8	5.5	5.2	4.7
Hours	5.9	2.9	2.6	0.1	2.1	3.2	-1.6	2.4	3.8	2.8	1.9	2.0
Compensation per hour	7.6	10.4	6.5	7.5	8.2	10.9	7.8	7.2	7.3	8.0	8.1	8.3
Real compensation per hour	0.9	5.6	1.8	1.3	3.5	2.5	0.4	0.8	1.2	2.4	3.0	2.3
Unit labor costs	10.0	3.1	3.5	4.5	8.0	5.9	3.0	1.0	3.3	5.2	4.8	5.4
Unit nonlabor payments	0.2	-0.1	8.8	2.8	-0.8	2.6	15.8	12.7	8.8	2.9	2.6	3.3
Implicit price deflator	6.6	2.1	5.2	3.9	5.0	4.8	7.0	4.7	5.1	4.4	4.0	4.7
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	-2.8	5.4	4.4	2.6	-1.2	4.1	4.5	5.7	3.9	2.4	2.8	2.4
Output	4.5	10.5	5.4	3.0	1.9	8.3	2.9	8.7	8.1	5.8	5.2	4.6
Hours	7.6	4.8	1.0	0.4	3.2	4.1	-1.6	2.9	4.1	3.4	2.3	2.1
Compensation per hour	5.8	9.0	7.7	7.1	7.0	10.3	7.7	7.1	7.2	7.4	7.7	8.0
Real compensation per hour	-0.8	4.3	3.0	0.9	2.3	2.0	0.3	0.6	1.1	1.8	2.6	2.0
Unit labor costs	8.9	3.4	3.2	4.3	8.3	6.0	3.0	1.3	3.2	4.9	4.8	5.4
Unit nonlabor payments	0.6	6.3	4.4	9.0	1.1	-1.4	15.8	12.2	8.4	5.0	5.1	3.2
Implicit price deflator	6.2	4.3	3.6	5.8	5.9	3.5	6.8	4.6	4.9	5.0	4.9	4.7
MANUFACTURING:												
Output per hour of all persons	3.0	4.7	7.4	5.7	-0.2	-0.2	6.1	10.9	9.2	5.2	4.4	3.1
Output	11.9	14.4	8.9	5.3	1.3	4.7	1.0	15.6	15.9	10.1	7.4	5.0
Hours	8.7	9.3	1.4	-0.5	1.5	5.0	-4.8	4.2	6.2	4.7	2.9	1.8
Compensation per hour	6.8	9.2	8.6	6.2	7.9	11.7	8.2	6.8	7.4	7.7	8.0	8.6
Real compensation per hour	0.1	4.5	3.8	0.1	3.2	3.3	0.8	0.3	1.3	2.1	2.9	2.6
Unit labor costs	3.7	4.3	1.1	0.4	8.2	12.0	2.0	-3.7	-1.6	2.4	3.5	5.3
DURABLE GOODS												
Output per hour of all persons	1.1	3.6	9.9	6.1	-2.1	-2.8	7.2	11.8	9.8	5.1	4.3	2.6
Output	8.7	15.1	13.6	8.6	-1.3	3.1	-1.4	13.8	16.2	11.5	8.8	5.8
Hours	7.5	11.2	3.3	2.3	0.9	6.0	-8.0	1.8	5.8	6.0	4.4	3.1
Compensation per hour	6.7	8.5	9.4	4.3	6.6	11.4	9.4	7.7	7.7	7.2	7.2	7.4
Real compensation per hour	0.1	3.8	4.6	-1.7	1.9	3.0	1.9	1.2	1.6	1.7	2.1	1.9
Unit labor costs	5.5	4.8	-0.4	-1.7	8.9	14.6	2.1	-3.7	-2.0	2.0	2.8	5.1
NONDURABLE GOODS												
Output per hour of all persons	5.0	5.9	4.7	6.3	2.0	2.9	4.1	9.0	8.2	5.5	4.7	4.0
Output	15.9	13.0	3.5	1.6	4.6	6.5	4.3	17.6	15.4	8.3	5.6	4.0
Hours	10.5	6.7	-1.2	-4.4	2.5	3.5	0.2	7.9	6.7	2.7	0.8	0.1
Compensation per hour	7.2	9.9	6.5	8.6	10.5	11.9	7.2	5.9	7.0	8.0	8.9	9.4
Real compensation per hour	0.5	5.2	1.8	2.3	5.6	3.5	-0.2	-0.5	0.9	2.4	3.7	3.3
Unit labor costs	2.1	3.8	1.7	2.2	8.3	8.8	3.0	-2.8	-1.1	2.5	4.0	5.2
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	-2.0	3.8	4.0	2.4	-1.2	2.6	5.8	6.0	3.5	2.0	2.2	1.9
Output	4.2	10.6	6.8	3.3	1.3	5.7	3.1	9.3	8.6	6.2	5.4	4.2
Hours	6.3	6.6	2.6	0.8	2.5	3.0	-2.6	3.1	4.9	4.1	3.1	2.3
Compensation per hour	6.4	8.2	7.3	6.5	7.8	11.5	8.1	6.7	6.9	7.1	7.5	8.3
Real compensation per hour	-0.2	3.6	2.5	0.5	3.0	3.2	0.7	0.3	0.9	1.6	2.4	2.3
Total unit costs	8.1	2.2	3.4	4.3	9.3	7.1	4.1	1.3	3.1	4.5	4.7	6.0
Unit labor costs	8.6	4.3	3.1	4.0	9.2	8.7	2.2	0.7	3.3	5.0	5.1	6.2
Unit nonlabor costs	7.1	-3.1	3.9	5.1	9.6	2.8	9.4	2.9	2.5	3.2	3.8	5.3
Unit profits	-5.9	23.8	4.2	16.9	-24.5	-8.1	66.9	71.9	30.0	9.1	3.3	4.1
Implicit price deflator	6.7	4.1	3.4	5.5	5.4	5.6	7.9	5.6	5.2	4.9	4.6	5.0

p=preliminary.
r=revised.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
ALABAMA	\$179.17	\$193.36	\$195.05	41.0	40.2	40.3	\$4.37	\$4.81	\$4.84
Birmingham	217.89	234.43	238.21	40.5	40.7	41.0	5.38	5.76	5.81
Mobile	205.65	258.05	241.60	39.7	44.8	41.8	5.18	5.76	5.78
ALASKA	317.34	341.82	(*)	41.7	40.5	(*)	7.61	8.44	(*)
ARIZONA	202.58	216.22	218.54	39.8	39.6	40.1	5.09	5.46	5.45
Phoenix	202.29	213.55	222.20	39.9	39.4	40.4	5.07	5.42	5.50
Tucson	209.21	219.35	224.19	39.4	39.1	39.4	5.31	5.61	5.69
ARKANSAS	153.58	166.32	168.33	40.1	39.6	39.7	3.83	4.20	4.24
Fayetteville-Springdale	143.47	150.54	153.24	40.3	39.1	39.7	3.56	3.85	3.86
Fort Smith	154.04	166.66	167.52	38.8	38.4	38.6	3.97	4.34	4.34
Little Rock-North Little Rock	173.89	189.20	192.38	39.7	40.0	40.5	4.38	4.73	4.75
Pine Bluff	180.92	217.00	204.40	41.4	43.4	41.8	4.37	5.00	4.89
CALIFORNIA	218.75	233.63	237.79	39.7	39.8	40.1	5.51	5.87	5.93
Anahelm-Santa Ana-Garden Grove	206.63	218.56	221.82	40.2	40.4	40.7	5.14	5.41	5.45
Bakersfield	237.80	245.63	251.65	39.9	39.3	40.2	5.96	6.25	6.26
Fresno	201.06	215.20	216.65	39.5	40.3	40.8	5.09	5.34	5.31
Los Angeles-Long Beach	204.69	219.05	223.41	39.9	39.9	40.4	5.13	5.49	5.53
Modesto	207.93	223.65	224.63	37.6	38.1	37.5	5.53	5.87	5.99
Oxnard-Simi Valley-Ventura	194.78	200.19	199.68	38.8	39.1	39.0	5.02	5.12	5.12
Riverside-San Bernardino-Ontario	231.49	239.60	240.20	40.4	40.0	39.9	5.73	5.99	6.02
Sacramento	231.81	248.63	247.92	38.7	39.1	38.2	5.99	6.36	6.49
Salinas-Seaside-Monterey	200.59	220.41	217.34	38.5	38.6	38.4	5.21	5.71	5.66
San Diego	215.50	230.50	224.23	39.5	39.2	38.2	5.60	5.88	5.87
San Francisco-Oakland	266.34	285.12	290.07	39.4	39.6	39.9	6.76	7.20	7.27
San Jose	238.00	254.23	257.75	39.6	39.6	39.9	6.01	6.42	6.46
Santa Barbara-Santa Maria-Lompoc	195.78	206.98	207.64	39.0	39.5	39.4	5.02	5.24	5.27
Santa Rosa	211.37	212.06	220.41	38.5	37.6	38.2	5.49	5.64	5.77
Stockton	239.00	254.54	249.38	39.9	39.1	37.9	5.99	6.51	6.58
Vallejo-Fairfield-Napa	231.55	227.48	235.74	38.4	37.6	37.9	6.03	6.05	6.22
COLORADO ¹	206.06	220.56	222.66	39.4	38.9	39.2	5.23	5.67	5.68
Denver-Boulder ¹	208.96	216.89	220.70	39.5	38.8	39.2	5.29	5.59	5.63
CONNECTICUT	206.25	225.36	229.08	40.6	41.2	41.5	5.08	5.47	5.52
Bridgeport	218.40	234.34	236.30	42.0	42.3	42.5	5.20	5.54	5.56
Hartford	231.44	249.31	254.07	41.7	41.9	42.7	5.55	5.95	5.95
New Britain	207.75	235.75	239.97	40.4	42.4	42.7	5.13	5.56	5.62
New Haven-West Haven	205.31	223.01	225.89	40.1	40.4	40.7	5.12	5.52	5.55
Stamford	216.11	228.36	233.23	41.8	41.9	42.1	5.17	5.45	5.54
Waterbury	183.84	194.79	195.52	41.5	41.8	41.6	4.43	4.66	4.70
DELAWARE	223.85	219.57	214.30	41.3	39.0	38.2	5.42	5.63	5.61
Wilmington	254.18	258.95	257.94	41.6	39.9	39.5	6.11	6.49	6.53
DISTRICT OF COLUMBIA:									
Washington SMSA ²	210.21	211.63	211.42	38.5	38.2	38.3	5.46	5.54	5.52
FLORIDA	172.94	182.46	185.49	40.5	40.1	40.5	4.27	4.55	4.58
Fort Lauderdale-Hollywood	173.32	181.19	184.68	40.4	40.9	41.5	4.29	4.43	4.45
Jacksonville	216.20	209.22	223.72	41.9	39.7	40.9	5.16	5.27	5.47
Miami	151.64	157.03	163.07	39.8	38.3	39.2	3.81	4.10	4.16
Orlando	177.16	196.39	197.28	41.2	41.0	41.1	4.30	4.79	4.80
Pensacola	213.53	231.26	229.15	42.2	42.2	42.2	5.06	5.48	5.43
Tampa-St. Petersburg	180.26	193.11	194.00	40.6	41.0	40.5	4.44	4.71	4.79
West Palm Beach-Boca Raton	208.66	211.85	206.98	41.9	40.2	39.2	4.98	5.27	5.28
GEORGIA	162.41	173.41	175.24	40.3	39.5	40.1	4.03	4.39	4.37
Atlanta	203.52	213.25	219.38	40.3	39.2	39.6	5.05	5.44	5.54
Savannah	211.72	240.24	234.00	42.6	44.0	42.7	4.97	5.46	5.48
HAWAII ¹	193.55	207.18	203.11	38.1	37.6	37.2	5.08	5.51	5.46
Honolulu ¹	181.42	200.02	194.21	36.8	36.7	36.3	4.93	5.45	5.35
IDAHO	194.30	206.72	216.21	38.4	38.0	38.2	5.06	5.44	5.66

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1975	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
ILLINOIS	(*)	\$249.13	\$252.88	(*)	40.4	40.8	(*)	\$6.17	\$6.20
INDIANA	\$243.95	265.10	269.04	41.0	41.1	41.2	\$5.95	6.45	6.53
Indianapolis	242.54	277.20	(*)	40.9	42.0	(*)	5.93	6.60	(*)
IOWA ¹	231.20	254.29	254.47	40.0	40.3	40.2	5.78	6.31	6.33
Cedar Rapids ¹	234.43	242.26	246.98	40.7	39.2	39.9	5.76	6.18	6.19
Des Moines ¹	238.16	268.88	258.34	39.3	39.6	38.5	6.06	6.79	6.71
Dubuque ¹	274.13	311.60	316.37	39.5	40.0	40.2	6.94	7.79	7.87
Sioux City ¹	212.70	217.89	215.73	39.1	39.4	38.8	5.44	5.53	5.56
Waterloo-Cedar Falls ¹	284.97	320.54	322.46	39.8	41.2	41.5	7.16	7.78	7.77
KANSAS	198.00	212.13	218.25	40.8	41.2	42.0	4.86	5.15	5.20
Topeka	181.88	230.27	234.72	40.0	42.0	42.7	4.55	5.48	5.50
Wichita	221.06	228.84	231.17	41.5	40.9	41.2	5.33	5.59	5.60
KENTUCKY	202.40	216.22	224.24	40.0	39.1	39.9	5.06	5.53	5.62
Louisville	233.56	252.25	254.32	40.2	39.6	39.8	5.81	6.37	6.39
LOUISIANA	215.59	236.49	239.51	41.3	41.2	41.8	5.22	5.74	5.73
Baton Rouge	273.49	311.90	306.16	42.6	43.5	42.7	6.42	7.17	7.17
New Orleans	208.96	236.29	237.39	39.5	40.6	41.0	5.29	5.82	5.79
Shreveport	186.65	202.95	202.86	40.4	41.0	40.9	4.62	4.95	4.96
MAINE	160.40	174.64	176.76	39.9	39.6	39.9	4.02	4.41	4.43
Lewiston-Auburn	140.30	139.83	145.16	39.3	36.7	37.9	3.57	3.81	3.83
Portland	169.62	180.35	182.80	40.1	39.9	40.0	4.23	4.52	4.57
MARYLAND	219.20	232.66	240.80	40.0	39.5	40.0	5.48	5.89	6.02
Baltimore	229.94	244.59	254.56	40.2	39.9	40.6	5.72	6.13	6.27
MASSACHUSETTS	188.47	202.21	(*)	40.1	40.2	(*)	4.70	5.03	(*)
Boston	207.43	221.75	(*)	40.2	40.1	(*)	5.16	5.53	(*)
Brockton	152.85	157.21	(*)	38.5	37.7	(*)	3.97	4.17	(*)
Fall River	137.90	148.23	(*)	36.1	36.6	(*)	3.82	4.05	(*)
Lawrence-Haverhill	181.94	197.11	(*)	39.9	39.9	(*)	4.56	4.94	(*)
Lowell	168.13	170.82	(*)	39.1	38.3	(*)	4.30	4.46	(*)
New Bedford	159.80	169.34	(*)	38.6	38.4	(*)	4.14	4.41	(*)
Springfield-Chicopee-Holyoke	188.73	213.62	(*)	40.5	41.4	(*)	4.66	5.16	(*)
Worcester	189.21	201.22	(*)	39.5	39.3	(*)	4.79	5.12	(*)
MICHIGAN	292.61	316.83	(*)	43.1	43.1	(*)	6.79	7.35	(*)
Ann Arbor	331.94	367.82	(*)	45.1	45.5	(*)	7.36	8.08	(*)
Battle Creek	282.51	293.16	(*)	41.4	41.5	(*)	6.82	7.06	(*)
Bay City	306.79	340.73	(*)	47.3	48.6	(*)	6.49	7.01	(*)
Detroit	311.24	339.78	(*)	43.5	43.3	(*)	7.16	7.85	(*)
Flint	353.35	381.78	(*)	47.0	46.4	(*)	7.52	8.23	(*)
Grand Rapids	224.26	249.72	(*)	40.4	41.4	(*)	5.55	6.03	(*)
Jackson	242.58	262.75	(*)	40.9	41.1	(*)	5.93	6.39	(*)
Kalamazoo-Portage	254.89	266.67	(*)	41.5	40.9	(*)	6.14	6.52	(*)
Lansing-East Lansing	332.05	337.22	(*)	45.8	44.0	(*)	7.25	7.66	(*)
Muskegon-Norton Shores-Muskegon Heights	248.66	261.11	(*)	41.7	41.4	(*)	5.96	6.31	(*)
Saginaw	346.47	370.09	(*)	44.7	44.6	(*)	7.75	8.30	(*)
MINNESOTA	215.82	236.19	235.81	39.6	40.1	39.9	5.45	5.89	5.91
Duluth-Superior	194.04	206.06	206.45	38.5	39.1	39.1	5.04	5.27	5.28
Minneapolis-St. Paul	229.25	253.53	254.12	39.8	40.5	40.4	5.76	6.26	6.29
MISSISSIPPI	150.44	163.15	164.79	39.8	39.6	39.9	3.78	4.12	4.13
Jackson	154.40	182.78	183.23	40.0	40.8	40.9	3.86	4.48	4.48
MISSOURI ¹	204.00	222.48	226.29	40.0	39.8	40.7	5.10	5.59	5.56
Kansas City ¹	237.39	250.88	265.41	41.0	40.4	41.6	5.79	6.21	6.38
St. Joseph ¹	190.80	204.34	205.88	40.0	39.6	39.9	4.77	5.16	5.16
St. Louis ¹	233.02	259.20	260.63	39.9	40.5	41.7	5.84	6.40	6.25
Springfield ¹	174.99	181.07	180.50	39.5	38.2	38.0	4.43	4.74	4.75
MONTANA ²	231.45	252.72	248.53	39.7	40.5	39.2	5.83	6.24	6.34

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1976	APR. 1977	MAY 1977 ^D	MAY 1976	APR. 1977	MAY 1977 ^P	MAY 1976	APR. 1977	MAY 1977 ^P
NEBRASKA ²	\$195.82	\$215.62	\$215.46	40.4	41.0	40.9	\$4.85	\$5.26	\$5.27
Lincoln ²	183.33	208.70	211.85	38.8	38.3	38.9	4.73	5.45	5.45
Omaha ²	215.78	235.17	231.46	41.4	41.1	40.7	5.21	5.72	5.69
NEVADA	206.22	219.33	214.76	37.7	36.8	36.4	5.47	5.96	5.90
Las Vegas	262.55	285.20	(*)	39.6	40.0	(*)	6.63	7.13	(*)
NEW HAMPSHIRE	164.34	178.40	180.10	39.6	40.0	40.2	4.15	4.46	4.48
Manchester	152.48	158.37	161.98	39.4	39.2	39.7	3.87	4.04	4.08
Nashua	183.42	210.25	208.42	40.4	41.8	41.6	4.54	5.03	5.01
NEW JERSEY	215.18	236.65	237.48	40.6	41.3	41.3	5.30	5.73	5.75
Atlantic City	170.04	176.86	178.67	39.0	37.0	37.3	4.36	4.78	4.79
Camden ³	198.58	223.20	227.29	39.4	40.0	40.3	5.04	5.58	5.64
Hackensack ⁴	202.54	221.76	222.82	41.0	42.0	42.2	4.94	5.28	5.28
Jersey City ⁴	224.60	222.22	226.97	42.7	39.4	40.1	5.26	5.64	5.66
New Brunswick—Perth Amboy—Sayreville ⁴	236.39	251.34	259.68	41.4	42.1	42.5	5.71	5.97	6.11
Newark ⁴	221.53	244.53	246.03	41.1	41.8	42.2	5.39	5.85	5.83
Paterson—Clifton—Passaic ⁴	210.08	221.68	220.46	41.6	40.6	40.6	5.05	5.46	5.43
Trenton	217.75	243.72	243.76	40.7	41.1	40.9	5.35	5.93	5.96
NEW MEXICO	159.59	162.59	157.88	40.3	37.9	37.5	3.96	4.29	4.21
Albuquerque	159.98	162.26	167.08	40.5	38.0	37.8	3.95	4.27	4.42
NEW YORK	206.19	218.51	(*)	39.5	39.3	(*)	5.22	5.56	(*)
Albany—Schenectady—Troy	223.02	235.13	(*)	41.3	40.4	(*)	5.40	5.82	(*)
Binghamton	196.24	195.13	(*)	41.4	39.5	(*)	4.74	4.94	(*)
Buffalo	266.39	294.27	(*)	41.3	41.8	(*)	6.45	7.04	(*)
Elmira	202.40	221.13	(*)	40.0	40.5	(*)	5.06	5.46	(*)
Monroe County ⁵	269.02	283.18	(*)	42.1	41.4	(*)	6.39	6.84	(*)
Nassau—Suffolk ⁶	191.98	196.98	(*)	39.1	38.7	(*)	4.91	5.09	(*)
New York—Northeastern New Jersey	199.14	211.83	(*)	39.2	39.3	(*)	5.08	5.39	(*)
New York and Nassau—Suffolk ⁴	184.84	192.89	(*)	37.8	37.6	(*)	4.89	5.13	(*)
New York SMSA ⁶	183.86	192.24	(*)	37.6	37.4	(*)	4.89	5.14	(*)
New York City ⁷	181.65	190.09	(*)	37.3	37.2	(*)	4.87	5.11	(*)
Poughkeepsie	217.18	217.74	(*)	40.9	40.1	(*)	5.31	5.43	(*)
Rochester	255.62	269.45	(*)	41.7	41.2	(*)	6.13	6.54	(*)
Rockland County ⁷	204.75	215.27	(*)	41.7	41.8	(*)	4.91	5.15	(*)
Syracuse	224.95	244.96	(*)	41.2	41.1	(*)	5.46	5.96	(*)
Utica—Rome	192.32	209.04	(*)	39.9	40.2	(*)	4.82	5.20	(*)
Westchester County ⁷	201.85	216.38	(*)	39.5	39.2	(*)	5.11	5.52	(*)
NORTH CAROLINA ²	149.14	155.98	160.00	40.2	38.8	39.8	3.71	4.02	4.02
Asheville ²	146.07	155.61	158.75	39.8	39.9	40.6	3.67	3.90	3.91
Charlotte—Gastonia ²	152.56	163.22	167.67	40.9	40.5	41.4	3.73	4.03	4.05
Greensboro—Winston-Salem—High Point ²	159.99	168.00	173.60	39.7	38.8	40.0	4.03	4.33	4.34
Releigh—Durham ²	163.41	176.47	176.34	39.0	38.7	39.1	4.19	4.56	4.51
NORTH DAKOTA	187.93	198.66	202.40	39.9	38.8	38.7	4.71	5.12	5.23
Fargo—Moorhead	205.22	203.56	211.30	40.8	38.7	38.7	5.03	5.26	5.46
OHIO	250.85	276.96	280.87	41.6	41.9	42.3	6.03	6.61	6.64
Akron	237.80	277.80	279.60	41.5	41.9	42.3	5.73	6.63	6.61
Canton	245.81	248.91	274.29	40.1	37.6	41.0	6.13	6.62	6.69
Cincinnati	229.90	253.17	259.58	41.2	41.3	41.8	5.58	6.13	6.21
Cleveland	261.18	286.33	288.96	42.4	42.8	43.0	6.16	6.69	6.72
Columbus	222.31	242.00	244.61	40.2	40.4	40.7	5.53	5.99	6.01
Dayton	271.19	292.07	304.98	43.6	42.7	44.2	6.22	6.84	6.90
Toledo	258.32	296.01	294.04	41.2	42.9	42.8	6.27	6.90	6.87
Youngstown—Warren	274.91	312.83	313.18	39.9	41.0	41.1	6.89	7.63	7.62
OKLAHOMA	188.40	208.12	211.17	40.0	40.1	40.3	4.71	5.19	5.24
Oklahoma City	190.35	203.38	208.15	40.5	39.8	39.8	4.70	5.11	5.23
Tulsa	207.95	223.34	234.43	40.3	39.6	40.7	5.16	5.64	5.76
OREGON	231.86	247.43	254.02	39.1	38.6	39.2	5.93	6.41	6.48
Eugene—Springfield	245.78	273.91	(*)	39.9	40.7	(*)	6.16	6.73	(*)
Jackson County	237.94	254.78	(*)	39.2	39.5	(*)	6.07	6.45	(*)
Portland	230.49	240.28	247.93	39.0	38.2	38.8	5.91	6.29	6.39

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
PENNSYLVANIA	\$207.50	\$224.40	\$228.10	39.3	39.3	39.6	\$5.28	\$5.71	\$5.76
Allentown—Bethlehem—Easton	201.78	216.38	222.68	38.0	37.5	38.0	5.31	5.77	5.86
Altoona	176.02	186.09	189.81	38.6	37.9	38.5	4.56	4.91	4.93
Delaware Valley ⁸	221.13	235.22	238.20	39.7	39.4	39.7	5.57	5.97	6.00
Erie	213.56	228.34	234.36	40.6	40.2	40.9	5.26	5.68	5.73
Harrisburg	186.98	198.12	205.09	39.2	39.0	39.9	4.77	5.08	5.14
Johnstown	223.88	244.09	254.67	37.5	38.5	39.0	5.97	6.34	6.53
Lancaster	190.00	202.75	206.63	40.0	39.6	40.2	4.75	5.12	5.14
Northeast Pennsylvania	151.32	160.62	167.08	36.2	35.3	36.4	4.18	4.55	4.59
Philadelphia SMSA	218.25	(*)	(*)	39.9	(*)	(*)	5.47	(*)	(*)
Pittsburgh	256.37	279.48	286.64	40.5	40.8	40.6	6.33	6.85	7.06
Reading	189.73	206.19	210.00	39.2	39.2	39.4	4.84	5.26	5.33
Scranton ⁹	155.45	171.22	177.84	37.1	36.9	38.0	4.19	4.64	4.68
Wilkes-Barre—Hazleton ¹⁰	147.68	152.87	158.40	35.5	34.2	35.2	4.16	4.47	4.50
Williamsport	180.03	193.80	189.42	38.8	38.3	38.5	4.64	5.06	4.92
York	190.54	206.45	209.10	40.8	40.8	41.0	4.67	5.06	5.10
RHODE ISLAND	162.35	168.48	168.78	39.5	39.0	38.8	4.11	4.32	4.35
Providence—Warwick—Pawtucket	164.81	169.74	170.88	40.1	39.2	39.1	4.11	4.33	4.37
SOUTH CAROLINA	153.12	169.28	171.36	40.4	40.4	40.8	3.79	4.19	4.20
Charleston—North Charleston	173.66	193.34	189.66	40.2	41.4	40.7	4.32	4.67	4.66
Columbia	151.70	174.28	173.20	39.2	39.7	40.0	3.87	4.39	4.33
Greenville—Spartanburg	155.42	167.27	168.90	40.9	40.6	40.7	3.80	4.12	4.15
SOUTH DAKOTA ¹	179.34	199.84	198.19	40.3	40.7	40.2	4.45	4.91	4.93
Sioux Falls ¹	226.59	241.34	245.26	41.5	41.9	41.5	5.46	5.76	5.91
TENNESSEE ²	168.08	182.91	(*)	40.6	40.2	(*)	4.14	4.55	(*)
Chattanooga ²	177.36	191.63	(*)	40.4	40.6	(*)	4.39	4.72	(*)
Knoxville ²	201.06	213.72	(*)	41.2	40.4	(*)	4.88	5.29	(*)
Memphis ²	193.92	212.27	(*)	40.4	39.9	(*)	4.80	5.32	(*)
Nashville—Davidson ²	181.49	195.22	(*)	39.8	39.2	(*)	4.56	4.98	(*)
TEXAS	200.74	213.60	215.74	40.8	40.0	40.4	4.92	5.34	5.34
Amarillo	187.73	227.40	223.78	40.9	43.9	43.2	4.59	5.18	5.18
Austin	168.92	181.22	178.57	41.0	41.0	40.4	4.12	4.42	4.42
Beaumont—Port Arthur—Orange	281.54	317.24	275.18	41.1	41.2	36.4	6.85	7.70	7.56
Corpus Christi	233.93	241.43	235.71	43.4	41.2	40.5	5.39	5.86	5.82
Dallas—Fort Worth	187.17	194.93	198.59	40.6	39.7	40.2	4.61	4.91	4.94
El Paso	140.24	152.00	150.15	40.3	40.0	38.5	3.48	3.80	3.90
Galveston—Texas City	323.84	342.17	342.66	44.0	42.4	42.2	7.36	8.07	8.12
Houston	250.81	272.21	272.64	42.8	42.6	42.6	5.86	6.39	6.40
Lubbock	150.12	160.29	165.45	41.7	41.1	42.1	3.60	3.90	3.93
San Antonio	157.32	162.80	166.06	41.4	40.0	40.7	3.80	4.07	4.08
Waco	169.18	171.57	176.61	39.9	39.9	40.6	4.24	4.30	4.35
Wichita Falls	173.84	191.20	190.61	39.6	39.1	38.9	4.39	4.89	4.90
UTAH	188.55	203.75	203.62	39.2	40.1	40.0	4.81	5.08	5.09
Salt Lake City—Ogden	184.00	193.58	193.02	39.4	39.7	39.6	4.67	4.88	4.87
VERMONT	175.82	186.76	191.17	40.7	40.6	41.2	4.32	4.60	4.64
Burlington	207.83	213.62	218.30	42.5	41.4	41.9	4.89	5.16	5.21
Springfield	188.00	213.62	(*)	40.0	41.4	(*)	4.70	5.16	(*)
VIRGINIA	170.45	183.88	184.80	40.2	39.8	40.0	4.24	4.62	4.62
Lynchburg	178.83	177.12	170.02	41.3	39.1	40.1	4.33	4.53	4.24
Norfolk—Virginia Beach—Portsmouth	185.56	215.17	217.42	41.7	41.7	42.8	4.45	5.16	5.08
Northern Virginia ¹¹	189.24	208.16	210.52	39.1	39.5	40.1	4.84	5.27	5.25
Richmond	207.87	208.66	215.04	41.0	37.8	38.4	5.07	5.52	5.60
Roanoke	151.69	161.56	163.60	39.4	39.5	40.0	3.85	4.09	4.09
WASHINGTON ¹	244.95	262.13	261.07	39.7	39.3	39.2	6.17	6.67	6.66
Seattle—Everett ¹	253.04	269.00	269.60	39.6	39.5	39.3	6.39	6.81	6.86
Spokane ¹	218.01	226.59	222.91	39.0	39.0	38.3	5.59	5.81	5.82
Tacoma ¹	247.68	262.92	266.63	38.7	39.3	39.5	6.40	6.69	6.75
WEST VIRGINIA	212.79	232.85	237.58	39.7	39.6	40.2	5.36	5.88	5.91
Charleston	243.72	271.47	270.34	41.1	41.7	41.4	5.93	6.51	6.53
Huntington—Ashland	238.79	255.96	259.77	40.2	39.5	39.3	5.94	6.48	6.61
Parkersburg—Marietta	232.15	244.82	250.29	40.8	40.2	40.5	5.69	6.09	6.18

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS**

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P	MAY 1976	APR. 1977	MAY 1977P
WEST VIRGINIA—Continued									
Wheeling	\$219.54	\$244.58	\$244.73	39.7	40.9	41.2	\$5.53	\$5.98	\$5.94
WISCONSIN	228.77	245.49	247.49	40.6	40.5	40.6	5.63	6.06	6.10
Appleton—Oshkosh	217.88	239.60	240.66	41.1	42.1	42.0	5.30	5.69	5.74
Green Bay	228.25	251.26	257.68	41.0	42.3	42.4	5.56	5.94	6.08
Kenosha	260.61	282.87	279.46	39.2	39.9	39.5	6.65	7.10	7.07
La Crosse	198.95	206.69	212.83	41.8	40.0	40.7	4.77	5.16	5.23
Madison	248.47	271.15	270.07	40.3	40.7	40.2	6.17	6.66	6.71
Milwaukee	249.65	268.77	268.32	40.4	40.6	40.5	6.18	6.62	6.63
Racine	240.69	256.33	261.06	40.0	39.7	40.2	6.02	6.46	6.50
WYOMING	219.37	228.10	235.81	40.4	39.6	39.9	5.43	5.76	5.91
Casper	263.72	280.44	310.31	41.4	41.0	45.5	6.37	6.84	6.82
Cheyenne	263.87	225.77	243.21	42.0	42.2	44.3	6.29	5.35	5.49

¹ Based on 1967 Standard Industrial Classification.

² Based on 1972 Standard Industrial Classification and adjusted to 1976 benchmark; not strictly comparable with previously published data.

³ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁴ Subarea of New York—Northeastern New Jersey.

⁵ Subarea of Rochester Standard Metropolitan Statistical Area.

⁶ Area included in New York and Nassau—Suffolk combined SMSA's.

⁷ Subarea of New York Standard Metropolitan Statistical Area.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹⁰ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹¹ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

p= preliminary

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing 1965 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1965	4.3	3.8	3.5	4.0	3.8	4.1	5.6	4.5	5.4	5.5	4.5	3.9	3.1
1966	5.0	4.6	4.2	4.9	4.6	5.1	6.7	5.1	6.4	6.1	5.1	3.9	2.9
1967	4.4	4.3	3.6	3.9	3.9	4.6	5.9	4.7	5.5	5.3	4.7	3.7	2.8
1968	4.6	4.2	3.8	4.0	4.3	4.7	5.9	5.0	5.8	5.7	5.1	3.9	3.1
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	4.9	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976	3.9	3.8	3.5	4.2	3.9	4.4	4.8	4.2	5.1	4.4	3.5	3.0	2.2
1977	-	3.7	3.7	4.0	3.8	4.6 ^P							
New hires													
1965	3.1	2.4	2.4	2.8	2.6	3.0	4.3	3.2	3.9	4.0	3.5	2.9	2.2
1966	3.8	3.2	3.1	3.7	3.6	4.1	5.6	3.9	4.8	4.7	4.2	3.1	2.1
1967	3.3	3.0	2.7	2.8	2.8	3.3	4.6	3.3	4.0	4.1	3.7	2.8	2.0
1968	3.5	3.0	2.7	2.9	3.2	3.6	4.7	3.7	4.3	4.6	4.0	2.9	2.2
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.0	2.4	1.7	1.3
1976	2.6	2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5	3.2	2.5	1.9	1.3
1977	-	2.2	2.1	2.6	2.7	3.5 ^P							
Total separations													
1965	4.1	3.7	3.1	3.4	3.7	3.6	3.6	4.3	5.1	5.6	4.5	3.9	4.1
1966	4.6	4.0	3.6	4.1	4.3	4.3	4.4	5.3	5.8	6.6	4.8	4.3	4.2
1967	4.6	4.5	4.0	4.6	4.3	4.2	4.3	4.8	5.3	6.2	4.7	4.0	3.9
1968	4.6	4.4	3.9	4.1	4.1	4.3	4.1	5.0	6.0	6.3	5.0	4.1	3.8
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6	4.4	4.6	4.3	4.0	3.5	3.4
1976	3.8	3.7	3.1	3.5	3.5	3.4	3.5	4.3	4.9	4.6	4.1	3.4	3.5
1977	-	3.9	3.4	3.4	3.4	3.6 ^P							
Quits													
1965	1.9	1.4	1.3	1.5	1.7	1.7	1.7	1.8	2.6	3.5	2.2	1.7	1.4
1966	2.6	1.9	1.8	2.3	2.5	2.5	2.5	2.5	3.6	4.5	2.8	2.1	1.7
1967	2.3	2.1	1.9	2.1	2.2	2.2	2.3	2.1	3.2	4.0	2.5	1.9	1.5
1968	2.5	2.0	1.9	2.1	2.2	2.4	2.3	2.4	3.8	4.2	2.8	2.1	1.6
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976	1.7	1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8	2.4	1.7	1.2	1.0
1977	-	1.4	1.3	1.6	1.7	1.9 ^P							
Layoffs													
1965	1.4	1.6	1.2	1.2	1.3	1.1	1.1	1.8	1.6	1.3	1.4	1.5	1.9
1966	1.2	1.3	1.0	1.0	1.0	.9	1.0	2.0	1.1	1.0	1.1	1.3	1.7
1967	1.4	1.5	1.3	1.5	1.3	1.1	1.1	1.9	1.2	1.2	1.3	1.3	1.6
1968	1.2	1.5	1.2	1.1	1.0	1.0	.9	1.8	1.3	1.1	1.2	1.2	1.4
1969	1.2	1.2	1.0	1.0	.9	.9	.9	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.9	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5	2.0	1.3	1.4	1.6	1.7	1.9
1976	1.3	1.6	1.1	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	-	1.7	1.4	1.0	.9	.8 ^P							

^ppreliminary.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Apr. 1977	May ^P 1977	Apr. 1977	May ^P 1977	Apr. 1977	May ^P 1977	Apr. 1977	May ^P 1977	Apr. 1977	May ^P 1977
-	MANUFACTURING	3.8	4.6	2.7	3.5	3.4	3.6	1.7	1.9	0.9	0.8
19,24,25,32-39	DURABLE GOODS	3.6	4.3	2.4	3.2	3.0	3.1	1.4	1.6	.7	.6
20-23,26-31	NONDURABLE GOODS	4.2	5.1	3.0	3.8	4.0	4.2	2.1	2.4	1.1	1.0
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	2.0	-	1.2	-	1.5	-	.7	-	.3	-
192	Ammunition, except for small arms	1.8	-	.9	-	1.2	-	.5	-	.3	-
24	LUMBER AND WOOD PRODUCTS	6.2	7.1	4.8	5.6	4.8	5.1	3.0	3.4	.8	.6
242	Sawmills and planing mills	5.5	-	4.3	-	4.9	-	3.1	-	.7	-
2421	Sawmills and planing mills, general	5.4	-	4.1	-	4.5	-	2.8	-	.7	-
243	Millwork, plywood and related products	6.8	-	5.7	-	5.0	-	3.1	-	.7	-
2431	Millwork	6.5	-	5.5	-	5.1	-	2.9	-	.8	-
2432	Veneer and plywood	4.2	-	3.7	-	4.6	-	2.6	-	.9	-
244	Wooden containers	6.0	-	4.0	-	4.1	-	3.1	-	.2	-
2441,2	Wooden boxes, shooks, and crates	4.5	-	3.2	-	3.0	-	2.4	-	.2	-
249	Miscellaneous wood products	6.1	-	5.0	-	4.7	-	3.3	-	.4	-
25	FURNITURE AND FIXTURES	5.4	6.4	4.3	5.7	5.3	5.9	3.2	3.6	1.0	1.1
251	Household furniture	5.6	-	4.7	-	5.5	-	3.6	-	.7	-
2511	Wood household furniture	6.2	-	5.0	-	6.0	-	4.1	-	.8	-
2512	Upholstered household furniture	4.6	-	3.9	-	5.0	-	3.3	-	.6	-
2515	Mattresses and bedsprings	5.5	-	4.6	-	4.3	-	2.8	-	.4	-
252	Office furniture	6.9	-	3.6	-	6.0	-	2.1	-	3.2	-
32	STONE, CLAY, AND GLASS PRODUCTS	5.1	5.4	3.1	3.8	3.2	3.2	1.6	1.7	.7	.6
321	Flat glass	3.8	-	1.4	-	1.3	-	.4	-	.2	-
322	Glass and glassware, pressed or blown	3.2	-	1.8	-	2.8	-	.9	-	1.1	-
3221	Glass containers	2.6	-	1.7	-	3.3	-	1.1	-	1.5	-
3229	Pressed and blown glass, nec	4.0	-	1.9	-	2.2	-	.7	-	.5	-
324	Cement, hydraulic	3.8	-	.8	-	1.1	-	.3	-	.4	-
325	Structural clay products	7.0	-	4.8	-	3.8	-	2.7	-	.2	-
3251	Brick and structural clay tile	9.2	-	7.4	-	5.3	-	4.2	-	.3	-
326	Pottery and related products	3.5	-	2.9	-	4.0	-	1.7	-	.9	-
3291	Abrasive products	1.8	-	1.4	-	1.9	-	.8	-	.3	-
33	PRIMARY METAL INDUSTRIES	3.0	3.6	1.5	2.3	1.9	2.1	.7	.8	.5	.6
331	Blast furnace and basic steel products	3.2	-	1.0	-	1.7	-	.3	-	.7	-
3312	Blast furnaces and steel mills	3.2	-	.9	-	1.6	-	.2	-	.6	-
332	Iron and steel foundries	3.1	-	2.0	-	2.5	-	1.2	-	.5	-
3321	Gray iron foundries	2.8	-	2.1	-	2.4	-	1.3	-	.3	-
3322	Malleable iron foundries	2.8	-	1.9	-	2.3	-	1.0	-	.4	-
3323	Steel foundries	3.8	-	2.0	-	2.8	-	1.0	-	1.0	-
333,4	Nonferrous metals	2.5	-	1.8	-	1.7	-	.8	-	.3	-
335	Nonferrous rolling and drawing	2.3	-	1.6	-	1.4	-	.6	-	.2	-
3351	Copper rolling and drawing	3.1	-	2.7	-	1.7	-	.7	-	.4	-
3352	Aluminum rolling and drawing	2.5	-	1.4	-	1.1	-	.4	-	.3	-
3357	Nonferrous wire drawing, and insulating	1.8	-	1.2	-	1.5	-	.7	-	.2	-
336	Nonferrous foundries	4.2	-	2.9	-	3.3	-	1.8	-	.7	-
3361	Aluminum castings	3.8	-	3.0	-	3.3	-	1.9	-	.6	-
3362,9	Other nonferrous castings	4.7	-	2.6	-	3.3	-	1.8	-	.8	-
339	Miscellaneous primary metal products	2.2	-	1.3	-	2.0	-	.8	-	.5	-
3391	Iron and steel forgings	2.2	-	1.0	-	1.9	-	.7	-	.5	-
34	FABRICATED METAL PRODUCTS	4.1	-	2.8	-	3.5	-	1.6	-	.9	-
341	Metal cans	4.5	-	.9	-	4.1	-	.5	-	2.4	-
342	Cutlery, hand tools, and hardware	3.2	-	2.4	-	2.7	-	1.5	-	.5	-
3421,3,5	Cutlery and hand tools, incl. saws	3.4	-	2.7	-	2.9	-	1.6	-	.6	-
3429	Hardware, nec	3.0	-	2.2	-	2.5	-	1.4	-	.4	-
343	Plumbing and heating, except electric	4.2	-	3.4	-	3.3	-	1.7	-	.5	-
3431,2	Sanitary ware and plumbers' brass goods	4.6	-	3.6	-	3.4	-	1.8	-	.3	-
3433	Heating equipment, except electric	3.9	-	3.2	-	3.2	-	1.5	-	.7	-
344	Fabricated structural metal products	4.7	-	3.2	-	4.0	-	1.9	-	1.2	-
3441	Fabricated structural steel	4.0	-	2.9	-	4.3	-	1.7	-	1.7	-
3443	Fabricated plate work (boiler shops)	2.5	-	1.7	-	2.6	-	1.1	-	.7	-
3446,9	Architectural and misc. metal work	4.8	-	2.9	-	4.3	-	2.1	-	1.4	-
345	Screw machine products, bolts, etc.	2.9	-	2.5	-	3.1	-	1.6	-	.4	-
3452	Bolts, nuts, rivets, and washers	2.5	-	1.9	-	2.3	-	1.1	-	.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Apr. 1977	May P 1977	Apr. 1977	May P 1977	Apr. 1977	May P 1977	Apr. 1977	May P 1977	Apr. 1977	May P 1977
	DURABLE GOODS — Continued										
	FABRICATED METAL PRODUCTS — Continued										
348	Metal stampings	3.2	-	2.2	-	2.6	-	1.2	-	0.7	-
348	Miscellaneous fabricated wire products	4.9	-	3.6	-	3.4	-	2.1	-	.5	-
349	Miscellaneous fabricated metal products	3.3	-	2.7	-	3.0	-	1.5	-	.5	-
349,8	Valves, pipe, and pipe fittings	3.0	-	2.3	-	2.9	-	1.2	-	.6	-
35	MACHINERY, EXCEPT ELECTRICAL	2.6	3.2	1.7	2.4	2.5	2.4	1.1	1.2	.7	0.5
351	Engines and turbines	1.7	-	.7	-	3.3	-	.4	-	1.3	-
3511	Steam engines and turbines	1.1	-	.3	-	1.9	-	.3	-	.2	-
3519	Internal combustion engines, nec	2.0	-	1.0	-	4.2	-	.4	-	1.9	-
352	Farm machinery	2.5	-	1.6	-	3.3	-	1.3	-	1.1	-
353	Construction and related machinery	3.2	-	1.4	-	3.0	-	.9	-	1.6	-
3531,2	Construction and mining machinery	3.9	-	1.0	-	3.8	-	.7	-	2.6	-
3533	Oil field machinery	2.4	-	2.1	-	2.3	-	1.4	-	.3	-
3535,6	Conveyors, hoists, cranes, monorails	1.9	-	1.3	-	2.3	-	.9	-	.9	-
354	Metal working machinery	2.6	-	1.8	-	2.3	-	1.3	-	.4	-
3541	Machine tools, metal cutting types	1.6	-	1.2	-	1.6	-	.8	-	.3	-
3545	Machine tool accessories	2.1	-	1.6	-	1.7	-	1.0	-	.1	-
3542,8	Miscellaneous metal working machinery	2.5	-	1.5	-	2.2	-	1.0	-	.6	-
355	Special industry machinery	2.0	-	1.6	-	2.3	-	1.1	-	.6	-
3551	Food products machinery	2.1	-	1.5	-	2.5	-	1.2	-	.7	-
3552	Textile machinery	2.1	-	1.6	-	3.0	-	1.2	-	1.1	-
356	General industrial machinery	2.1	-	1.5	-	1.9	-	.9	-	.4	-
3561	Pumps and compressors	2.3	-	1.7	-	1.7	-	.8	-	.2	-
3562	Ball and roller bearings	1.9	-	.9	-	1.5	-	.5	-	.1	-
3566	Power transmission equipment	1.7	-	1.2	-	1.9	-	1.0	-	.3	-
357	Office and computing machines	2.4	-	1.9	-	1.8	-	1.0	-	.2	-
3573	Electronic computing equipment	2.5	-	2.1	-	1.7	-	1.0	-	.2	-
358	Service industry machines	3.4	-	2.4	-	3.0	-	1.2	-	.8	-
3585	Refrigeration machinery	3.6	-	2.5	-	2.5	-	1.2	-	.2	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.0	-	1.9	-	2.5	-	1.1	-	.5	-
361	Electric test and distributing equipment	2.6	-	1.8	-	2.5	-	1.2	-	.3	-
3611	Electric measuring instruments	2.5	-	1.9	-	1.9	-	1.2	-	.1	-
3612	Transformers	2.9	-	1.8	-	3.4	-	1.2	-	.8	-
3613	Switchgear and switchboard apparatus	2.4	-	1.8	-	2.4	-	1.2	-	.3	-
362	Electrical industrial apparatus	2.4	-	1.7	-	2.3	-	1.0	-	.4	-
3621	Motors and generators	2.5	-	1.6	-	2.6	-	1.0	-	.4	-
3622	Industrial controls	2.1	-	1.5	-	2.0	-	.8	-	.5	-
363	Household appliances	6.1	-	3.6	-	3.9	-	1.8	-	.9	-
3632	Household refrigerators and freezers	7.7	-	2.9	-	5.6	-	1.0	-	2.7	-
3633	Household laundry equipment	3.7	-	2.1	-	1.4	-	.6	-	.1	-
3634	Electric housewares and fans	5.7	-	4.2	-	4.5	-	2.9	-	.8	-
364	Electric lighting and wiring equipment	3.1	-	2.2	-	2.7	-	1.2	-	.5	-
3641	Electric lamps	1.8	-	1.0	-	2.1	-	.7	-	.3	-
3642	Lighting fixtures	4.1	-	2.6	-	3.3	-	1.4	-	.8	-
3643,4	Wiring devices	2.9	-	2.4	-	2.5	-	1.4	-	.3	-
365	Radio and TV receiving equipment	4.4	-	1.8	-	2.3	-	.8	-	.6	-
366	Communication equipment	1.7	-	1.2	-	1.5	-	.7	-	.3	-
3661	Telephone and telegraph apparatus	1.4	-	.9	-	1.0	-	.4	-	.1	-
3662	Radio and TV communication equipment	1.9	-	1.3	-	1.7	-	.8	-	.4	-
367	Electronic components and accessories	3.2	-	2.3	-	3.0	-	1.6	-	.5	-
3671-3	Electron tubes	2.9	-	1.5	-	2.5	-	.5	-	1.2	-
3674,9	Other electronic components	3.2	-	2.4	-	3.0	-	1.7	-	.4	-
369	Miscellaneous electrical equipment and supplies	2.7	-	1.7	-	2.7	-	1.0	-	.5	-
3694	Engine electrical equipment	3.0	-	1.5	-	2.4	-	.9	-	.3	-
37	TRANSPORTATION EQUIPMENT	3.8	-	2.6	-	3.0	-	1.4	-	.7	-
371	Motor vehicles and equipment	3.2	-	2.2	-	2.2	-	.8	-	.5	-
3711	Motor vehicles	3.6	-	2.5	-	1.7	-	.7	-	.1	-
3712	Passenger car bodies	1.9	-	1.0	-	1.8	-	.4	-	.4	-
3713	Truck and bus bodies	3.8	-	3.3	-	5.0	-	2.8	-	1.2	-
3714	Motor vehicle parts and accessories	2.8	-	1.7	-	2.0	-	.7	-	.5	-
372	Aircraft and parts	1.7	-	1.1	-	1.5	-	.6	-	.3	-
3721	Aircraft	1.5	-	.9	-	1.4	-	.5	-	.4	-
3722	Aircraft engines and engine parts	1.4	-	.9	-	1.1	-	.5	-	.1	-
3723,9	Other aircraft parts and equipment	2.9	-	2.0	-	2.2	-	1.1	-	.6	-
373	Ship and boat building and repairing	6.1	-	4.0	-	5.3	-	2.5	-	1.6	-
3731	Ship building and repairing	6.2	-	3.7	-	5.3	-	2.3	-	1.9	-
374	Railroad equipment	3.6	-	1.2	-	3.2	-	.5	-	1.7	-
375,9	Other transportation equipment	9.7	-	7.9	-	8.1	-	5.2	-	.9	-

See footnotes at end of table.

ESTABLISHMENT DATA LABOR TURNOVER

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Apr. 1977	May 1977 ^p	Apr. 1977	May 1977 ^p	Apr. 1977	May 1977 ^p	Apr. 1977	May 1977 ^p	Apr. 1977	May 1977 ^p
	DURABLE GOODS — Continued										
38	INSTRUMENTS AND RELATED PRODUCTS	2.3	3.0	1.7	2.4	2.3	2.3	1.1	1.1	0.5	0.4
381	Engineering and scientific instruments	1.7	-	1.5	-	1.9	-	.9	-	.4	-
382	Mechanical measuring and control devices	2.5	-	1.8	-	2.8	-	1.1	-	.7	-
3821	Mechanical measuring devices	1.7	-	1.3	-	2.3	-	1.0	-	.6	-
3822	Automatic temperature controls	4.0	-	2.8	-	3.7	-	1.4	-	.9	-
383,5	Optical and ophthalmic goods	3.1	-	2.1	-	2.8	-	1.5	-	.6	-
384	Medical instruments and supplies	2.8	-	2.2	-	2.4	-	1.5	-	.3	-
386	Photographic equipment and supplies	1.3	-	1.0	-	1.2	-	.5	-	.1	-
387	Watches, clocks, and watchcases	3.6	-	2.0	-	4.4	-	1.7	-	1.4	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	4.5	5.2	3.3	3.8	4.1	4.8	2.1	2.3	1.1	1.4
391	Jewelry, silverware, and plated ware	3.4	-	2.6	-	3.4	-	1.8	-	.9	-
394	Toys and sporting goods	6.4	-	4.4	-	5.0	-	2.6	-	1.1	-
3941-3	Games, toys, dolls and play vehicles	7.7	-	4.8	-	5.0	-	2.8	-	.7	-
3949	Sporting and athletic goods, nec	5.2	-	4.0	-	5.1	-	2.4	-	1.4	-
395	Pens, pencils, office and art supplies	3.4	-	3.0	-	2.9	-	1.8	-	.4	-
396	Costume jewelry and notions	5.4	-	3.8	-	5.6	-	2.8	-	1.8	-
393,9	Other manufacturing industries	3.5	-	2.7	-	3.5	-	1.6	-	1.1	-
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	5.3	6.7	3.6	4.8	5.0	5.1	2.3	2.6	1.9	1.7
201	Meat products	6.3	-	4.7	-	6.7	-	3.8	-	1.9	-
2011	Meat packing plants	3.8	-	2.2	-	4.5	-	1.5	-	2.3	-
2015	Poultry dressing plants	10.7	-	9.3	-	10.8	-	8.3	-	1.0	-
204	Grain mill products	2.7	-	1.6	-	2.9	-	1.3	-	.9	-
2041	Flour and other grain mill products	1.9	-	1.2	-	2.3	-	1.0	-	.9	-
2042	Prepared feeds for animals and fowls	3.1	-	2.2	-	3.5	-	2.0	-	.8	-
205	Bakery products	3.1	-	2.5	-	2.7	-	1.6	-	.6	-
2051	Bread, cake, and related products	3.1	-	2.7	-	2.4	-	1.6	-	.3	-
2052	Cookies and crackers	3.1	-	1.5	-	4.0	-	1.2	-	2.1	-
207	Confectionery and related products	5.6	-	2.2	-	6.6	-	1.6	-	4.4	-
2071	Confectionery products	6.9	-	2.6	-	8.3	-	1.9	-	5.6	-
208	Beverages	5.5	-	4.0	-	4.0	-	1.8	-	1.2	-
2082	Malt liquors	4.9	-	3.0	-	2.7	-	.4	-	1.9	-
21	TOBACCO MANUFACTURES	1.3	-	.6	-	4.5	-	.5	-	3.2	-
211	Cigarettes	1.1	-	.4	-	.9	-	.2	-	(1)	-
212	Cigars	1.9	-	1.1	-	5.4	-	1.5	-	3.5	-
22	TEXTILE MILL PRODUCTS	5.0	5.4	3.9	4.4	4.7	5.0	3.1	3.2	.5	.7
221	Weaving mills, cotton	4.2	-	3.3	-	4.4	-	3.0	-	.2	-
222	Weaving mills, synthetics	4.7	-	3.4	-	4.8	-	3.2	-	.6	-
223	Weaving and finishing mills, wool	5.8	-	4.0	-	5.7	-	3.1	-	1.2	-
224	Narrow fabric mills	4.5	-	3.7	-	4.4	-	2.8	-	.8	-
225	Knitting mills	5.6	-	4.3	-	4.8	-	3.3	-	.6	-
2251	Women's hosiery, except socks	3.8	-	3.2	-	5.0	-	3.3	-	1.2	-
2252	Hosiery, nec	4.7	-	4.2	-	4.5	-	3.4	-	.4	-
2254	Knit underwear mills	4.9	-	4.5	-	4.2	-	3.1	-	.3	-
226	Textile finishing, except wool	4.6	-	3.4	-	3.1	-	1.9	-	.2	-
227	Floor covering mills	4.2	-	3.6	-	4.4	-	2.6	-	.8	-
228	Yarn and thread mills	6.1	-	5.1	-	5.9	-	4.3	-	.4	-
229	Miscellaneous textile goods	4.0	-	2.9	-	3.8	-	2.1	-	.5	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.5	6.5	3.7	4.5	6.0	6.5	3.1	4.1	2.1	1.6
231	Men's and boys' suits and coats	5.4	-	2.4	-	5.0	-	1.7	-	2.5	-
232	Men's and boys' furnishings	5.9	-	4.2	-	5.9	-	4.0	-	1.2	-
2321	Men's and boys' shirts and nightwear	5.8	-	3.6	-	5.8	-	3.5	-	1.7	-
2327	Men's and boys' separate trousers	4.6	-	3.7	-	5.0	-	3.6	-	.9	-
2328	Men's and boys' work clothing	6.1	-	5.1	-	6.4	-	5.3	-	.4	-
234	Women's and children's undergarments	4.7	-	3.7	-	5.2	-	3.5	-	1.0	-
2341	Women's and children's underwear	4.8	-	3.8	-	5.6	-	3.9	-	1.0	-
2342	Corsets and allied garments	4.3	-	3.2	-	4.0	-	2.2	-	1.0	-
26	PAPER AND ALLIED PRODUCTS	2.7	3.5	1.9	2.8	2.1	2.2	1.0	1.1	.4	.4
261,2,6	Paper and pulp mills	1.8	-	1.1	-	1.1	-	.5	-	.2	-
263	Paperboard mills	1.8	-	1.4	-	1.5	-	.7	-	.2	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates				Separation rates					
		Total		New hires		Total		Quits		Layoffs	
		Apr. 1977	May ^p 1977	Apr. 1977	May ^p 1977	Apr. 1977	May ^p 1977	Apr. 1977	May ^p 1977	Apr. 1977	May ^p 1977
	NONDURABLE GOODS—Continued										
	PAPER AND ALLIED PRODUCTS—Continued										
264	Miscellaneous converted paper products	3.0	-	2.2	-	2.4	-	1.3	-	0.5	-
2643	Bags, except textile bags	3.4	-	2.7	-	3.0	-	1.7	-	.7	-
265	Paperboard containers and boxes	3.5	-	2.5	-	3.0	-	1.5	-	.7	-
2651,2	Folding and setup paperboard boxes	3.8	-	2.7	-	3.5	-	1.6	-	.9	-
2653	Corrugated and solid fiber boxes	2.9	-	1.9	-	2.5	-	1.2	-	.6	-
27	PRINTING AND PUBLISHING	2.9	3.7	2.3	2.8	2.9	3.2	1.6	1.8	.6	0.8
28	CHEMICALS AND ALLIED PRODUCTS	1.8	2.3	1.3	1.8	1.6	1.7	.7	.7	.3	.4
281	Industrial chemicals	1.4	-	1.1	-	1.2	-	.4	-	.3	-
282	Plastics materials and synthetics	1.6	-	.9	-	1.1	-	.5	-	.1	-
2821	Plastics materials and resins	1.6	-	1.3	-	1.2	-	.5	-	.1	-
2823,4	Synthetic fibers	1.6	-	.7	-	1.0	-	.5	-	.3	-
283	Drugs	1.5	-	1.2	-	1.4	-	.7	-	.3	-
2834	Pharmaceutical preparations	1.6	-	1.3	-	1.5	-	.7	-	.3	-
284	Soap, cleaners, and toilet goods	1.9	-	1.2	-	2.0	-	.7	-	.5	-
2841	Soap and other detergents	1.8	-	.7	-	1.4	-	.4	-	.4	-
2844	Toilet preparations	2.3	-	1.4	-	2.3	-	1.0	-	.6	-
285	Paints and allied products	2.5	-	1.9	-	1.9	-	.9	-	.5	-
286,9	Other chemical products	2.3	-	1.9	-	2.7	-	1.0	-	.3	-
29	PETROLEUM AND COAL PRODUCTS	2.3	3.2	1.6	2.6	1.4	1.5	.7	.7	.1	.2
291	Petroleum refining	1.2	-	1.0	-	1.0	-	.4	-	.1	-
295,9	Other petroleum and coal products	6.0	-	3.5	-	3.0	-	1.7	-	.4	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	4.7	6.0	3.6	4.9	4.4	4.4	2.4	2.7	.9	.6
301	Tires and inner tubes	2.1	-	1.4	-	1.5	-	.5	-	.2	-
302,3,6	Other rubber products	4.0	-	2.8	-	3.7	-	2.1	-	.7	-
307	Miscellaneous plastics products	6.0	-	4.7	-	5.6	-	3.2	-	1.1	-
31	LEATHER AND LEATHER PRODUCTS	6.3	7.5	4.9	5.9	6.6	6.4	3.7	4.3	1.9	.9
311	Leather tanning and finishing	4.4	-	3.7	-	4.8	-	2.3	-	1.5	-
314	Footwear, except rubber	7.1	-	5.6	-	6.8	-	4.5	-	1.2	-
	NONMANUFACTURING										
10	METAL MINING	2.8	4.6	1.6	3.8	1.9	1.9	1.2	1.2	.1	.1
101	Iron ores	2.1	-	.5	-	1.1	-	.3	-	.2	-
102	Copper ores	2.4	-	1.3	-	1.7	-	.9	-	.1	-
11,12	COAL MINING	2.9	2.1	1.4	1.7	1.5	1.4	.9	.6	.2	.5
12	Bituminous coal and lignite mining	2.9	-	1.4	-	1.6	-	.8	-	.2	-
	COMMUNICATION:										
481	Telephone communication .....	.9	-	-	-	.7	-	.3	-	.1	-
482	Telegraph communication ² .....	.9	-	-	-	.6	-	.3	-	.2	-

¹ Less than 0.05.

p = preliminary.

² Data relate to all employees except messengers.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1965 to date, seasonally adjusted

(Per 100 employees)

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.,	Dec.
Total accessions												
1965.....	4.1	4.2	4.3	4.1	4.1	4.2	4.2	4.3	4.5	4.4	4.7	4.9
1966.....	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967.....	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968.....	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
1969.....	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970.....	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971.....	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972.....	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.4	4.4	4.5	4.5	4.9
1973.....	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.7	4.6	4.8	4.9	4.7
1974.....	4.6	4.5	4.5	4.6	4.6	4.3	4.3	4.1	3.9	3.6	3.1	3.1
1975.....	3.1	3.2	3.2	3.7	3.6	3.7	4.0	3.9	3.8	3.7	3.7	3.9
1976.....	4.1	4.2	4.4	4.1	4.0	3.8	3.8	3.8	3.6	3.5	3.8	4.0
1977.....	4.0	4.6	4.3	4.1	4.1 ^P							
New hires												
1965.....	2.9	3.0	3.1	2.9	2.9	3.0	3.0	3.1	3.1	3.3	3.5	3.7
1966.....	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967.....	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.1	3.3	3.3	3.4	3.5
1968.....	3.3	3.3	3.4	3.5	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.7
1969.....	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970.....	3.4	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971.....	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972.....	3.0	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.4	3.6	3.8
1973.....	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.6	3.8	3.9	3.8
1974.....	3.7	3.6	3.6	3.6	3.5	3.3	3.3	3.1	2.9	2.6	2.2	1.9
1975.....	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2	2.2	2.5
1976.....	2.6	2.8	3.0	2.8	2.7	2.7	2.5	2.5	2.4	2.3	2.4	2.5
1977.....	2.7	2.9	3.0	3.0	3.1 ^P							
Total separations												
1965.....	3.8	3.8	3.8	4.0	4.0	4.0	3.9	4.4	4.1	4.3	4.3	4.5
1966.....	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967.....	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968.....	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
1969.....	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970.....	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971.....	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972.....	4.2	4.1	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.5
1973.....	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.5	4.7	4.7	4.7
1974.....	4.9	4.9	4.8	4.7	4.6	4.6	4.5	4.5	4.5	4.9	5.1	4.9
1975.....	5.2	5.0	4.5	4.4	4.6	4.3	3.9	3.8	3.9	3.8	3.8	3.6
1976.....	3.5	3.6	3.8	3.8	3.8	3.9	3.9	4.0	4.1	4.0	3.6	3.6
1977.....	3.9	4.1	3.7	3.8	3.9 ^P							
Quits												
1965.....	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.2
1966.....	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
1967.....	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.3	2.4
1968.....	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969.....	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970.....	2.5	2.5	2.3	2.3	2.1	2.1	2.1	2.0	2.0	1.9	1.8	1.9
1971.....	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972.....	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973.....	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.7
1974.....	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.6
1975.....	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.4	1.6	1.6
1976.....	1.6	1.7	1.8	1.8	1.7 ^P	1.8	1.7	1.7	1.6	1.5	1.5	1.7
1977.....	1.8	1.9	1.9	1.9	1.9 ^P							
Layoffs												
1965.....	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.7	1.4	1.4	1.4	1.4
1966.....	1.2	1.1	1.1	1.1	1.1	1.2	1.5	1.2	1.0	1.1	1.2	1.3
1967.....	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968.....	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.1
1969.....	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970.....	1.5	1.7	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.2	2.0	1.7
1971.....	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972.....	1.2	1.2	1.1	1.2	1.1	1.4	1.3	1.1	1.0	1.0	.9	.9
1973.....	.8	.7	.8	.8	.8	.8	.8	.9	.9	.9	.9	1.0
1974.....	1.3	1.2	1.1	1.0	1.1	1.2	1.2	1.3	1.5	2.0	2.4	2.4
1975.....	2.9	2.9	2.6	2.4	2.5	2.2	1.7	1.6	1.8	1.7	1.5	1.3
1976.....	1.1	1.0	1.1	1.2	1.3	1.3	1.4	1.4	1.7	1.6	1.3	1.1
1977.....	1.3	1.4	1.0	1.0	1.1 ^P							

p=preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
ALABAMA:										
Birmingham	4.9	3.5	1.9	1.7	3.6	3.0	1.2	1.2	1.6	1.0
Mobile ¹	6.6	6.5	2.6	1.9	6.1	6.2	1.7	1.6	3.8	3.9
ALASKA	13.3	14.9	10.3	11.9	11.3	9.0	6.4	5.4	3.9	2.9
ARIZONA	3.9	4.3	3.1	3.2	3.6	3.4	1.8	2.0	.9	.5
Phoenix	3.9	4.5	3.3	3.3	3.6	3.6	1.8	2.0	.8	.5
ARKANSAS	7.1	6.9	5.6	5.9	5.5	6.5	3.9	4.6	.5	.7
Fort Smith	7.5	7.2	6.1	6.1	6.4	7.4	4.2	4.7	.4	.9
Little Rock—North Little Rock	5.5	5.2	4.8	4.7	5.0	5.5	3.5	3.7	.2	.4
Pine Bluff	4.8	3.6	3.5	2.8	4.1	3.9	2.8	3.0	.6	.4
COLORADO²	4.5	3.5	3.5	3.0	3.9	3.7	1.8	1.9	1.4	.8
Denver—Boulder ²	4.6	3.7	3.8	3.3	2.7	3.1	1.8	1.9	.2	.4
CONNECTICUT	2.3	2.2	1.5	1.4	2.3	2.2	.9	1.0	.8	.5
Hartford ²	1.9	(*)	1.2	(*)	1.8	(*)	.7	(*)	.6	(*)
DELAWARE¹	2.9	2.6	1.1	1.5	2.4	2.0	.7	.7	1.2	.6
Wilmington ¹	3.2	2.5	.9	1.3	1.8	1.5	.5	.5	.7	.4
DISTRICT OF COLUMBIA:										
Washington SMSA ²	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
FLORIDA	4.9	4.8	4.1	4.1	5.2	4.6	2.5	2.6	1.8	1.1
Fort Lauderdale—Hollywood	6.1	5.7	5.9	5.5	4.9	5.7	3.4	3.3	.4	.7
Jacksonville	6.5	4.8	5.2	4.2	4.3	2.9	1.9	1.9	1.1	.3
Miami	4.8	4.8	4.0	4.3	4.0	3.5	2.4	2.2	.8	.6
Orlando	5.7	4.7	4.1	3.8	5.5	4.3	2.7	2.2	1.9	1.4
Pensacola	1.7	2.7	1.5	2.0	3.4	1.8	1.1	1.2	1.9	.1
Tampa—St. Petersburg	5.0	4.9	4.1	4.0	6.4	4.4	3.1	3.1	2.4	.3
West Palm Beach—Boca Raton	4.0	3.0	3.8	2.8	7.1	3.3	2.3	1.5	3.9	1.0
GEORGIA³	4.4	4.1	3.4	3.5	3.7	3.8	2.5	2.5	.4	.4
Atlanta ^{3 4}	4.2	3.4	2.5	2.8	2.9	3.0	1.5	1.8	.7	.6
HAWAII^{2 5}	1.7	1.7	1.3	1.3	2.7	1.7	.6	.8	.4	.3
IDAHO⁶	7.2	7.6	6.4	4.8	8.4	7.4	3.4	3.7	3.8	2.3
ILLINOIS:										
Chicago SMSA	3.1	2.8	2.3	2.2	3.1	2.9	1.4	1.4	.7	.6
INDIANA	3.6	3.4	2.1	2.3	2.7	2.8	1.2	1.4	.7	.6
Indianapolis ⁷	2.6	2.5	1.8	1.6	2.0	1.9	.8	.8	.5	.3
IOWA²	3.4	3.1	2.2	2.2	2.9	2.7	1.5	1.5	.9	.6
Cedar Rapids ²	2.4	2.1	1.0	1.2	2.3	1.7	.7	.8	1.3	.6
Des Moines ²	2.6	2.3	1.5	1.3	2.7	2.8	1.3	1.3	.6	.5
KANSAS	4.4	4.5	3.7	3.8	4.0	4.3	2.8	2.8	.5	.6
Topeka	3.4	4.1	2.9	3.7	2.4	3.1	1.7	1.8	.1	.6
Wichita	3.6	3.8	3.2	3.2	3.6	3.6	2.4	2.5	.3	.3
KENTUCKY	3.8	4.5	2.1	2.7	3.1	3.9	1.4	1.8	.8	.9
Louisville	1.9	3.6	.8	2.0	1.1	2.1	.4	.7	.2	.3
LOUISIANA:										
New Orleans	3.8	3.7	3.1	2.8	3.8	3.2	1.9	1.9	.9	.4
MAINE	5.9	6.2	4.5	4.8	5.5	5.3	2.9	3.2	1.7	1.2
Portland	3.5	3.3	2.9	2.9	2.9	3.0	1.9	1.6	.4	.7
MARYLAND	4.0	3.4	1.8	2.0	2.6	2.6	.9	1.0	1.1	1.0
Baltimore	4.3	3.5	1.7	1.9	2.3	2.3	.8	.9	.8	.8
MASSACHUSETTS	3.4	3.3	2.3	2.3	2.9	3.0	1.2	1.4	1.0	.8
Boston	2.8	2.9	2.0	2.0	2.3	2.7	1.0	1.1	.6	.8
MICHIGAN	3.0	2.8	1.7	1.7	2.1	2.3	.8	.8	.6	.7
Detroit	3.5	3.1	2.1	2.0	2.3	2.1	1.0	1.0	.4	.3
Flint	2.1	1.8	1.4	1.3	1.7	1.4	.4	.4	.5	.2
Grand Rapids	4.3	3.3	1.9	1.5	2.3	3.8	1.0	1.4	.4	1.3
Lansing—East Lansing	3.9	2.9	1.4	1.0	3.4	3.3	.9	.6	1.2	1.1

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P	Mar. 1977	Apr. 1977 ^P
MINNESOTA	3.3	3.3	2.2	2.2	2.9	2.9	1.4	1.6	0.9	0.8
Minneapolis—St. Paul	2.9	2.7	2.1	2.1	2.4	2.4	1.3	1.4	.5	.4
MISSISSIPPI:										
Jackson	4.7	5.0	3.4	3.6	3.0	4.2	2.1	2.3	.1	.6
MISSOURI ²	3.4	3.6	2.4	2.6	3.0	3.2	1.5	1.6	.7	.8
Kansas City ²	3.7	3.1	2.8	2.6	2.7	3.1	1.6	1.4	.4	.7
St. Louis ²	2.8	3.0	1.6	2.0	2.7	2.5	.9	1.1	1.0	.7
MONTANA ²	3.2	4.0	2.6	3.0	3.9	3.1	1.3	1.8	2.0	.6
NEBRASKA ²	3.9	4.5	3.1	3.6	3.8	4.3	2.4	3.0	.7	.5
NEVADA ²	8.1	7.4	6.2	6.5	5.6	6.2	3.1	3.8	.9	.6
NEW HAMPSHIRE	4.1	4.3	3.1	3.0	4.0	3.5	2.1	2.3	1.2	.5
NEW JERSEY:										
Camden ⁸	3.1	2.7	1.8	1.6	2.8	3.1	.7	1.0	1.3	1.3
Hecksensack	4.4	3.5	3.4	3.1	3.3	3.7	1.6	1.7	.6	.8
Jersey City	3.8	3.5	2.0	1.7	3.0	2.8	.8	.8	1.3	1.3
Newark	3.3	3.0	2.1	2.0	2.7	3.1	1.1	1.0	.9	1.2
New Brunswick—Parth Amboy—Sayreville	4.2	3.7	2.9	2.5	3.8	3.9	1.2	1.1	1.5	1.6
Paterson—Clifton—Passaic	4.2	3.8	2.6	2.4	3.5	3.5	1.1	1.2	1.6	1.5
Trenton	2.6	2.6	1.8	1.7	2.3	2.6	.9	.9	.7	.9
NEW YORK ³	3.8	3.5	2.2	2.1	3.1	3.3	1.0	1.0	1.3	1.5
Albany—Schenectady—Troy ³	2.6	2.6	1.3	1.3	2.1	2.6	.6	.7	.8	1.0
Binghamton ³	2.5	2.6	2.0	2.0	2.3	2.2	1.1	1.1	.5	.4
Buffalo ³	3.0	2.3	1.5	1.2	1.8	2.1	.6	.5	.5	.8
Elmira ³	2.3	3.1	1.2	2.1	2.3	2.1	.6	1.0	.4	.4
Monroe County ^{3, 9}	2.0	1.6	1.5	1.2	1.5	1.5	.6	.6	.3	.3
Nassau—Suffolk ^{3, 10}	4.9	3.5	3.3	2.9	3.3	3.3	1.7	1.7	.8	.8
New York and Nassau—Suffolk ³	4.8	4.4	2.8	2.6	4.2	4.1	1.1	1.1	2.1	2.2
New York SMSA ^{3, 10}	4.7	4.6	2.6	2.5	4.4	4.3	1.0	.9	2.4	2.6
New York City ^{3, 11}	5.0	4.9	2.8	2.6	4.7	4.6	1.0	1.0	2.6	2.8
Rochester ³	2.5	2.0	1.6	1.4	2.0	1.7	.7	.7	.6	.5
Syracuse ³	2.4	2.2	1.4	1.3	2.1	2.1	.8	1.0	.7	.5
Utica—Rome ³	3.4	3.0	1.8	1.9	3.0	2.3	.9	.8	1.5	1.0
Westchester County ^{3, 11}	2.5	2.3	1.7	1.6	2.4	2.5	.9	.8	.7	.8
NORTH CAROLINA	4.2	4.2	3.4	3.6	4.1	4.1	2.8	3.1	.5	.3
Charlotte—Gastonia	5.2	5.0	4.4	4.3	4.6	4.7	3.6	3.7	.3	.2
Greensboro—Winston-Salem—High Point	3.6	3.8	3.1	3.3	3.4	3.5	2.4	2.7	.2	.1
NORTH DAKOTA ³	3.8	5.4	1.9	3.1	6.3	6.2	2.3	2.5	3.4	3.2
Fargo—Moorhead ³	4.7	10.2	2.7	3.6	8.5	4.7	2.4	2.6	5.1	1.5
OHIO	3.8	3.0	1.6	1.8	2.2	2.1	.8	.9	.7	.5
Akron	2.1	1.7	.7	.7	1.3	1.8	.5	.6	.4	.6
Canton	4.1	3.0	1.4	1.4	3.1	1.8	.6	.6	1.5	.4
Cincinnati	2.6	2.9	1.4	1.9	2.3	2.3	.9	.9	.8	.7
Cleveland	3.1	2.8	2.0	2.0	2.4	2.3	1.0	1.1	.6	.4
Columbus	3.9	2.9	1.8	1.9	2.1	2.2	1.0	1.0	.5	.4
Dayton	2.3	3.2	1.7	2.3	1.7	2.1	.7	.9	.3	.4
Toledo	2.7	2.1	1.0	1.2	2.0	1.9	.6	.6	.7	.6
Youngstown—Warren	7.1	3.5	.5	1.1	2.1	1.6	.3	.4	.7	.4
OKLAHOMA	5.7	5.4	4.8	4.6	5.5	5.5	3.4	3.9	.9	.6
Oklahoma City	5.5	5.4	4.6	4.7	4.9	5.2	3.2	3.8	.6	.5
Tulsa ¹²	5.0	4.7	4.6	4.2	4.8	4.9	3.1	3.4	.8	.6
OREGON ¹	4.5	5.0	3.3	3.7	4.1	4.4	2.0	2.3	1.2	1.2
Portland ¹	4.5	5.0	3.1	3.4	4.1	4.1	1.8	2.1	1.3	1.2
PENNSYLVANIA	3.9	3.5	1.5	1.5	2.9	3.3	.8	.9	1.4	1.8
Allentown—Bethlehem—Easton	3.6	2.6	1.4	1.1	2.9	2.6	.7	.8	1.6	1.3
Altoona	4.5	5.0	2.0	2.0	4.3	2.4	1.2	1.3	2.6	.5
Erie	3.2	2.5	1.6	1.3	2.3	2.3	.8	.8	.8	.9
Harrisburg	3.3	3.4	1.2	1.4	3.4	4.9	1.2	1.3	1.8	3.1
Johnstown	3.7	3.7	1.1	1.1	2.3	3.4	.6	.8	1.2	2.2
Lancaster	2.7	2.7	1.9	2.0	2.4	2.5	1.2	1.5	.6	.4

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates				Separation rates					
	Total		New hires		Total		Quits		Layoffs	
	Mar. 1977	Apr. 1977 ^p	Mar. 1977	Apr. 1977 ^p	Mar. 1977	Apr. 1977 ^p	Mar. 1977	Apr. 1977 ^p	Mar. 1977	Apr. 1977 ^p
PENNSYLVANIA—Continued										
Northeast Pennsylvania	4.0	3.4	1.7	1.4	4.4	3.5	0.9	1.0	2.9	1.9
Philadelphia SMSA	3.1	2.5	1.6	1.4	2.5	2.8	.7	.9	1.1	1.2
Pittsburgh	5.0	3.2	.8	1.0	2.5	2.1	.4	.3	1.5	1.1
Reading	4.2	2.9	2.3	1.9	4.4	3.9	1.1	1.4	2.5	1.9
Scranton ¹³	4.4	2.5	1.6	1.4	2.4	3.8	1.1	.9	1.0	2.3
Wilkes-Barre—Hazleton ¹³	3.7	3.8	1.6	1.3	5.6	3.6	.8	1.1	4.0	1.8
Williamsport	2.5	2.5	1.1	1.1	2.0	1.3	.8	.8	.7	.1
York	4.0	3.2	2.3	1.9	3.4	3.7	1.4	1.5	1.4	1.6
RHODE ISLAND										
Providence—Warwick—Pawtucket	4.6	4.9	3.3	3.5	5.4	5.0	2.4	2.5	2.1	1.5
.....	4.8	4.6	3.5	3.4	5.4	4.7	2.5	2.5	2.1	1.3
SOUTH CAROLINA										
Charleston—North Charleston	4.1	3.9	3.1	3.3	3.7	3.6	2.4	2.5	.4	.3
.....	7.5	3.9	4.1	3.0	3.7	3.9	2.6	1.9	.2	.8
Columbia	8.1	6.1	6.4	5.9	5.2	4.9	4.0	3.6	.4	.6
Greenville—Spartanburg	4.0	4.1	3.5	3.6	4.2	4.2	2.8	2.9	.4	.2
SOUTH DAKOTA²										
Sioux Falls ²	3.7	3.5	2.5	2.8	3.6	5.2	2.2	2.4	.8	2.3
.....	3.2	2.9	1.9	1.6	3.7	4.4	1.8	1.3	1.3	2.5
TENNESSEE:										
Memphis ³	3.9	3.9	2.9	3.1	3.3	3.0	1.6	1.4	.7	.8
TEXAS:										
Dallas—Fort Worth	4.8	4.7	4.4	4.3	4.3	4.2	3.0	3.0	.5	.3
Houston	3.9	3.4	3.4	3.0	3.7	3.4	2.5	2.4	.3	.2
San Antonio	4.6	3.5	3.9	2.9	4.0	3.4	2.5	2.2	.8	.5
UTAH⁵										
Salt Lake City—Ogden ⁵	5.8	5.0	4.6	4.1	5.1	4.6	2.9	3.1	1.3	.6
.....	6.5	4.5	5.8	4.0	5.8	4.5	3.6	2.9	.5	.5
VERMONT										
Burlington	4.3	3.5	2.1	2.5	3.4	2.6	1.2	1.4	1.6	.6
.....	2.2	2.8	1.2	2.2	1.8	1.2	.7	.6	.7	.3
Springfield	7.4	3.4	1.2	1.8	7.1	2.6	.7	1.0	6.0	.6
VIRGINIA										
Richmond	3.1	3.4	2.4	2.6	3.4	3.4	1.7	1.8	.9	.8
.....	1.5	2.0	1.2	1.5	2.9	1.9	.8	.9	1.4	.2
WASHINGTON:										
Seattle—Everett ^{2 14}	3.7	3.6	2.0	2.3	2.8	3.3	1.0	1.3	1.1	1.3
WISCONSIN										
Milwaukee	2.9	2.9	1.6	1.7	2.7	2.6	.9	1.1	.9	.7
.....	2.7	2.3	1.4	1.4	2.5	2.5	.7	.9	.8	.8
WYOMING										
.....	5.1	7.2	4.4	5.6	9.7	6.1	3.2	4.0	5.4	1.5

¹ Excludes canning and preserving.
² Based on the 1967 Standard Industrial Classification.
³ Based on the 1972 Standard Industrial Classification; not strictly comparable with previously published data.
⁴ Excludes agricultural chemicals, and miscellaneous manufacturing.
⁵ Excludes canned fruits, vegetables, preserves, jams, and jellies.
⁶ Excludes canning and preserving, and sugar.
⁷ Excludes canning and preserving, and newspapers.
⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.
⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹⁰ Area included in New York and Nassau—Suffolk combined SMSA's.
¹¹ Subarea of New York Standard Metropolitan Statistical Area.
¹² Excludes new-hire rate for transportation equipment.
¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.
¹⁴ Excludes canning and preserving, printing and publishing.
^p preliminary.
^{*} Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P
ALABAMA	1,487.1	1,502.3	1,521.3	97.5	86.8	84.2	6.6	5.8	5.5
Birmingham	352.4	358.4	362.2	23.8	18.6	19.5	6.7	5.2	5.4
Huntsville	122.7	122.9	123.9	8.1	7.5	6.8	6.6	6.1	5.5
Mobile	162.8	168.6	170.0	10.0	10.6	9.8	6.1	6.3	5.8
Montgomery	103.6	103.4	104.3	5.1	4.5	4.6	4.9	4.3	4.4
Tuscaloosa	51.0	52.4	52.6	2.7	2.8	2.6	5.4	5.4	5.0
ALASKA	165.0	153.4	153.5	13.5	21.8	21.3	8.2	14.2	13.9
ARIZONA	950.1	955.0	955.4	91.3	69.3	65.3	9.6	7.3	6.8
Phoenix	553.6	558.5	559.3	55.0	39.0	36.8	9.9	7.0	6.6
Tucson	181.2	182.4	182.2	14.5	11.6	11.4	8.0	6.4	6.2
ARKANSAS	883.3	887.1	909.5	57.4	51.4	48.5	6.5	5.8	5.3
Fayetteville-Springdale	64.1	66.4	67.2	3.2	2.9	2.6	5.0	4.3	3.9
Fort Smith ¹	75.1	78.1	79.8	4.7	4.5	4.5	6.3	5.8	5.7
Little Rock-North Little Rock	164.5	168.9	171.6	6.9	6.5	6.3	4.2	3.9	3.7
Pine Bluff	33.4	33.2	33.8	2.5	1.9	2.0	7.4	5.9	5.9
CALIFORNIA	9,721.4	9,812.7	9,931.9	885.4	774.5	770.5	9.1	7.9	7.8
Anaheim-Santa Ana-Garden Grove	824.0	853.4	859.2	48.3	36.8	37.0	5.9	4.3	4.3
Bakersfield	156.9	150.5	155.0	12.7	13.1	10.4	8.1	8.7	6.7
Fresno	227.4	223.9	239.1	18.6	19.2	18.7	8.2	8.6	7.8
Los Angeles-Long Beach	3,274.1	3,311.2	3,320.7	295.1	244.3	244.9	9.0	7.4	7.4
Modesto	116.8	119.9	124.8	18.6	16.4	18.1	15.9	13.7	14.5
Oxnard-Simi Valley-Ventura	180.3	184.0	185.1	14.3	11.5	11.2	7.9	6.3	6.1
Riverside-San Bernardino-Ontario	483.3	485.5	488.9	46.0	39.5	40.9	9.5	8.1	8.4
Sacramento	389.2	407.7	413.7	32.8	31.6	31.9	8.4	7.8	7.7
Salinas-Seaside-Monterey	115.9	113.5	120.0	7.9	8.4	7.2	6.8	7.4	6.0
San Diego	654.8	657.7	661.9	77.5	67.5	66.4	11.8	10.3	10.0
San Francisco-Oakland	1,520.5	1,506.5	1,512.7	155.9	130.5	129.7	10.3	8.7	8.6
San Jose	567.3	570.1	575.8	45.9	36.7	36.8	8.1	6.4	6.4
Santa Barbara-Santa Maria-Lompoc	124.3	129.8	130.5	8.0	7.4	7.6	6.4	5.7	5.8
Santa Rosa	101.3	104.3	105.9	10.4	9.5	9.1	10.3	9.1	8.6
Stockton	149.7	144.7	158.2	14.1	15.4	14.3	9.4	10.6	9.0
Vallejo-Fairfield-Napa	105.5	111.1	112.0	6.8	8.6	8.3	6.4	7.7	7.4
COLORADO	1,225.1	1,228.7	1,243.7	62.3	75.7	68.6	5.1	6.2	5.5
Denver-Boulder	723.6	730.5	734.2	37.2	44.7	40.8	5.1	6.1	5.6
CONNECTICUT	1,475.4	1,459.8	1,464.2	135.7	114.7	107.1	9.2	7.9	7.3
Bridgeport	184.8	180.4	179.8	19.8	14.7	13.9	10.7	8.1	7.7
Hartford	349.8	347.5	348.7	29.8	25.6	23.4	8.5	7.4	6.7
New Britain	70.4	69.7	69.8	7.8	6.4	6.0	11.0	9.1	8.5
New Haven-West Haven	198.1	193.4	194.8	18.9	18.0	16.8	9.6	9.3	8.6
Stamford	106.7	106.8	106.4	6.9	6.2	5.8	6.5	5.8	5.5
Waterbury	105.5	104.9	104.4	10.7	9.2	8.7	10.2	8.8	8.3
DELAWARE	259.6	261.0	262.9	22.9	21.4	19.8	8.8	8.2	7.5
Wilmington ¹	231.4	228.4	229.8	20.6	18.1	16.4	8.9	7.9	7.1
DISTRICT OF COLUMBIA	333.1	331.8	335.0	29.0	26.9	26.5	8.7	8.1	7.9
Washington SMSA ¹	1,458.8	1,457.0	1,472.5	72.4	67.2	66.2	5.0	4.6	4.5
FLORIDA	3,485.6	3,553.0	3,533.1	297.5	253.0	244.8	8.5	7.1	6.9
Fort Lauderdale-Hollywood	344.1	354.8	348.0	38.7	29.7	28.8	11.3	8.4	8.3
Jacksonville	293.1	300.8	301.5	17.1	17.1	16.7	5.8	5.7	5.6
Miami	670.2	664.6	659.0	61.3	49.6	45.6	9.1	7.5	6.9
Orlando	272.8	279.6	278.0	23.1	19.5	19.4	8.5	7.0	7.0
Pensacola	106.6	110.9	112.7	5.2	5.0	5.2	4.9	4.5	4.6
Tampa-St. Petersburg	545.2	554.2	552.3	47.6	41.0	40.5	8.7	7.4	7.3
West Palm Beach-Boca Raton	192.6	198.3	194.9	19.4	16.1	15.1	10.1	8.1	7.7
GEORGIA	2,207.9	2,190.3	2,207.9	177.0	137.5	136.2	8.0	6.3	6.2
Atlanta	896.6	888.9	889.4	66.9	52.1	51.0	7.5	5.9	5.7
Augusta ¹	114.6	110.6	112.4	9.5	7.5	7.8	8.3	6.8	6.9
Columbus ¹	84.8	77.2	78.2	6.8	5.3	5.3	8.1	6.9	6.8
Macon	100.0	94.2	94.3	9.9	8.1	7.9	9.9	8.6	8.4
Savannah	81.3	79.3	79.4	7.4	5.8	5.9	9.1	7.3	7.5

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P
HAWAII	399.8	395.3	397.5	38.4	29.3	29.7	9.6	7.4	7.5
Honolulu	320.7	317.0	318.9	29.7	22.5	22.9	9.3	7.1	7.2
IDAHO	364.2	373.4	381.2	19.5	21.5	18.2	5.3	5.8	4.8
Boise City	72.0	74.5	76.3	2.5	2.6	2.3	3.4	3.5	3.0
ILLINOIS	5,073.1	5,116.9	5,185.7	297.9	257.9	247.3	5.9	5.0	4.8
Bloomington—Normal	58.2	58.4	59.3	1.9	1.9	1.8	3.2	3.2	3.1
Champaign—Urbana—Rantoul	78.5	74.4	75.3	2.6	2.6	2.5	3.3	3.4	3.3
Chicago	3,186.0	3,201.8	3,231.0	192.2	151.4	145.3	6.0	4.7	4.5
Davenport—Rock Island—Moline ¹	176.0	174.1	175.2	8.0	6.8	6.1	4.6	3.9	3.5
Decatur	59.5	58.7	59.1	3.7	3.6	3.6	6.2	6.2	6.0
Peoria	171.4	166.3	168.9	6.7	7.5	7.3	3.9	4.5	4.3
Rockford	134.5	129.4	130.2	9.7	7.1	6.7	7.2	5.5	5.1
Springfield	91.3	88.0	91.3	4.4	4.7	4.4	4.8	5.3	4.8
INDIANA	2,440.5	2,432.0	2,466.7	140.9	119.1	112.6	5.8	4.9	4.6
Evansville ¹	132.4	130.6	132.5	5.3	4.9	4.3	4.0	3.7	3.3
Fort Wayne	177.7	176.2	179.2	8.6	6.5	6.2	4.8	3.7	3.4
Gary—Hammond—East Chicago	276.1	275.3	280.0	16.2	13.8	12.6	5.8	5.0	4.5
Indianapolis	557.4	556.7	563.8	35.9	31.7	31.0	6.4	5.7	5.5
Muncie	55.8	56.6	56.8	3.2	2.5	2.1	5.7	4.3	3.6
South Bend	133.5	132.6	133.5	5.8	5.4	5.1	4.3	4.1	3.8
Terre Haute	75.5	74.9	75.1	4.2	3.7	3.3	5.6	4.9	4.5
IOWA	1,364.1	1,337.7	1,371.5	49.6	40.0	37.2	3.6	3.0	2.7
Cedar Rapids	79.1	78.1	79.2	2.9	2.4	2.4	3.7	3.0	3.0
Des Moines	163.8	162.5	164.2	6.7	5.0	5.1	4.1	3.1	3.1
Dubuque	41.9	41.5	42.3	2.1	1.7	1.7	4.9	4.0	4.1
Sioux City ¹	57.8	57.2	58.4	2.0	1.9	1.8	3.5	3.4	3.1
Waterloo—Cedar Falls	62.0	61.2	61.8	3.6	2.3	2.1	5.9	3.7	3.4
KANSAS	1,095.3	1,088.0	1,108.5	41.6	37.9	37.0	3.8	3.5	3.3
Topeka	85.0	84.8	85.8	3.5	3.0	2.9	4.1	3.5	3.4
Wichita	189.9	192.8	194.2	9.6	8.8	8.5	5.1	4.6	4.4
KENTUCKY	1,435.2	1,454.4	1,472.2	71.8	63.8	52.6	5.0	4.4	3.6
Lexington—Fayette	147.0	154.3	155.5	4.3	3.8	3.2	2.9	2.5	2.1
Louisville ¹	391.9	387.6	390.6	22.6	17.6	14.7	5.8	4.5	3.8
LOUISIANA	1,490.2	1,514.4	1,527.5	101.8	111.6	110.1	6.8	7.4	7.2
Baton Rouge	187.6	191.9	193.9	10.8	12.8	14.1	5.8	6.7	7.3
Lake Charles	59.3	58.6	61.3	4.6	4.6	5.7	7.8	7.9	9.2
Monroe	48.6	48.6	48.8	3.6	4.3	4.1	7.4	8.9	8.5
New Orleans	439.6	444.6	443.4	33.5	35.5	34.9	7.6	8.0	7.9
Shreveport	139.0	141.2	141.6	9.8	8.7	8.5	7.0	6.2	6.0
MAINE	468.3	476.1	482.6	37.8	44.0	38.7	8.1	9.2	8.0
Lewiston—Auburn	36.9	38.1	38.3	2.7	2.9	2.6	7.3	7.6	6.8
Portland	86.5	86.8	87.7	6.9	6.9	6.4	7.9	8.0	7.3
MARYLAND	1,900.7	1,900.4	1,921.1	121.1	107.7	101.9	6.4	5.7	5.3
Baltimore	964.1	959.9	968.9	72.6	65.1	62.4	7.5	6.8	6.4
MASSACHUSETTS	2,784.0	2,717.1	2,724.7	268.7	176.7	163.6	9.7	6.5	6.0
Boston	1,368.2	1,314.3	1,319.4	126.1	80.7	75.8	9.2	6.1	5.7
Brockton	75.1	75.7	75.2	7.9	5.7	5.2	10.5	7.6	7.0
Fall River ¹	74.5	74.4	74.1	6.8	5.6	4.7	9.2	7.5	6.4
Lawrence—Haverhill ¹	132.5	127.2	127.7	16.2	10.1	9.5	12.3	8.0	7.4
Lowell ¹	106.1	104.3	104.8	10.7	6.8	6.7	10.1	6.5	6.4
New Bedford	79.0	79.6	79.3	8.7	6.9	6.0	11.1	8.7	7.6
Springfield—Chicopee—Holyoke ¹	269.5	265.4	264.8	25.2	15.5	14.3	9.4	5.8	5.4
Worcester	191.5	189.6	187.7	18.2	10.3	9.4	9.5	5.4	5.0
MICHIGAN	4,004.1	4,017.5	4,076.1	356.9	301.6	267.3	8.9	7.5	6.6
Ann Arbor	126.3	130.6	130.2	10.1	7.2	6.9	8.0	5.5	5.3
Battle Creek	82.7	80.7	81.6	7.8	5.9	5.6	9.4	7.3	6.8
Bay City	51.7	50.6	51.6	4.9	3.6	3.6	9.4	7.1	7.0
Detroit	1,898.2	1,896.8	1,914.8	163.1	142.2	123.7	8.6	7.5	6.5
Flint	211.2	209.9	216.2	20.3	14.7	14.3	9.6	7.0	6.6

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P
MICHIGAN—Continued									
Grand Rapids	268.6	278.6	284.0	19.3	15.0	14.1	7.2	5.4	5.0
Jackson	66.4	64.8	65.1	6.7	5.4	4.4	10.1	8.3	6.8
Kalamazoo—Portage	126.8	129.1	129.5	9.1	7.4	6.6	7.2	5.7	5.1
Lansing—East Lansing	214.4	220.7	224.7	16.0	14.3	12.5	7.4	6.5	5.6
Muskegon—Norton Shores—Muskegon Heights	77.3	74.9	76.1	7.1	5.9	5.5	9.2	7.8	7.2
Saginaw	99.6	97.5	100.2	8.7	5.8	5.6	8.8	6.0	5.6
MINNESOTA									
Duluth—Superior	1,891.8	1,872.2	1,909.5	101.6	103.1	88.1	5.4	5.5	4.6
Minneapolis—St. Paul	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
.....	1,017.3	1,014.6	1,032.9	64.0	55.3	51.8	6.3	5.5	5.0
MISSISSIPPI									
.....	959.7	959.7	979.9	58.3	54.3	55.1	6.1	5.7	5.6
Jackson	133.8	138.0	138.2	6.6	6.3	6.4	4.9	4.6	4.6
MISSOURI									
.....	2,150.9	2,141.3	2,167.2	125.6	104.6	101.6	5.8	4.9	4.7
Kansas City ¹	605.5	598.4	604.2	34.9	30.1	29.6	5.8	5.0	4.9
St. Joseph	45.5	45.8	45.9	2.6	2.3	2.0	5.8	5.0	4.3
St. Louis ¹	1,044.6	1,028.7	1,036.0	73.1	59.6	57.5	7.0	5.8	5.5
Springfield	92.7	95.2	96.5	4.7	3.4	3.6	5.0	3.6	3.7
MONTANA									
.....	331.2	N.A.	N.A.	17.2	N.A.	N.A.	5.2	N.A.	N.A.
Billings	48.4	N.A.	N.A.	1.8	N.A.	N.A.	3.7	N.A.	N.A.
Great Falls	33.7	N.A.	N.A.	1.8	N.A.	N.A.	5.4	N.A.	N.A.
NEBRASKA									
.....	739.9	721.3	730.0	21.9	16.6	14.7	3.0	2.3	2.0
Lincoln	99.8	102.2	102.7	3.0	1.8	1.6	3.0	1.7	1.5
Omaha ¹	259.7	256.0	258.7	13.0	9.3	8.3	5.0	3.6	3.2
NEVADA									
.....	303.3	312.8	318.5	25.7	23.3	21.7	8.5	7.5	6.8
Las Vegas	164.3	170.7	173.4	15.2	14.1	13.2	9.3	8.3	7.6
Reno	83.7	86.9	88.6	5.3	4.9	4.5	6.4	5.7	5.1
NEW HAMPSHIRE									
.....	384.9	N.A.	N.A.	23.7	N.A.	N.A.	6.2	N.A.	N.A.
Manchester	63.8	N.A.	N.A.	4.2	N.A.	N.A.	6.6	N.A.	N.A.
NEW JERSEY									
.....	3,327.1	3,284.9	3,336.7	351.6	309.1	299.7	10.6	9.4	9.0
Atlantic City	76.3	76.0	79.9	9.1	9.0	8.8	11.9	11.9	11.0
Jersey City	262.6	247.4	251.4	37.4	33.0	32.4	14.2	13.3	12.9
Long Branch—Asbury Park	206.6	205.7	211.7	19.5	19.5	18.6	9.4	9.5	8.8
Newark	931.5	913.7	920.1	99.5	82.9	79.1	10.7	9.1	8.6
New Brunswick—Perth Amboy—Sayreville	288.0	281.9	285.7	29.9	24.1	23.4	10.4	8.6	8.2
Paterson—Clifton—Passaic	205.6	205.7	208.6	25.3	24.6	23.8	12.3	12.0	11.4
Trenton	153.8	151.1	152.6	11.6	10.2	9.8	7.5	6.7	6.4
Vineland—Millville—Bridgeton	55.9	54.9	55.9	6.9	6.2	6.3	12.4	11.2	11.3
NEW MEXICO									
.....	464.6	473.3	481.1	39.5	39.0	37.0	8.5	8.2	7.7
Albuquerque	171.7	175.1	178.4	15.6	15.2	14.7	9.1	8.7	8.2
NEW YORK									
.....	7,760.1	7,558.4	7,575.6	784.6	683.4	628.9	10.1	9.0	8.3
Albany—Schenectady—Troy	365.9	353.6	354.9	28.4	28.0	25.2	7.8	7.9	7.1
Binghamton ¹	131.5	131.1	132.7	8.8	10.1	9.1	6.7	7.7	6.9
Buffalo	571.8	554.0	558.3	62.4	46.6	43.9	10.9	8.4	7.9
Elmira	41.4	40.0	40.4	3.5	4.4	4.1	8.5	11.0	10.1
Nassau—Suffolk	1,125.4	1,105.0	1,107.6	110.1	86.9	78.4	9.8	7.9	7.1
New York	3,665.4	3,548.8	3,538.8	397.4	332.2	309.6	10.8	9.4	8.7
Poughkeepsie	99.3	96.8	97.2	6.1	5.7	5.2	6.2	5.9	5.4
Rochester	455.8	446.2	450.3	37.4	32.5	30.8	8.2	7.3	6.8
Syracuse	289.0	285.0	284.7	27.5	24.6	22.5	9.5	8.6	7.9
Utica—Rome	140.5	135.4	137.2	14.3	14.4	13.1	10.1	10.6	9.6
NORTH CAROLINA									
.....	2,546.7	2,493.0	2,575.7	146.1	135.6	129.1	5.7	5.4	5.0
Asheville	77.4	77.0	77.8	4.4	4.0	3.4	5.7	5.2	4.4
Charlotte—Gastonia	311.4	309.3	314.3	16.7	12.6	12.0	5.4	4.1	3.8
Greensboro—Winston-Salem—High Point	394.5	390.8	396.9	21.3	18.4	17.8	5.4	4.7	4.5
Raleigh—Durham	250.7	250.4	250.9	11.3	8.8	8.6	4.5	3.5	3.4
NORTH DAKOTA									
.....	290.4	289.8	303.7	8.8	12.5	10.2	3.0	4.3	3.4
Fargo—Moorhead ¹	65.9	66.2	68.0	1.8	2.1	1.8	2.7	3.2	2.6

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P
OHIO	4,758.8	4,735.9	4,796.1	354.5	293.5	283.6	7.4	6.2	5.9
Akron	294.0	290.0	293.3	24.3	19.3	18.1	8.3	6.7	6.2
Canton	175.7	174.7	177.4	15.4	12.2	12.2	8.8	7.0	6.9
Cincinnati ¹	584.8	586.6	593.9	46.7	41.4	41.0	8.0	7.1	6.9
Cleveland	893.6	887.5	894.8	59.0	50.7	49.0	6.6	5.7	5.5
Columbus	506.2	507.5	512.6	34.1	26.7	26.4	6.7	5.3	5.2
Dayton	364.3	365.4	368.0	23.2	18.7	18.1	6.4	5.1	4.9
Toledo ¹	351.4	355.8	360.7	25.6	23.7	22.6	7.3	6.7	6.3
Youngstown—Warren	235.8	230.3	232.7	21.6	15.9	15.3	9.2	6.9	6.6
OKLAHOMA	1,161.8	1,183.2	1,209.3	61.2	53.8	57.2	5.3	4.5	4.7
Oklahoma City	345.1	353.4	360.3	18.8	15.3	16.1	5.4	4.3	4.5
Tulsa	279.4	282.7	287.3	13.6	12.6	12.7	4.9	4.5	4.4
OREGON	1,067.3	1,078.9	1,090.5	98.6	95.7	91.0	9.2	8.9	8.3
Eugene—Springfield	111.5	114.2	116.8	10.9	10.6	10.2	9.8	9.3	8.7
Portland ¹	515.1	524.2	527.4	44.9	40.3	38.6	8.7	7.7	7.3
Salem	96.5	97.0	98.4	8.6	8.2	8.3	8.9	8.5	8.4
PENNSYLVANIA	5,147.4	5,074.4	5,097.5	383.3	348.5	324.3	7.4	6.9	6.4
Allentown—Bethlehem—Easton ¹	299.1	299.2	299.6	20.6	19.1	16.8	6.9	6.4	5.6
Altoona	56.6	57.7	57.9	3.8	3.5	3.0	6.6	6.1	5.2
Erie	125.7	121.2	121.7	11.8	8.2	7.4	9.4	6.7	6.0
Harrisburg	215.0	210.3	211.1	10.3	9.2	9.0	4.8	4.4	4.2
Johnstown	107.2	107.3	107.5	6.4	5.7	4.9	6.0	5.3	4.6
Lancaster	167.0	163.1	163.3	8.0	7.0	6.1	4.8	4.3	3.7
Northeast Pennsylvania	277.7	273.9	273.6	23.8	23.5	21.1	8.6	8.6	7.7
Philadelphia ¹	2,040.5	2,005.2	2,020.3	174.2	154.2	152.2	8.5	7.7	7.5
Pittsburgh	989.7	978.8	983.2	72.6	71.0	66.0	7.3	7.2	6.7
Reading	149.5	146.6	147.0	8.7	8.3	7.7	5.8	5.7	5.2
Williamsport	50.3	49.6	49.7	4.4	4.0	3.6	8.8	8.1	7.3
York	155.5	158.7	158.7	9.4	8.2	7.6	6.0	5.2	4.8
RHODE ISLAND	426.2	430.0	433.3	32.7	30.4	28.6	7.7	7.1	6.6
Providence—Warwick—Pawtucket ¹	430.0	435.9	438.6	33.2	30.3	28.6	7.7	7.0	6.5
SOUTH CAROLINA	1,271.1	1,260.5	1,274.6	86.2	65.4	63.8	6.8	5.2	5.0
Charleston—North Charleston	140.1	139.7	141.0	9.7	7.5	7.5	6.9	5.3	5.3
Columbia	159.9	162.1	162.5	9.7	7.3	7.1	6.1	4.5	4.3
Greenville—Spartanburg	249.0	245.8	246.7	15.0	11.1	10.7	6.0	4.5	4.3
SOUTH DAKOTA	321.8	321.5	328.5	10.0	9.8	8.9	3.1	3.1	2.7
Sioux Falls	55.3	54.2	54.7	1.5	1.4	1.3	2.7	2.5	2.3
TENNESSEE	1,838.6	1,852.5	1,876.9	104.3	95.6	88.7	5.7	5.2	4.7
Chattanooga ¹	175.5	177.6	180.0	8.3	8.8	8.4	4.7	5.0	4.7
Knoxville	193.1	189.9	196.3	10.1	8.2	7.8	5.2	4.3	4.0
Memphis ¹	356.7	359.7	362.0	22.1	17.8	17.7	6.2	5.0	4.9
Nashville—Davidson	350.2	370.8	372.4	19.1	14.0	13.5	5.5	3.8	3.6
TEXAS	5,552.3	5,621.0	5,685.6	308.7	273.5	274.2	5.6	4.9	4.8
Amarillo	81.6	82.2	83.5	2.9	2.4	2.6	3.5	2.9	3.1
Austin	192.9	196.9	198.4	8.6	7.0	7.2	4.4	3.6	3.6
Beaumont—Port Arthur—Orange	162.2	159.6	160.0	12.1	11.2	11.1	7.5	7.0	7.0
Corpus Christi	130.0	129.7	130.5	9.0	8.7	8.6	6.9	6.7	6.6
Dallas—Fort Worth	1,254.7	1,276.7	1,289.8	55.6	44.2	44.9	4.4	3.5	3.5
El Paso	159.7	159.6	161.1	15.1	18.6	18.5	9.5	11.7	11.5
Galveston—Texas City	84.9	87.6	89.1	5.8	5.4	5.5	6.8	6.1	6.2
Houston	1,142.9	1,210.8	1,227.4	58.8	57.2	59.2	5.1	4.7	4.8
Lubbock	93.7	96.5	97.1	3.7	3.0	2.8	4.0	3.1	2.9
San Antonio	384.1	382.3	385.5	29.5	26.3	25.7	7.7	6.9	6.7
Waco	73.7	74.1	74.8	4.1	3.4	3.1	5.6	4.6	4.1
Wichita Falls	56.4	57.2	58.2	2.3	2.0	2.1	4.1	3.6	3.7
UTAH	511.7	523.1	523.9	26.5	24.7	24.3	5.2	4.7	4.6
Salt Lake City—Ogden	338.7	347.8	347.8	17.9	16.0	15.8	5.3	4.6	4.5
VERMONT	214.3	215.0	217.6	18.9	17.3	15.7	8.8	8.0	7.2

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P	MAY. 1976	APR. 1977R	MAY. 1977P
VIRGINIA	2,310.6	2,345.9	2,373.4	127.7	133.7	127.8	5.5	5.7	5.4
Lynchburg	68.2	70.1	70.7	3.5	3.2	3.1	5.2	4.5	4.4
Newport News—Hampton	152.4	159.8	159.8	9.7	9.8	9.4	6.4	6.1	5.9
Norfolk—Virginia Beach—Portsmouth ¹	299.5	307.0	311.7	19.2	18.1	19.6	6.4	5.9	6.3
Richmond	297.5	309.7	312.4	13.2	13.5	13.8	4.4	4.4	4.4
Roanoke	107.7	110.5	110.5	6.1	6.4	6.3	5.7	5.8	5.7
WASHINGTON	1,599.4	1,604.2	1,630.4	130.6	120.8	113.0	8.2	7.5	6.9
Seattle—Everett	701.4	716.0	726.7	61.6	51.2	49.1	8.8	7.1	6.8
Spokane	129.5	128.4	128.4	8.6	8.9	7.7	6.6	6.9	6.0
Tacoma	157.8	156.2	157.5	14.2	12.5	11.5	9.0	8.0	7.3
WEST VIRGINIA	689.5	676.4	685.8	47.0	47.4	39.5	6.8	7.0	5.8
Charleston	111.6	107.5	108.1	5.5	5.7	4.2	4.9	5.3	3.9
Huntington—Ashland ¹	111.8	109.6	110.4	7.0	6.4	5.8	6.2	5.8	5.3
Parkersburg—Martinsburg ¹	64.3	61.8	64.1	6.4	3.8	3.4	10.0	6.2	5.3
Wheeling ¹	75.8	76.6	77.0	5.4	4.4	3.8	7.1	5.7	5.0
WISCONSIN	2,186.8	2,203.4	2,229.3	111.0	104.7	92.7	5.1	4.8	4.2
Appleton—Oshkosh	139.9	139.8	141.6	6.4	5.6	4.9	4.6	4.0	3.5
Green Bay	84.1	85.5	87.0	4.4	3.8	3.5	5.3	4.4	4.0
Kenosha	63.5	61.8	62.8	3.5	2.9	2.8	5.5	4.7	4.5
La Crosse	41.6	43.8	44.4	1.9	1.9	1.7	4.6	4.4	3.8
Madison	170.8	175.4	177.6	5.6	5.5	5.0	3.3	3.2	2.8
Milwaukee	690.0	681.9	687.4	42.3	35.6	33.4	6.1	5.2	4.9
Racine	87.9	89.3	90.5	4.8	3.8	3.6	5.5	4.2	4.0
WYOMING	178.1	180.8	189.2	6.4	6.8	6.1	3.6	3.7	3.2

¹ Includes Interstate portion of Area located in adjacent State(s).

NOTE: All data are subject to revision as new benchmark information becomes available. Estimates have been benchmarked to 1978 Current Population Survey annual averages. Data refer to place of residence.

p=preliminary,
r=revised
N.A.=not available.

SOURCE: Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161. When ordering please, specify "CETA Area Employment and Unemployment, January-April 1977 (NTISUB/C/143-77/006)", "States and County Employment and Unemployment January-April 1977" (NTISUB/C/144-77/006) or "Unemployment Rates for States and Local Governments, First Quarter, 1977" (PB267950). Tabulations are available at \$8.00 per set for printed copies of CETA Areas, \$13.75 for States and Counties, \$8.00 for States and Local Governments, or \$3.00 per set for microfiche copies of each publication.

Explanatory Notes

Introduction

Household Data (A tables)

Establishment Data (B, C, and D tables)

State and Area Unemployment Data (E table)

Unemployment Insurance Data (F tables)

Seasonal Adjustment

Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers,

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, household relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 47,000 households, representing 461 areas in 923 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably de-

rived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sampling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

Multiple jobholding. The household approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by em-

ployers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*. Reprints of this article may be obtained upon request.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they work on more than one farm during the

reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

County Business Patterns. Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, churches and most local government activities are not covered by unemployment insurance whereas these are included in BLS establishment statistics.

Household data

(A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics derived from the Current Population Survey*, BLS Report 463. This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calen-

dar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 47,000 occupied units are eligible for interview. About 2,000 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 47,000 occupied units, there are 8,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of

the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off, or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Re-entrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community

organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The unemployment rate represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published: The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who

normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," persons who worked between 1 and 34 hours are designated as working "part-time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for noneconomic reasons and usually work full time.

Full- and part-time labor force. The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Eskimos, Orientals, and all other non-white groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

Spanish origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Spanish origin or descent. According to the 1970 Census, approximately 96 percent of their population is white.

Major activity: going to school and major activity: *other* are terms used to describe whether the activity of young persons during the reference week are primarily one of going to school or not. Statistics on major activities are published every month in table A-7 for 16-21 year-olds by employment status, race,

sex, and, if unemployed, whether seeking full- or part-time work.

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and April 30, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

Poverty areas classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific job-seeking activity within the past 4 weeks, an exception to the latter condition is made for persons waiting to start a new job in 30 days or waiting to be recalled from layoff; in the past, the current availability test was not applied and the time period for jobseeking was ambiguous; (2) counting as employed persons who were absent from their jobs in the survey week because of strikes, bad weather, etc. and were also looking for other jobs; previously, these persons had been classified as unemployed; (3) sharpening the questions on hours of work, duration of unemployment, and self-employment in order to increase their reliability.

These changes did not affect the unemployment rate by more than one-fifth of a percentage point in either direction, although the distribution of unemployment by sex was affected. The number of employed was reduced about 1 million because of the exclusion of 14- and 15-year-olds. For persons 16 years and over, the only employment series appreciably affected were those relating to hours of work and class of worker. A detailed discussion of the changes and their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request.

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000; labor force, total employment, and

agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20-24 year-old males—particularly those of the black and other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Changes in occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. This review, the most comprehensive since the 1940 census, was to reduce the size of large groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop of 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presenta-

tion, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupation classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas and, within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample pro-

portions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries.

Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find

Table A. Average standard error of major employment status categories

(In thousands)

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force	205	150
Total employment	210	155
Agriculture	95	60
Nonagricultural employment	210	155
Unemployment	109	106
MALES		
Labor force	115	95
Total employment	125	100
Agriculture	85	55
Nonagricultural employment	130	105
Unemployment	81	89
FEMALES		
Labor force	140	110
Total employment	140	110
Agriculture	35	25
Nonagricultural employment	140	110
Unemployment	74	83

Table B. Standard error of level of monthly estimates

(In thousands)

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	—	90	—
10,000	115	—	115	—	115	—
20,000	150	—	125	—	125	—
30,000	170	—	—	—	—	—
40,000	180	—	—	—	—	—

the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total

Table C. Standard error of estimates of month-to-month change

[In thousands]

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage									
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50	
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3	
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1	
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1	
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2	
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3	
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6	
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3	
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0	
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7	
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4	
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3	
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3	

than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers)	.12	.14	OCCUPATION - Continued		
Males, 20 years and over	.14	.17	Blue-collar workers	.23	.28
Females, 20 years and over	.19	.24	Craft and kindred workers	.32	.39
Both sexes, 16-19 years	.56	.72	Operatives	.36	.46
White workers	.12	.15	Nonfarm laborers	.66	.84
Black (and other) workers	.43	.55	Service workers	.32	.40
Household heads	.12	.15	Farm workers	.43	.53
Married men	.13	.16	INDUSTRY		
Full-time workers	.12	.15	Nonagricultural private wage and salary workers	.14	.17
Part-time workers	.35	.44	Construction	.75	.95
Unemployed 15 weeks and over	.06	.07	Manufacturing	.27	.34
Labor force time lost	.12	.15	Durable goods	.36	.45
OCCUPATION			Nondurable goods	.43	.54
White-collar workers	.13	.15	Transportation and public utilities	.41	.52
Professional and technical	.20	.24	Wholesale and retail trade	.28	.35
Managers and administrators			Finance and service industries	.23	.29
except farm	.23	.28	Government wage and salary workers	.19	.24
Sales workers	.39	.48	Agricultural wage and salary workers	1.11	1.39
Clerical workers	.24	.30			

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in non-agricultural establishments, by industry and geographic location.

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

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State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability

and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for a few States and areas are classified in accordance with the 1967 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. Most States and areas have converted their series to the 1972 SICM.

Industry employment

Employment data, except those for the Federal Government refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and

trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the contract construction division: Working supervisors, qualified craft workers, mechanic's apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in the pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

Hours cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker, construction-worker, or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying

average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying causes, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the service industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours. The overtime hours represent the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Hours and earnings for total private nonagricultural industries. The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages, County Business Patterns* of the Bureau of the Census, and additional supporting information such as The Hospital Guide, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints are available upon request.

Railroad hours and earnings. The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by

the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings. Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The hour aggregates are the product of average weekly hours and production-worker or nonsupervisory worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing

industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December, 1974 issue of *Employment and Earnings*.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and rehired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

Separations are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, are defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the

"link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table F. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or nonsupervisory worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1974 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover nearly nine-tenths of the total nonagricultural employment in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions due to benchmark adjustment for the last 3 years is shown in table G.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings*, United States.

Table F. Summary of methods for computing industry statistics on employment, hours, and labor turnover

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all employee estimates for component cells.
Production or nonsupervisory workers, women employees	All employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers.	Average, weighted by production or nonsupervisory employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers.	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours.	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Annual average data		
All employees and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production or nonsupervisory worker employment multiplied by weekly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

Table G. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1971, 1973, and 1974

Industry division	1971	1973 ¹	1974
Total	100.2	98.4	99.9
Mining	99.8	96.5	97.0
Contract construction	96.9	90.4	100.6
Manufacturing	100.4	98.9	99.9
Transportation and public utilities	100.9	99.3	100.0
Wholesale and retail trade	100.3	97.8	100.1
Finance, insurance, and real estate	100.2	99.5	98.9
Services	100.4	99.1	99.3
Government	100.0	99.5	100.6

¹ 2-year revision.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the

average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small

establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table H shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown. Table I shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table H. Approximate size and coverage of BLS employment and payrolls sample, March 1974¹

Industry division	Number of establishments in samples	Employees	
		Number reported	Percent of total
Total	158,400	31,837,000	41
Mining	2,100	307,000	46
Contract construction	16,500	771,000	20
Manufacturing	47,000	11,821,000	59
Transportation and public utilities:			
Railroad transportation (ICC)	95	537,000	94
Other transportation and public utilities	7,300	2,181,000	53
Wholesale and retail trade	38,200	3,050,000	18
Finance, insurance, and real estate	10,100	1,507,000	36
Services	23,500	2,740,000	20
Government:			
Federal (Civil Service Commission) ²	3,200	2,691,000	100
State and local	10,400	6,032,000	52

¹ Since a few establishments do not report payroll and hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,200 reports covering about 53 percent of employment in Federal establishments.

Table I. Approximate size and coverage of BLS labor turnover sample, March 1974

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communications:		
Telephone	734,270	74
Telegraph	13,040	61

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. 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 (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table J and for individual industries with the specified number of employees in table K. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private	.1	0.1	0.2
Mining	1.2	.5	.5
Contract construction	1.2	.2	.3
Manufacturing	.3	.1	.1
Durable goods	.4	.1	.1
Nondurable goods	.3	.1	.1
Transportation and public utilities	.4	.7	.4
Trade	.3	.1	.2
Wholesale	1.0	.2	.3
Retail	.2	.2	.2
Finance, insurance, and real estate	.4	.2	.4
Services	.6	.4	.8
Government ³	.6	-	-

¹ Relative errors relate to March 1971 data.

² The average percent revision in employment for the 1967-71 and 1974 benchmarks.

³ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates

$$(RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}).$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table L presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

Table K. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000	1,900	0.9	1.5
100,000	2,700	.7	1.1
200,000	4,100	.5	.9
500,000	9,600	.4	.8
1,000,000	13,000	.3	.5
2,000,000	16,800	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000	600	600
100,000	800	700
200,000	1,400	1,200
500,000	3,300	3,200
1,000,000	4,200	4,200
2,000,000	6,500	6,300
10,000,000	27,000	23,000
Total nonagricultural employment	94,000	81,000
Mining	6,000	5,000
Contract construction	17,000	15,000
Manufacturing	35,000	33,000
Transportation and public utilities	14,000	12,000
Wholesale and retail trade	33,000	31,000
Finance, insurance, and real estate	6,000	6,000
Services	27,000	22,000
Government	45,000	39,000

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in

cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index.

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* includes corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current dollar estimate of gross product by the constant dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied housing,

and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate businesses.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis,

U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and area unemployment data

(E table)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates are prepared in several stages:

1. *Preliminary estimate—Employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—Unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates

for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late, or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the proportion of the working age population that is considered "youth". The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ Where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation, and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Adjustment for additivity.* Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the

mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. *Benchmark correction and extrapolation procedures.* Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages.

First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. All other series are adjusted following past procedures.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates,

the appropriate series are aggregated. The unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted series for major components of the labor force based on data through December 1976, new seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1977 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, production workers, hours, and earnings, are computed using the BLS Seasonal Factor Method. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing seasonally adjusted average weekly earnings by the seasonally adjusted Consumer Price Index. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and nondurable goods the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service.

Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the Census X-11 Method using the trading day option. As a result these series

are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through August 1976. Seasonal factors to be used for current adjustment appear in the December 1976 issue of *Employment and Earnings*.

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

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